HUPO

Human Proteome Organization
17th Annual World Congress

HUPO 2018

17th Annual World Congress of the Human Proteome Organization

September 30 to October 3, 2018

Loews Royal Pacific • Orlando, FL • USA

HPP Post-Congress Day, October 4

FINAL PROGRAM

HUPO

17th Human Proteome Organization World Congress
Orlando, Florida • September 30 - October 3, 2018
HPP Post-Congress Day, October 4

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The HUPO 17th Annual World Congress is co-sponsored by US HUPO and HUPO.

US HUPO
from genes to function

HUPO
Human Proteome Organization

WELCOME

Welcome to the 17th World Congress of the Human Proteome Organization (HUPO) in Orlando, Florida. We are honored to serve as your hosts for the 2018 HUPO meeting that we hope will excite, enlighten, intrigue, stimulate, motivate and encourage you.

Since the beginning of HUPO, we have all witnessed the evolution of proteomics, certainly the most interesting (and arguably the most challenging) field of biological research, which takes as its mission the study and understanding of all proteins, the machines of life, and strives to lead these discoveries towards One-Health, the integrated notion of wellbeing (the interface of nutrition, environment and humans). In the early years, our field focused primarily on developing the best technologies and chemistries to measure proteins. Its focus then evolved into a discipline establishing methods and standards that were robust and reproducible from laboratory to laboratory. Now, proteomics is everywhere, developing into routine tools in mainstream biology, that cover biology's depth and breadth, from agriculture to cancer and from specialty to high impact journals.

As we developed this program, we have sought to embrace two complementary notions. First, we view this annual gathering as our opportunity to update one another about the latest and most advanced findings in our field. To that end, we have identified 30 different sessions of the most exciting topics where proteomics is advancing our understanding. These sessions include invited speakers representing the most proficient cutting-edge leaders in our discipline, as well as speakers working on provocative projects selected from the submitted abstracts. The sessions cover a wide range of topics, including various diseases, technology advances, and novel scientific and analytical approaches. Our goal to establish a program of outstanding speakers who make it difficult for you to choose which talk to attend is a success. We are proud of the results and we hope you also leave with the same pride.

Second, we recognized that this was an opportune moment to begin to look beyond where proteomics is now, and think about where we should go in the future. We therefore reached outside our community and brought in brilliant scientists, working at exciting interfaces of biology not typically associated with HUPO, and whom we feel will stimulate new associations with proteomics. We want to hear about these new disciplines and begin the discussion about how proteomics could enhance them.

Of course, the most important part of this Congress is the interpersonal meetings in both formal and informal settings, to share the latest data, build new collaborations, discover new products and catch up with friends. To enhance this element, we selected this venue to provide everything under one roof – housing, meetings, posters and vendor booths. Please join us in the social activities, designed for having fun, including a visit to Universal Studios and a themed banquet.

Finally, it takes a village to plan such a meeting. We are deeply indebted to the many people who helped us plan this event, recommend and encourage new exciting speakers, reviewing abstracts, contacting vendors, managing logistics, attending numerous meetings and writing countless emails. We all thank them for their time and commitment.

As your hosts, we wish you a magical and productive 17th Annual HUPO congress.

HUPO 2018 CONGRESS CHAIRS

Joshua LaBaer
Biodesign Institute, University of Arizona

Ileana Cristea
Princeton University

Robert Moritz
Institute for Systems Biology

John Yates
The Scripps Research Institute

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Chelsea Prangnell, Association Manager

Amanda Oliveira, Association Coordinator

GENERAL INFORMATION

Welcome to the HUPO 17th Annual World Congress. All Congress activities (talks and posters) and exhibit booths are in the Loews Royal Pacific Hotel.

- **Plenary and Parallel Oral Sessions** are located in the Oceana Ballroom complex
- **Corporate Lunch Seminars and Events** may be found in the Exhibitor listing, pages 12 – 18.
- **Posters and Exhibit Booths** are in the Pacifica Ballroom.
- **Innovation Stage** is located in the Pacifica Ballroom with the exhibits and posters.
- **Registration** is open 8:00 am - 7:00 pm Sunday, 7:30 am - 5:00 pm Monday - Wednesday.

Free wifi is available look for signs at the congress with sign-in details.

Program Codes for talks are as follows:
M, T, W = Day
O = Oral
A, B, C, D, E = Session
Time
For example, MOA am 9:10 = Monday Oral Session A at 9:10 am.

For posters 'Poster' is followed by board space.

Speakers must load presentations **one day before** your talk in the Speaker Ready Room (Oceana 11). In the interest of preserving the time schedule and as a courtesy to other speakers, **no presentations may be loaded in the session rooms**. The Speaker Ready Room is open with a technician at these times:

Sunday, 1:00 - 6:00 pm
Monday - Tuesday, 8:00 am - 5:00 pm
Wednesday, 8:00 am - 2:00 pm

Poster Presenters must set up by 9:15 am Monday morning and remove posters at 10:30 am on Wednesday. All posters will be displayed Monday - Wednesday. **Refer to the poster numbers in this final program for board assignments.** Push pins are available at the Poster Supplies counter inside the Pacifica Ballroom.

All poster authors are encouraged to be present for the daily poster session 9:15 - 10:30 am and 3:50 - 5:00 pm according to this schedule:

- Odd-numbered boards present on Monday
- Even-numbered boards present on Tuesday
- All presenters on Wednesday morning.

Bioinformatics Hub will have programs Sunday through Wednesday noon in Pacifica Ballroom. For details visit *https://github.com/CompMS/Overview/wiki/HUPO-2018*

Opening Reception, Sunday, 7:15 - 9:00 pm is in the Pacific Ballroom. Congress name badge is required.

Luau Social Event, 6:30 - 8:30 pm, Tuesday. Advanced ticket purchase required. Tickets may be purchased at registration through 12:00 pm, Monday.

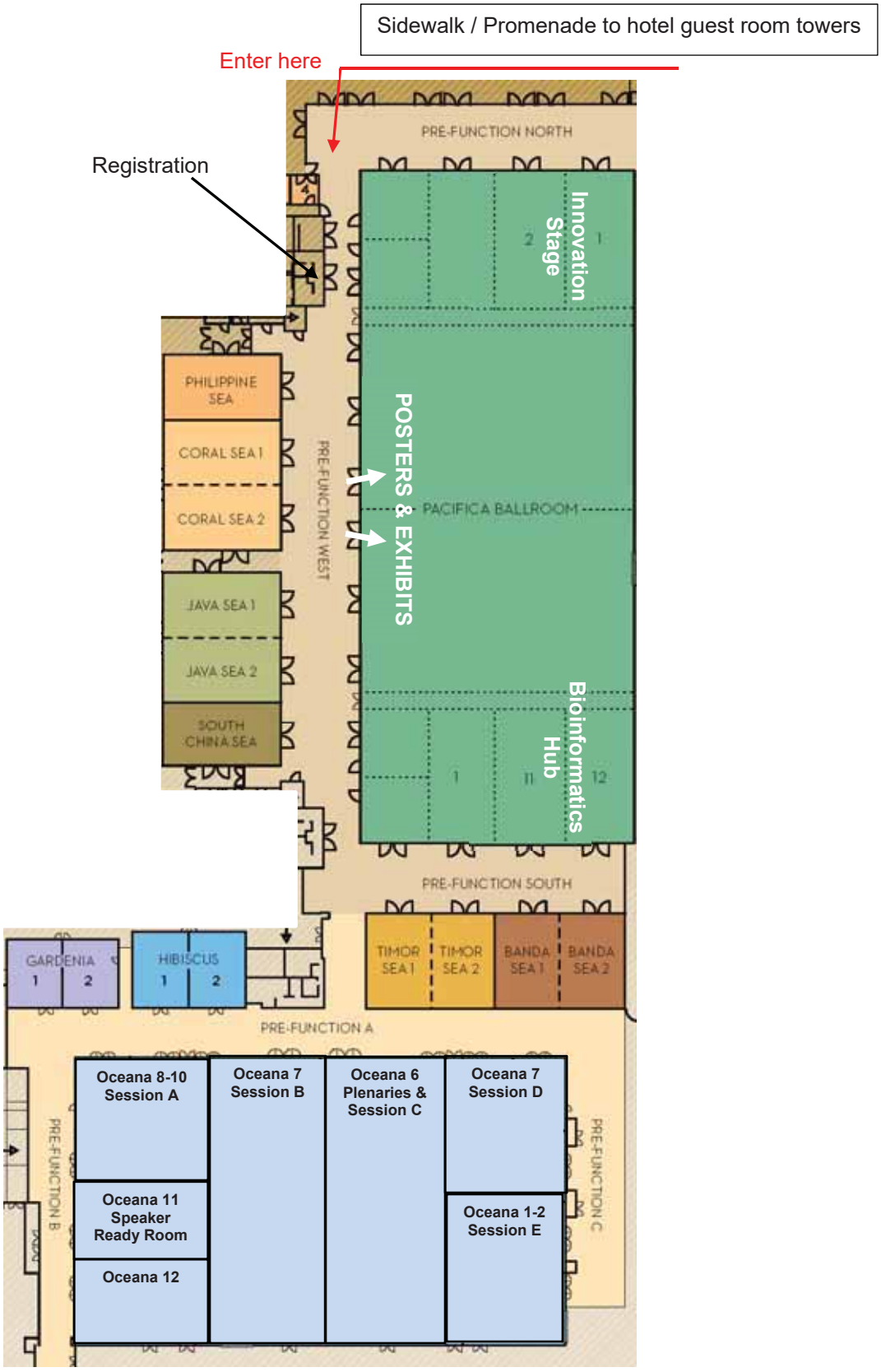
Halloween Horror @ Universal, 6:30 pm, Wednesday. Universal park is open for special Halloween Horror night on Wednesday. We have $60 tickets available for purchase at registration counter. Meet up 6:30 pm on Wednesday to go to the park as a group. Halloween Horror night will have 'frights' throughout the park with some special haunted house. Harry Potter attractions within Universal will be fully functional and are non-fright! Join us to blow off some post-congress steam.

Congress Regulations

- **Name badges** are required for all conference sessions, including the exhibit hall.
- **No smoking** is permitted inside the hotel.
- **Cell phones** must be **turned off** in oral sessions.
- **No photography or recording** in any session, including posters.
- **The placement of advertising** in the meeting area is prohibited.

Emergency Procedures/ First Aid, dial *111 on any house phone. Do not call 911, all emergencies must be go through the hotel.

LOEWS ROYAL PACIFIC MEETING SPACE MAP PLAN



HUPO AWARDS

DISTINGUISHED ACHIEVEMENT IN PROTEOMIC SCIENCES

Sponsored by Journal of Proteome Research (ACS Publications)

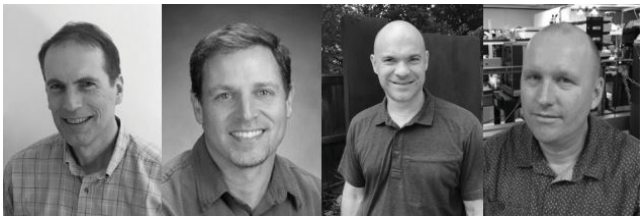
Kathryn Lilley
University of Cambridge, UK

Dr. Lilley provides leading efforts in developing technologies to enable the measurement of proteome dynamics in a high throughput manner in space and time during cellular processes. These include methods for defining dynamic protein and protein-complex sub-cellular location called “Localization of Organelle Proteins using Isotope Tagging” (LOPIT) and more recently, hyperLOPIT. Other methods developed by Dr. Lilley encompass mapping the location of translation of proteins and their control; Multi protein complexes with novel protein-protein interaction methods using Parallel Affinity Capture (iPAC); and Selective Proteomic Proximity Labeling using Tyramide (SPPLAT), a method that enables the identification of proteins in the immediate vicinity of a target membrane protein. These methods are underpinned by robust statistical and computational data analysis tools developed by Dr. Lilley in an open-source software environment. Applying these tools to model systems of drosophila, systematic analysis of how chemicals poison bacterial cells, and studying the RNA binding proteome, provide solid demonstrations of the methods developed by Dr. Lilley. Few proteomics researchers have contributed comprehensive methods to study proteomes as has Dr. Lilley, and we are proud of her distinguished achievements to date for the 2018 Distinguished achievement award.

SCIENCE AND TECHNOLOGY AWARD

Sponsored by HUPO Industrial Advisory Board

John Syka, Jae Schwartz, Lee Earley and Christopher Mullen
Thermo-Fisher Scientific



Drs. Syka, Schwartz, Earley and Mullen have all played a significant role in the development and commercialization of Electron Transfer Dissociation on state-of-the-art mass spectrometers from its early development at the U. Virginia by Dr. Coon and Dr. Hunt. ETD is a nonergodic type of dissociation that enables sequencing of labile post translational modifications on proteins and peptides. The ease of use of the commercial ETD device developed by the team at Thermo-Fisher has enable many researchers from around the world to access this technology in a technically simple device and straightforward application simultaneously, or concurrently, with standard CID fragmentation. ETD continues to play significant roles in advancement of research in the detection of post-translational modifications such as phosphorylation and glycosylation. Additionally, ETD is a crucial fragmentation technology that enables rich fragment and subsequent sequence information in Middle down and Top-down proteomics. This significant innovation in the proteomics field continues to have wide acceptance and also provides a springboard for proteomics technology to impact the field of translational clinical proteomics. The HUPO members applaud the efforts of the industrial team from Thermo-Fisher of Drs. Syka, Schwartz, Earley and Mullen resulting in readily available novel ETD fragmentation technology for the 2018 HUPO award in Science and Technology.

HUPO AWARDS

DISCOVERY IN PROTEOMIC SCIENCES

(shared by two recipients)

Sponsored by Journal of Proteomics (Elsevier BV)

Ulrike Kusebauch
Institute for Systems Biology, USA

Dr. Kusebauch, a native of Germany, has performed pioneering efforts for the establishment of the complete Human SRMAtlas. This achievement, led by Dr. Kusebauch and encompassing a large collaborative team from around the globe, provides a highly curated database of over 160,000 proteotypic peptide fragmentation spectra, their performance characteristics, selected reaction monitoring (SRM) assays, and a data-rich web based resource for the entire human proteome. This resource, generated on multiple mass spectrometry instruments, includes multiple fragmentation parameters and chromatographic traces for each peptide to enable any researcher to establish targeted identification and quantification of any accessible protein of the human proteome. This proteome-centric database is extensively integrated with bioinformatics knowledge bases and resources to provide an information rich resource for human proteome research. The SRMAtlas resource has extensive evidence of accessible assays for the human proteome covering proteins from all chromosomes with high quality quantitative SRM profiles to underpin HUPO HPP efforts in determining evidence for all proteins in the Human Proteome. This significant achievement provides a component of the MS Pillar substantiating the HPP efforts of HUPO and cuts across all other programs within HUPO (i.e., C-HPP, B/D-HPP etc.) making this resource also an achievement for HUPO. In addition, many biomarker evaluation projects worldwide have been accelerated with the use of this resource by providing readily available SRM assays, visual inspection of each assay, and assay parameter instrument files that are deployed in discovery and verification studies, ultimately fast tracking this process. She published this work in the journal Cell in 2016, and the SRMAtlas resource is freely available via the web. Dr. Kusebauch is a long-term HUPO member and active in proteomics for many years and these efforts by a young, talented female researcher being awarded is a demonstration of the talent in human proteome research that HUPO strives to support and recognize. The Human Proteome Organization congratulates Dr. Kusebauch, a worthy co-winner of the 2018 award for Discovery in Proteomics.

Joshua Coon
University of Wisconsin, USA

Dr. Coon has been at the forefront of discovery research and the tools he has created have gained wide use around the world. His research program is to facilitate, expedite, and comprehensively analyze proteins and metabolites by innovating new mass spectrometric technologies and apply these techniques to advance biomedical research. Dr. Coon has contributed heavily to aspects of proteomics and metabolomics research developing next generation instrumentation and instrument methods, proteomics workflows, novel isotopic labeling quantitative approaches, and associated software development that has influenced many labs around the globe. Specifically, these include; the development electron transfer dissociation (ETD), which is a complementary nature of ion fragmentation, where ETD provides new avenues for analyzing intact proteins, post-translational modifications, and structural aspects of the proteome. Dr. Coon started his independent program in 2005, shortly after co-developing ETD with Prof. Don Hunt (U. Virginia) and John Syka (Thermo-Fisher) and went on to apply the ETD technique to a number of biological questions with great success. Dr. Coon was also awarded the American Society for Mass Spectrometry's Biemann Medal in 2012 for this work. Other innovations supporting discovery research include: describing Parallel Reaction Monitoring (PRM), a method for a high resolution/accurate mass analyzer to permit the parallel detection of all target product ions in one, concerted high resolution mass analysis extending the specificity of SRM analysis; the GC-Orbitrap construction for identification of unknown metabolites from high-resolution, high mass accuracy discovery GC-MS experiments; novel proteome quantification methodology using metabolic labeling called NeuCode; and multi-omic data analysis and visualization to understand metabolism. We applaud the efforts of new HUPO member Dr. Coon, a well-deserved co-winner of the Discovery in Proteomics award for 2018.

HUPO AWARDS

CLINICAL AND TRANSLATIONAL PROTEOMICS (shared by two recipients)
Sponsored by Clinical Proteomics (BioMed Central)

Clinical Proteomics
BioMed Central

Bernd Bodenmiller
University of Zurich, Switzerland

Dr. Bernd Bodenmiller performs pioneering development work in Clinical and Translational Proteomics for single cell proteomic analyses, one of the transforming technologies in the emerging field of "Precision Medicine". Precision Medicine is one of the most disruptive and exciting developments in the field of clinical and translational proteomics and, in fact, in clinical research as a whole. Without innovative technologies to provide a sound experimental approach, Precision Medicine is just an empty term. Therefore, this new field of research necessitates approaches that enable a comprehensive analysis and visualization of the diseased tissue, ranging from molecules to networks and phenotypes, to cell-to cell interactions and to tissue morphology. Such analytical approaches will also support understanding of tissue biology, to define biomarkers and to identify novel routes of therapy. Dr. Bodenmiller and his group have pioneered the quantification of panels of proteins at the single cell level in cells in solution and in tissue based on mass cytometry, a technique that uses metals and inductively coupled plasma mass spectrometry to measure markers simultaneously with subcellular resolution. With the development of the most powerful targeted tissue imaging method in existence, called imaging mass cytometry (IMC), IMC currently enables to image 52 and soon >100 selected proteins, protein modifications and transcripts simultaneously with subcellular resolution in tissues. In other studies, the group of Dr. Bodenmiller showed how protein overexpression, a known driver of cancer initiation and progression, impacts single cell signaling networks. This work suggests why deregulation of the MAPK pathway renders it (unexpectedly) resistant to targeted inhibition. We applaud the efforts of Dr. Bodenmiller for his translational proteomic efforts to benefit human health, a well-deserved co-winner of the Clinical and Translational Proteomics award for 2018.

Peipei Ping
University of California Los Angeles, USA

Dr. Peipei Ping is an extraordinary scientist who has made seminal contributions in the field of Clinical and Translational proteomics science. Dr. Ping is currently a Professor in the Departments of Physiology, Medicine, and Bioinformatics at UCLA. She was the recipient of HUPO Distinguished Service Award in 2013. Dr. Ping is a visionary leader who has made a profound impact in both proteomics and cardiac physiology communities with her keen leadership and devotion. She is internationally recognized for her expertise and achievements in proteomics, mitochondrial proteome biology, systems biology, and data science. Dr. Ping has a highly innovative research program and her lab has pioneered several major advances that have shifted paradigms in mitochondrial and protein degradation research. Notably, Dr. Ping has devoted her past decades to translational research, which has advanced the field of cardiology, her major focus. With the development of techniques and data resources specifically to tackle clinical aspects of cardiology research, Dr. Ping has advance proteomics clinically in this translational field. Her work across many aspects of translational research has provided new critical mechanistic insights in cardiac hypertrophy, a clear advancement of the field of cardiology. We congratulate Dr. Ping for her outstanding achievements culminating in co-sharing the Clinical and Translational Proteomics award for 2018.

OTHER AWARDS

MCP MOLECULAR & CELLULAR PROTEOMICS

2018 Recipient of the MCP Lectureship: Carol V. Robinson

Molecular & Cellular Proteomics, an official publication of the American Society for Biochemistry and Molecular Biology, introduced its sponsored lectureship series as part of its 10th anniversary celebration in 2011. Each lecturer is a leader in the field of proteomics who presents his or her particular research and interests, with the intent to expand on proteomics' potential to ask (and answer) increasingly complex questions associated with health, energy, food supply and the environment. The lectureships are given at germane meetings and symposia throughout the year, and the lecturers are chosen by the organizers of those meetings. Each lecturer is presented with a crystal plaque to commemorate the occasion.

PASEF

The new Standard for Shotgun Proteomics

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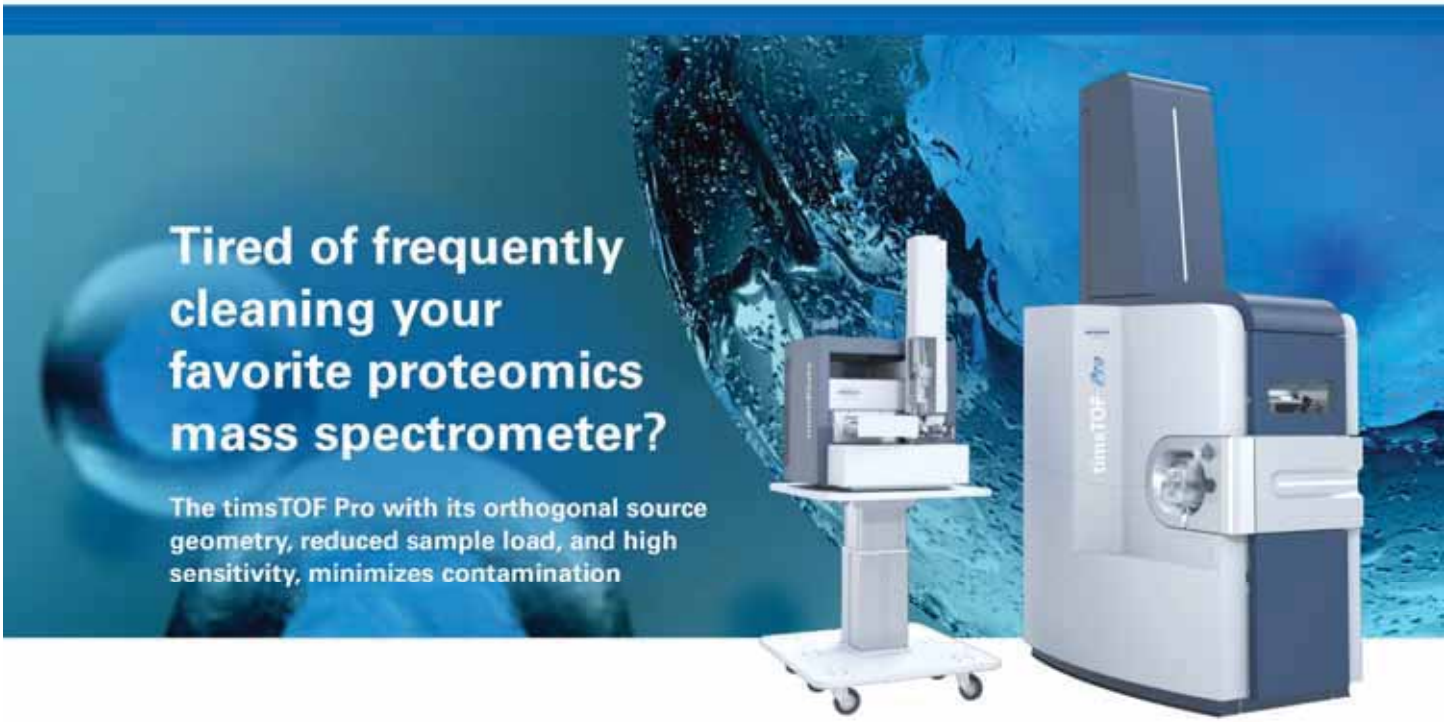

The timsTOF Pro with Parallel Accumulation Serial Fragmentation (PASEF) technology overcomes long-standing limitations in shotgun proteomics due to revolutionary improvements in scan speed, sensitivity and robustness. PASEF gives scientists the tool to dig deeper into the complex biology of the deep proteome.

- Robust and reproducible performance over large sample cohorts
- Unrivaled sensitivity for clinical proteomics research
- Deep protein PTM analysis for contextual and signaling cellular insight

Watch the video

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For more information please visit www.bruker.com/timstofpro

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The 2018 congress would not be possible without the support and partnership of these major sponsor companies. Thank you.

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EXHIBITORS

The generous support of exhibiting companies is appreciated.

Agilent	**Booth 301** Agilent Technologies is a worldwide provider of GC, LC, MS and Spectroscopy instruments, technologies, related consumables, support, services, and workflow solutions that enable labs to analyze, confirm and quantify substances of interest with confidence while maintaining the most stringent laboratory practices, from sample preparation to final report. **AGILENT MONDAY LUNCH SEMINAR**, 12:20 - 1:45 pm, *South China Sea Room* Pre-register online or at booth. **Agilent Innovations for Proteomics Research**; Christine Miller*, Omics Market Manager,* and Randy Bolger*, Workflow Solutions Manager* Join us for a two-part presentation on proteomics research. Our first presentation will describe proof-of-principle results demonstrating the value of combining metabolomics and proteomics analysis for better biological understanding. We will highlight the tools used in this approach. Our second presentation will discuss automation to improve sample preparation of complex proteomics samples while improving reproducibility and consistency across longitudinal studies.
BIOGNOSYS NEXT GENERATION PROTEOMICS	**Booth 407** Biognosys is dedicated to developing superior proteomics solutions and offers these solutions to researchers as products and services. These solutions rely on mass spectrometry with parallel data-independent acquisition (DIA), which allow simultaneous quantification of thousands of proteins in a single experiment. Our next generation technology provides multiplexed protein quantification with high precision and depth. **BIOGNOSYS-EVOSEP TUESDAY LUNCH SEMINAR**, 12:20 - 1:45 pm, *Banda Sea Room* Pre-register online or at booth. • **Robust Clinical Proteomics Workflow for Plasma and Cancer Tissue Analysis;** Matthias Mann, *Max Planck Institute for Biochemistry*; • **Clinical Proteomics for Biomarker Qualification in Fabry Disease**; Petra Oliva, *Sanofi Genzyme*
BSi	**Booth 302** BSI is well known for its PEAKS software suite and service platform for proteomics discovery and therapeutic protein characterization by LC-MS. The benchmark de novo sequencing capabilities offers advanced solutions for proteomic and therapeutic protein discovery as provided through peptide/protein identification & quantification, peptide mapping, PTMs and sequence variants.

EXHIBITORS

	**Booth 400** For more than 55 years, Bruker has enabled scientists to make breakthrough discoveries and develop new applications that improve the quality of human life. Bruker's high-performance scientific instruments and high-value analytical and diagnostic solutions enable scientists to explore life and materials at molecular, cellular and microscopic levels. **BRUKER EXCEED SUNDAY** (USER MEETING), 3:30-5:45 pm, *Timor Sea Room* Pre-register online. **BRUKER MONDAY LUNCH SEMINAR**, 12:20 – 1:45 pm, *Timor Sea Room* Pre-register online or at booth. ▪ **Introduction to the timsTOF Pro powered by PASEF**; Oliver Raether, *QTOF R&D Manager, Bruker Daltonik* ▪ **Data-independent Parallel Accumulation – Serial Fragmentation (diaPASEF) on the tims – TOF Pro**; Matthias Mann, *Max Planck Institute of Biochemistry* **BRUKER TUESDAY LUNCH SEMINAR**, 12:20 – 1:45 pm, *Timor Sea Room* Pre-register online or at booth. ▪ **Our time with PASEF on the timsTOF Pro**; Tharan Srikumar, *Princeton University* ▪ **Urine Biomarker Discovery by Proteomics and Peptidomics: Towards "All-in-One Urine Test"**; Tadashi Yamamoto, *Niigata University*
	**Booth 502** Cambridge Isotope Laboratories, Inc. (CIL) is the world leader in the manufacture of stable isotope-labeled compounds (^{13}C, D, ^{15}N, ^{17}O, ^{18}O) used for qualitative and quantitative, MS-based 'omics applications. Key innovative products include ProteusQC™ (for QC and quantitation), Mouse Express® mouse feed and mouse tissue, 99% enriched amino acids, SILAC and SILAM reagents, Fmoc protected amino acids and preloaded resins (for peptide synthesis), dimethyl labeling reagents, ^{18}O water (for enzymatic labeling), heavy-labeled proteins, INLIGHT™ (for glycan tagging), heavy labeled glycans, and PeptiQuant™ Plus MRM Assay Kits.
	**Tabletop** Placing an emphasis on the application of proteomic technology to all aspects of clinical research and molecular medicine, *Clinical Proteomics* provides a scholarly forum for novel scientific research across the broad spectrum of clinical and translational proteomics. The journal is committed to rapid scientific review and the timely publication of manuscripts.
	**Booth 606** Covaris is the recognized industry leader in NGS, utilizing its patented Adaptive Focused Acoustics® (AFA®) technology for DNA fragmentation. AFA-energetics™ is also used for a wide range of sample preparation applications including FFPE and cfDNA extraction, chromatin shearing, proteomics, epigenomics, cell lysis, and compound management.
	**Tabletop** *Journal of Proteomics* is published by Elsevier. Empowering Knowledge: Elsevier is a global information analytics business that helps institutions and professionals advance healthcare, open science and improve performance for the benefit of humanity.

EXHIBITORS

ESI Source Solutions	**Booth 406** ESI Source Solutions provides unique products for researchers using capillary chromatography and nanospray interfaces to mass spectrometers in the field of proteomics, metabolomics and others. Located in Woburn, MA, we offer products like the ABIRD and CPS designed to optimize your current systems to improve overall reliability and sensitivity.
EVOSEP	**Booth 503** Evosep aims to improve quality of life and patient care by radically innovating protein based clinical diagnostics. Making sample preparation and separation before MS analysis 10 times faster and 100 times more robust will enable truly large cohort studies for biomarker validation and provide the foundation for precision medicine. **EVOSEP-BIOGNOSYS TUESDAY LUNCH SEMINAR**, 12:20 - 1:45 pm, *Banda Sea Room.* Pre-register online or at booth. • **Robust Clinical Proteomics Workflow for Plasma and Cancer Tissue Analysis;** Matthias Mann, *Max Planck Institute for Biochemistry*; • **Clinical Proteomics for Biomarker Qualification in Fabry Disease**; Petra Oliva, *Sanofi Genzyme*
HUPO ADELAIDE AUSTRALIA 2019	**Booth 206** HUPO19 is on the other side of the world and hosted by the Australasian Proteomics Society in Adelaide. Come and meet some of the team at our stand and we will help you organise your participation next year.
intavis Bioanalytical Instruments	**Booth 306** INTAVIS Bioanalytical Instruments focuses on automation of complex scientific protocols. We concentrate on applications in proteomics, and functional genomics. The DigestPro MSi, is a dedicated platform for protein digestion and sample preparation in proteome research. It automates both in-gel and solution digest procedures for protein analysis by mass spectrometry.
Journal of proteome research	**Tabletop** *Journal of Proteome Research* publishes all aspects of global protein analysis and function, including the dynamic aspects of genomics, spatio-temporal proteomics, metabolomics, clinical and agricultural proteomics, and methodological advances including bioinformatics. The emphasis is on a multidisciplinary approach to the life sciences through the synergy between the various "omics".
jpt Innovative Peptide Solutions	**Booth 504** JPT is an ISO certified provider of innovative peptide products and services focusing on proteomics, novel immune therapeutics & diagnostics and protein profiling. JPT has a large portfolio of proprietary products such as SpikeMix™ Peptide Pools & SpikeTides™ that provide access to economical stable isotope labeled and/or quantified peptide standards.
KBSI KOREA BASIC SCIENCE INSTITUTE	**Booth 203** Korea Basic Science Institute (KBSI) performs a role as a national institute with the world-class basic research infrastructure leading the innovation of analytical platforms and equipments. Now, we are introducing an automated software platform (IQ-GPA) developed for identification and quantification of intact N- and O-linked glycopeptides from mass spectrometry data.
MATRIX SCIENCE	**Booth 307** Take the guesswork out of protein identification with Mascot Server, the benchmark for database search. Get closer to your raw data with Mascot Distiller, giving direct access to all popular files formats for peak picking, de novo sequencing, quantitation, and more.

EXHIBITORS

MCP MOLECULAR & CELLULAR PROTEOMICS	**Tabletop** The mission of *Molecular & Cellular Proteomics* is to foster the development and applications of proteomics in basic and translational research. MCP publishes studies reporting significant biological or clinical discoveries underpinned by proteomic observations across all kingdoms of life. MCP also emphasizes articles describing innovative computational methods and technological advancements that enable future discoveries.
METABOLON®	**Booth 201** Metabolon is the world's leading health technology company advancing metabolomics for precision medicine and every area of life sciences research. Our Precision Metabolomics™ is a powerful technology for assessing health and is delivering biomarker discoveries, innovative diagnostic tests, and ground-breaking data in genomics and population health initiatives.
Molecular Omics Editorial Board Chair Robert Moritz	**Booth 205** *Molecular Omics* is a new high quality journal for the –omics sciences, published by the Royal Society of Chemistry (a not-for-profit Publisher). It focuses on molecular level experimental and bioinformatics research in the –omics sciences. We especially welcome multidisciplinary papers that present studies combining different types of –omics, or the interface of –omics and other fields.
MRM Proteomics	**Booth 200** MRM Proteomics Inc. specializes in precision proteomics technology, with the mission of delivering the highest quality services and products. We offer services for protein quantitation, structural characterization, tissue imaging, metabolomics, and clinical diagnostics, plus a line of easy-to-use MRM-MS kits. We also offer unique custom-tailored solutions for specific research projects.
olink PROTEOMICS	**Booth 602** Olink Proteomics provides innovative solutions for targeted human protein biomarker discovery. Proseek® Multiplex enables rapid, high-throughput immunoassay analysis, exceptional data quality, and minimal sample consumption. Disease-focused panels allow simultaneous analysis of 92 biomarkers with 1 µl of sample, and are available as kits or via our Analysis Service.
PharmaFluidics	**Booth 507** PharmaFluidics is a disruptive player in the field of micro-Chip chromatography for biomarker discovery and the analytical development of biopharmaceuticals. Our expertise is the lithographic design and surface treatment of silicon wafers for the development of analytical chromatography columns (µPAC™) with a separation bed of highly ordered and free-standing pillars.
PREOMICS	**Booth 304** PreOmics is as a spin-off company from the proteomics research group of pioneer Matthias Mann at the Max-Planck Institute of Biochemistry. We at PreOmics develop and provide innovative technologies for mass spectrometry-based proteomics to make your research simply better. Our mission is to set the standard for MS-based protein analysis.
PBI Pressure BioSciences Inc.	**Booth 505** Pressure BioSciences, Inc. (OTCQB: PBIO) is a leader in the development and sale pressure-based platform solutions for the life sciences industry. Our products and services are based on the unique properties of our patented, pressure-enhanced platforms: Pressure Cycling Technology ("PCT") and Pressure Enabled Protein Manufacturing Technology ("PreEMT"). The PCT Platform is used in biomarker and target discovery, soil & plant biology, anti-bioterror, and forensics. The PreEMT Platform employs high pressure for the disaggregation and controlled refolding of proteins.

EXHIBITORS

prolab Instruments GmbH	**Booth 305** Swiss company Prolab Instruments has been perfecting Micro- and Nano-UHPLC technology for over 20 years. Their Zirconium UHPLC pumps sets offer highest precision gradient control, huge dynamic flow ranges, fast equilibration (meaning shortest cycle times), and a host of flexible system integration options, catering both OEM and end users. **PROLAB TUESDAY TALK @ INNOVATION STAGE,** 9:45 – 10:00 am
Proteome Software	**Booth 207** Proteome Software sets the standard with our intuitive, high-quality proteomics, metabolomics and small molecule analytic software. From customer-focused design and development to specific, clear technical support and documentation, our dedicated team strives to create a satisfying user experience. Researchers and core labs around the world rely on Proteome Software.
ReSyn Biosciences	**Booth 506** Resyn Biosciences. Advanced magnetic microsphere reagents and solutions for automation of routine mass spectrometry workflows, increasing reproducibility for improved data quality.
SCIEX	**Booth 500** SCIEX delivers advanced analytical technologies and software that contribute to the understanding and research of human disease. Innovative LC-MS, LC-MS/MS and CE solutions enable deeper analysis of complex biological systems by providing comprehensive quantitation and characterization required across proteomics, lipidomics and metabolomics — leading to advances in systems biology and biomarker discovery. **SCIEX MONDAY LUNCH SEMINAR**, 12:20 - 1:45 pm, *Coral Sea Room* Pre-register online or at booth. **Quantitative Proteomics Profiling – SWATH® Acquisition as a Tool for the Research and Service Core Lab** Yansheng Liu, *Yale University,* and Birgit Schilling, *Buck Institute for Research on Aging* **SCIEX INNOVATION SOCIAL HOUR**, 6:00 – 8:00 pm, *Coral Sea Room* Pre-register online or at booth. Reception, Alternative Fragmentation Technology for Proteomics Applications Presentation, and Interactive Poster Session, *Featuring Yves LeBlanc, SCIEX R&D* **SCIEX TUESDAY LUNCH SEMINAR**, 12:20 - 1:45 pm, *Coral Sea Room* Pre-register online or at booth. **The TripleTOF® System in the Lab – Practical Applications and Exciting Innovations**, *Featuring Christie Hunter, SCIEX*
SHIMADZU Excellence in Science	**Booth 300** Shimadzu is the leading provider of analytical measurement and testing instrumentation for a broad range of applications in science and industry. With the release of Shimadzu's LCMS-9030 Q-TOF and microflow HPLC, Mikros, along with automated Perfinity Workstation for proteomic workflows, Shimadzu brings unparalleled solutions for proteomic and systems biology research.

syn High Quality Peptide	**Booth 600** Synpeptide is the leading provider of custom peptide synthesis services and peptide modifications, especially for stable isotope labeled peptides, glycopeptides and glycated peptides, phosphorylated peptides, peptide libraries and so on. Pleased to be your partner.
ThermoFisher SCIENTIFIC	**Booth 401** Thermo Fisher Scientific is the world leader in serving science. Our mission is to enable our customers to make the world healthier, cleaner and safer. Through our Thermo Scientific and Invitrogen brands, we help customers accelerate innovation and enhance productivity. **THERMO MONDAY LUNCH SEMINAR,** 12:20 – 1:45 pm, *Java Sea Room* Pre-register online or at booth. **Latest Advances in Multiplexing Technology:** • Establishing a Roadmap for Brain-based Protein Biomarkers in Alzheimer's Disease; Nicholas Seyfried, *Emory School of Medicine* • Drug Effects on Protein Homeostasis; Marcus Bantscheff, *Cellzome, a GSK Company* **THERMO TUESDAY LUNCH SEMINAR,** 12:20 – 1:45 pm, *Java Sea Room* Pre-register online or at booth. **Precision Medicine:** Advancing Mass Spectrometry-based Large-cohort Proteomics for Precision Medicine – An International Cancer Moonshot Multi-site Study; Thomas Conrads, *Inova Schar Cancer Institute*; Yue Xuan, *Thermo Fisher Scientic* **THERMO WEDNESDAY LUNCH SEMINARS**, 12:20 – 1:45 pm, *Java Sea Room and South China Sea Room* Pre-register online or at booth. **MS Toolbox for Systems Biology:** Understanding Interactions in Membrane Proteins – New Opportunities for Drug Discovery; Carol Robinson, *University of Oxford* **MS Targeted Assays:** New Quantitative Proteomic Assays for Cancer Signaling Pathways Using Multiplex IP and Targeted Mass Spectrometry; Jonathan Krieger, *The Hospital for Sick Children*, and Bhavin Patel, *Thermo Fisher Scientific*
veritomyx Accuracy matters	**Booth 404** PeakInvestigator® software revolutionizes MS analyses, delivering unprecedented quality and revealing features hidden in your raw profile data from ion trap, TOF, Orbitrap or FTICR-based instruments. PeakInvestigator's advanced signal processing algorithms dynamically differentiate peaks from noise, increase spectral resolution (up to 5-6x), and provide statistical confidence intervals on every peak.

Waters
THE SCIENCE OF WHAT'S POSSIBLE.™

Booth 501
Waters Corporation creates business advantages for laboratory-dependent organizations by delivering scientific innovation to enable customers to make significant advancements. Waters helps customers make profound discoveries, optimize laboratory operations, deliver product performance, and ensure regulatory compliance with a connected portfolio of separations and analytical science, laboratory informatics, mass spectrometry, as well as thermal analysis.

WATERS CORP. TUESDAY ACTIVITIES
Q&A Session | Progenesis QI for Proteomics Users, 9:30-10:15 am, *South China Sea Room*
Pre-register online or at booth.
Come join fellow users of the latest version of Progenesis QI for proteomics to gain insight into how Progenesis can help you analyze proteins and characterize peptides. We'll discuss some of the new features in Progenesis Version 4.1 that help you identify the peptides and proteins of interest and learn more about the use of Spectral Libraries.

Lunch Seminar, 12:20 – 1:45 pm, *South China Sea Room*
Pre-register online or at booth.
Join us for lunch and see how Waters is addressing the challenges of throughput in clinical proteomic studies with precision and accuracy. SONAR™ on Waters bench top Xevo G2-XS® Qtof brings the speed and selectivity for accurate quantitative analysis of the plasma proteome. High throughput SONAR methods can be combined with quantitative kits such as the Biognosys PQ500™ for accurate absolute quantitation of human biological fluids.
In this lunch seminar we will discuss the multi-omic application of SONAR for a respiratory medicine study.

- **Introduction of Absolute Quantification of Plasma Samples Based on Biognosys' PQ500 Reference Peptides**
  Presented by: Dr. Roland Bruderer, Research and Development, Biognosys
- **Application of SONAR for enhanced throughput analysis with an exploratory targeted reagent strategy in clinical proteomics research**
  Presented by: Dr. Lee Gethings, Senior Manager Biomedical Research, Waters Corp.

Overview | Progenesis QI for Proteomics, 4:00 - 4:45 pm, *South China Sea Room*
Pre-register online or at booth.
We invite you to get a better understanding of the concepts behind Progenesis QI for proteomics, one of the world-leading proteomics data analysis applications.

- Learn how missing values affects your experiment
- Understand the benefits of Co-Detection and why it is beneficial
- See how Progenesis can investigate peptides
- Learn how to create your own Spectral Libraries

SUNDAY, SEPT 30

9:00 am - 3:30 pm, **HPP Investigators' Day** (separate registration required, lunch included)
9:00 am - 3:30 pm, **ECR Mentoring Day** (separate registration required, lunch included)
9:00 am - 5:45 pm, Bioinformatics Hub (FREE), *Pacifica 11-12*
3:00 – 5:00 pm, **Core Facilities Workshop** (FREE), *South China Sea Room*
3:45 – 5:45 pm, **HUPO Council Meeting** (by invitation), *Hibiscus Room*
- CONGRESS BEGINS -
6:00 – 7:15 pm, **Plenary Session**, Carol Robinson and Beth Anderson, *Oceana 6*
7:15 – 9:00 pm, **Welcome Reception with exhibitors**, *Pacifica*

MONDAY, OCT 1

8:30-9:15 am, **Plenary Session**, Stephen Quake, *Oceana 6*

9:15-10:30 am, **Poster Session**, Odd-numbers present, *Pacifica*

9:30 am - 5:00 pm, Bioinformatics Hub, *Pacifica*

10:30 am-12:20 pm, **Parallel Sessions**
- Affinity/Proximity (MOA am), *Oceana 8-10*
- Infectious Disease (MOB am), *Oceana 7*
- Cancer (MOC am), *Oceana 6*
- HPP: Partnering w-Pathology Toward Precision Medicine (MOD am), *Oceana 3-5*
- Statistics in Experimental Design (MOE am), *Oceana 1-2*

12:20-1:45 pm, **Corporate Lunch Seminars** (RSVP) or Lunch-on-your-own
- Agilent, *South China Sea*
- Bruker, *Timor Sea*
- SCIEX, *Coral Sea*
- Thermo, *Java Sea*

2:00-3:50 pm, **Parallel Sessions**
- Aging (MOA pm), *Oceana 8-10*
- Nutrition & Food (MOB pm), *Oceana 7*
- PTMs (MOC pm), *Oceana 6*
- HPP: Targeting the Proteome in Women's Health (MOD pm), *Oceana 3-5*
- Proteogenomics (MOE pm), *Oceana 1-2*

3:50-5:00 pm, **Poster Session**, Odd-numbers present, *Pacifica*

4:30-5:00 pm, **Ph.D. Poster Competition @ Innovation Stage**, *Pacifica*

5:00-5:45 pm, **Plenary Session**, Joel Dudley, *Pacifica*

TUESDAY, OCT 2

8:30-9:15 am, **Plenary Session**, Karolin Luger, *Oceana 6*

9:15-10:30 am, **Poster Session**, Even-numbers present, *Pacifica*

9:30 am - 5:00 pm, Bioinformatics Hub, *Pacifica*

10:30 am-12:20 pm, **Parallel Sessions**
- Systems Biology (TOA am), *Oceana 8-10*
- Immunology (TOB am), *Oceana 7*
- Structural Proteomics (TOC am), *Oceana 6*
- HPP: Metabolic Remodeling and Human Disease (TOD am), *Oceana 3-5*
- Rare Diseases (TOE am), *Oceana 1-2*

12:20-1:45 pm, **Corporate Lunch Seminars** (RSVP) or Lunch-on-your-own
- Biognosys-Evosep, *Banda Sea*
- Bruker, *Timor Sea*
- SCIEX, *Coral Sea*
- Thermo, *Java Sea*
- Waters Corp., *South China Sea*

2:00-3:50 pm, **Parallel Sessions**
- Cardiology (TOA pm), *Oceana 8-10*
- Computational Advances (TOB pm), *Oceana 7*
- New Technological Advances in Proteomics (TOC pm), *Oceana 6*
- HPP: Harnessing the Immune System to Fight Disease (TOD pm), *Oceana 3-5*
- Microbiome & Pathogen Infection (TOE pm), *Oceana 1-2*

3:50-5:00 pm, **Poster Session**, Odd-numbers present, *Pacifica*

5:00-5:30 pm, **HUPO General Assemby @ Innovation Stage**, *Pacifica*

6:30-8:30 pm, **LUAU Social Event**, Advance Purchase Ticket Req'd.

WEDNESDAY, OCT 3

8:30-9:15 am, **Plenary Session**, Mary Higby Schweitzer, *Oceana 6*

9:15-10:30 am, **Poster Session**, All posters present, *Pacifica*

9:30 am - 12:00 pm, Bioinformatics Hub, *Pacifica*

10:30 am-12:20 pm, **Parallel Sessions**
- Activity/Chemical Proteomics (WOA am), *Oceana 8-10*
- Biomarkers, non-cancer (WOB am), *Oceana 7*
- Single-Cell Proteomics (WOC am), *Oceana 6*
- HPP: Human Chemosensation (WOD am), *Oceana 3-5*
- Neurodegenerative Diseases (WOE am), *Oceana 1-2*

12:20-1:45 pm, **Corporate Lunch Seminars** (RSVP) or Lunch-on-your-own
- Thermo, *Java Sea and South China Sea*

2:00-3:50 pm, **Parallel Sessions**
- Drug Discovery (WOA pm), *Oceana 8-10*
- New Mass Spec Technologies (WOB pm), *Oceana 7*
- Metabolism (WOC pm), *Oceana 6*
- HPP: Unravelling Tissue Pathology through Cell Sampling(WOD pm), *Oceana 3-5*
- Personlalized Wellness (WOE pm), *Oceana 1-2*

4:00-5:00 pm, **HUPO Award Session**, *Oceana 6*

5:00-5:30 pm, **Plenary Session**, Matthias Mann, *Oceana 6*

6:30 pm, optional event (buy tix at Reg), Halloween Horror @ Universal

THURSDAY, OCT 4, 9:00 am – 3:30 pm, **HPP Post-Congress Day** (separate registration required, lunch included)

6:00 - 7:15 pm
SUNDAY PLENARY
Session Chairs: Joshua LaBaer
Oceana 6

6:00 - 6:30 pm
Carol V. Robinson
University of Oxford

MCP Lectureship Awardee

Understanding Critical Protein Lipid Interactions Through Mass Spectrometry

6:30 - 7:00 pm
Beth Anderson
Arkitek Scientific

Data Are Beautiful

7:15 - 9:00 pm
WELCOME RECEPTION
Pacifica Ballroom
Join your colleagues and friends for a welcome reception in the exhibit hall.

8:30 - 9:15 am Monday
MONDAY MORNING PLENARY
Session Chair: Joshua LaBaer
Oceana 6

8:30 – 9:00 am
Stephen Quake
Stanford University

Human Cell Atlas

Supported by

9:00 - 9:15 am, **Human Proteome Project (HPP) Update,** Gil Omenn and Mark Baker

9:15 – 10:30 am
POSTER SESSION
Pacifica
Odd-numbered posters present.

10:30 am - 12:20 pm Monday
AFFINITY, PROXIMITY, & SPATIAL PROTEOMICS
Session Chairs: Anne-Claude Gingras and Michael Washburn
Oceana 8-10

MOA am 10:30 **Capturing the RNA Binding Proteome in Time and Space**; Kathryn Lilley; *University of Cambridge, Cambridge, United Kingdom*

MOA am 10:50 **The *in silico* Human Surfaceome & Technologies for the Elucidation of the Surfaceome Nanoscale Organization**; Bernd Wollscheid; *ETH Zurich; Zurich, Switzerland*

MOA am 11:10 **Proximity Assays to Annotate Oncogenic Signaling-Associated Complexes: A Path towards Clinical Implementation**; Matthew Smith[1]; Brian Kelly[2]; Nathan Polaske[2]; Yuri Belosludstev[2]; Theresa Boyle[1]; Y. Ann Chen[1]; Eric Haura[1]; *[1]Moffitt Cancer Center, Tampa, Florida; [2]TRED, Roche Tissue Diagnostics, Tuscon, AZ*

MOA am 11:22 **Interactomic Analysis of VAV1, a Key Signaling Molecules of the TCR Signaling Pathway in Primary T Cells**; Guillaume Gaud[2]; Romain Roncagalli[3]; Karima Chaoui[1]; Céline Colacios[2]; Sahar Kassem[2]; Bernard Monsarrat[1]; Odile Burlet-Schiltz[1]; Anne Gonzalez De Peredo[1]; Bernard Malissen[3]; Abdelhadi Saoudi[2]; *[1]Institute of Pharmacology and Structural Biology, Toulouse, France; [2]Centre de Physiopathologie de Toulouse Purpan, Toulouse, France; [3]Centre d'Immunologie de Marseille-Luminy, Marseille, France*

MOA am 11:34 **Complex Complexes: Diversification of Sin3 HDAC Complexes via Protein Paralogs and Isoforms.**; Mark Adams[1]; Charles Banks[1]; Mihaela Sardiu[1]; Janet Thornton[1]; Cassandra Eubanks[1]; Md Sayem Miah[1]; Laurence Florens[1]; Michael Washburn[1, 2]; *[1]Stowers Institute for Medical Research, Kansas City, MO; [2]University of Kansas Medical Center, Kansas City, KS*

MOA am 11:46 **An Enhanced Proximity Biotinylation Method for Characterisation of Large Protein Complexes**; Vincent Geoghegan; *University of York, York, UK*

MOA am 11:58 **Antibodypedia – An Open Access Resource of Validated Antibodies**; Cristina Al-Khalili Szigyarto; Lukas Persson; Kalle von Feilitzen; Mathias Uhlen; *KTH-Royal Institute of Technology, Stockholm, Sweden*

10:30 am - 12:20 pm Monday
INFECTIOUS DISEASE
Session Chair: Doug Sheeley
Oceana 7

MOB am 10:30 **Antibiotic Resistance and Pathogenicity: Mechanistic Insights from the Interactome**; James Bruce; Xuefei Zhong; Juan Chavez; Jared Mohr; Andrew Keller; Martin Mathay; Devin Schweppe; Xia Wu; *University of Washington, Seattle, WA*

MOB am 10:50 **Peroxisome Maintenance En Route to Virus Replication: Integrated Proteomics, Lipidomics, Microscopy and Mathematical Modeling**; Ileana Cristea; *Princeton University, Princeton, NJ*

MOB am 11:10 **Remodeling of the Glyco-phenotype of T Cell Surface Proteins with Antisense RNA of Human Immunodeficiency Virus**; Weiming Yang[1]; Minghui Ao[1]; Fabio Romerio[2]; Hui Zhang[1]; *[1]Johns Hopkins University, Baltimore, MD; [2]University of Maryland, Baltimore, MD*

MOB am 11:22 **HBx: Hepatitis B Virus Swiss Army Knife Enabling Successful Infection**; Emanuela Milani[1]; Bingqian Qu[2]; Stephan Urban[2]; Bernd Wollscheid[1]; *[1]Dep. of Health Sciences and Technology, ETH Zürich, Zürich, Switzerland; [2]University Clinic Heidelberg, Heidelberg, Deutschland*

MOB am 11:34 **Proteolytic Events Regulate Virulence Processes of the Human Pathogen Salmonella as Shown by Quantitative Degradomics.**; Geremy Clair; Ryan Sontag; Joshua Hansen; Aaron Wright; Joshua Adkins; *Pacific Northwest National Laboratory, Richland, WA*

MOB am 11:46 **Systematic Identification of Mycobacterium Tuberculosis Effectors Reveals that BfrB Suppresses Innate Immunity**; Xiang He; Sheng-Ce Tao; *Shanghai Jiao Tong University, Shanghai, China*

10:30 am - 12:20 pm Monday
CANCER
Session Chairs: Yu-Ju Chen and Sudhir Srivastava
Oceana 6

MOC am 10:30 **Nickolas Papadopoulos**; *Johns Hopkins School of Medicine, Baltimore, MD*

MOC am 10:50 **The sTRA Glycan Is Complementary to CA19-9 as a Serological Biomarker of Pancreatic Cancer**; Ben Staal[1]; Daniel Barnett[1]; Zonglin He[2]; Ying Huang[2]; Katie Partyka[1]; Aatur Singhi[3]; Richard Drake[4]; Anirban Maitra[5]; Randall Brand[3]; Brian Haab[1]; *[1]Van Andel Research Institute, Grand Rapids, MI; [2]Fred Hutchinson Cancer Research Center, Seattle, WA; [3]University of Pittsburgh Medical Center, Pittsburgh, PA; [4]Medical University of South Carolina, Charleston, SC; [5]MD Anderson Cancer Center, Houston, TX*

MOC am 11:10 **A Proteomic Contexture of Exosomes Isolated from Viable Renal Cell Carcinoma Tissues, toward Development of Cancer Liquid Biopsy Diagnostics**; Atsushi Ikeda[1]; Kentaro Jingushi[2]; Naomi

Ohnishi[1]; Motohide Uemura[2]; Kazutake Tsujikawa[3]; Koji Ueda[1]; *[1]Japanese Found. for Can. Res., Koto-Ku, Japan; [2]Dep. Therap. Uro. Onco, Osaka Univ, Osaka, Japan; [3]Lab. Mol. Cell. Phys, Osaka Univ, Osaka, Japan*

MOC am 11:22 **Multi-omic Characterization of Pathway Abnormalities in High Grade Serous Ovarian Cancer**; Osama Arshad[1]; Jason McDermott[1]; Vladislav Petyuk[1]; Samuel Payne[1]; Marina Gritsenko[1]; Therese Clauss[1]; Ronald Moore[1]; Matthew Monroe[1]; Mathangi Thiagarajan[2]; Christopher Kinsinger[3]; Henry Rodriguez[3]; Richard Smith[1]; Tao Liu[1]; Karin Rodland[1]; *[1]Pacific Northwest National Laboratory, Richland, WA; [2]Frederick National Laboratory for Cancer Research, Frederick, MD; [3]National Cancer Institute, Bethesda, MD*

MOC am 11:34 **Proteogenomic Landscape of Medulloblastoma Subgroups**; Antoine Forget[1, 2]; Loredana Martignetti[3, 4]; Stephanie Puget[5]; Laurence Calzone[3, 4]; Sebastian Brabetz[6, 7]; Daniel Picard[8, 9]; Arnau Montagud[3, 4]; Stephane Liva[3, 4]; Alexandre Sta[3, 4]; Florent Dingli[10]; Guillaume Arras[10]; Jaime Rivera[10]; Damarys Loew[10]; Aurore Besnard[11]; Joëlle Lacombe[11]; Mélanie Pagès[11]; Pascale Varlet[11]; Christelle Dufour[12]; Hua Yu[1, 2]; Audrey Mercier[1, 2]; Sophie Leboucher[1, 13]; Laura Sieber[6, 7]; Kevin Beccaria[5]; Michael Gombert[9]; Frauke Meyer[8, 9]; Nan Qin[8, 9]; Jasmin Bartl[8, 9]; Lukas Chavez[6, 7]; Konstantin Okonechnikov[6, 7]; Tanvi Sharma[6, 7]; Venu Thatikonda[6, 7]; Franck Bourdeaut[14]; Celio Pouponnot[1, 2]; Vijay Ramaswamy[15]; Andrey Korshunov[16]; Arndt Borkhardt[9]; Guido Reifenberger[17]; Patrick Poullet[3, 4]; Michael D. Taylor[18]; Marcel Kool[6, 7]; Stefan M. Pfister[6, 7]; Daisuke Kawauchi[6, 7]; Emmanuel Barillot[3, 4]; Marc Remke[8, 9]; Olivier Ayrault[1, 2]; *[1]Institut Curie, PSL Research Univ, CNRS UMR, Orsay, France; [2]Université Paris Sud, Univ Paris-Saclay, Orsay, France; [3]Institut Curie, Paris, France; [4]Inserm, Paris, France; [5]Dept of Pediatric Neurosurgery, Necker Hosp., Paris, France; [6]Hopp Children´s Cancer Center at the NCT, Heidelberg, Germany; [7]Div of Pediatric Neurooncology-DKFZ-DKTK, Heidelberg, Germany; [8]Dept of Pediatric Neuro-Oncogenomics, DKTK, Dusseldorf, Germany; [9]Dept of Pediatric Oncology, DKTK, Dusseldorf, Germany; [10]Proteomics and Mass Spec Lab, Inst. Curie, Paris, France; [11]Dept of Neuropathology, Sainte-Anne Hospital, Paris, France; [12]Pediatric & Adolescent Oncol. Dpt, Gustave Roussy, Villejuif, France; [13]Institut Curie, Plateforme d'Histologie, Orsay, France; [14]PSL Univ., Institut Curie Research Center, SiRIC, Paris, France; [15]Div. of Haematology/Oncology, Sickkids Hosp., Toronto, Canada; [16]Clinical Cooperation Unit Neuropathology, DKFZ, Heidelberg, Germany; [17]Inst of Neuropathology, Medical Faculty DKTK, Dusseldorf, Germany; [18]Div of Neurosurgery, Sickkids Hospital, Toronto, Canada*

MOC am 11:46 **Proteomic-based Machine Learning Computational Analysis Discovered Biomarkers of Aberrant Vesicle-Exosomal Trafficking to Determine Chemotherapeutic Responses in the FFPE-Human Breast Cancer Sample**; Han Suk Ryu; Dohyun Han; Kyung-min Lee; Kwangsoo Kim; *Seoul National University Hospital, Seoul, South Korea*

MOC am 11:58 **Proteomics in PreCancer Atlas: an Evidence Based Biomarkers Discovery**; Sudhir Srivastava; *National Cancer Institute, NIH; Bethesda, MD*

10:30 am - 12:20 pm Monday
HPP: PARTNERING WITH PATHOLOGY TOWARDS PRECISION MEDICINE
Session Chairs: Daniel W. Chan and Ed Nice
Oceana 3-5

MOD am 10:30 **Can Proteomic Pathology Deliver Solutions for Unmet Clinical Needs?**; Stephen Pennington[1, 2]; *[1]UCD Conway Institute, School of Medicine, Dublin, Ireland; [2]University College Dublin, Ireland*

MOD am 10:50 **Adoption of Proteomics into Clinical Practice- Barriers and Opportunities**; Peter Stewart[1, 2]; *[1]Royal Prince Alfred and Liverpool Hospitals, Sydney, Australia; [2]University of Sydney, Australia*

MOD am 11:10 **Immuno-Proteomics of Colon Cancer**; Michael Roehrl; *MSKCC, New York, NY*

MOD am 11:22 **Comparison of Fractionated versus Unfractionated Plasma Lipoproteome in the Context of Vascular Contributions to Alzheimer's Disease**; Danni Li; *University of Minnesota, Minneapolis, MN*

MOD am 11:34 **Proteomics of Kidney Biopsy Tissue and Urine Liquid Biopsy towards Precision Medicine**; Tadashi Yamamoto[1, 2]; Keiko Yamamoto[1]; Bo Xu[1]; Amr Elguoshy[1]; Yoshitoshi Hirao[1]; *[1]Biofluid Biomarker Center, Niigata University, Niigata, Japan; [2]Shinrakuen Hospital, Niigata, Japan*

MOD am 11:46 **An Approach to Spatiotemporally Resolve Protein Interaction Networks in Living Cells**; Ruth Hüttenhain[1, 2]; Braden T. Lobingier[1]; Kelsie Eichel[1]; Alice Y. Ting[3]; Brian Shoichet[1]; Mark von Zastrow[1]; Nevan J. Krogan[1, 2]; *[1]UCSF, San Franciso, CA; [2]Gladstone Institutes, San Francisco, CA; [3]Stanford University, Stanford, CA*

MOD am 11:58 **Improved Survival Prognostication of Node-Positive Malignant Melanoma Patients – A Proteogenomics Study Guided by Histopathological**

Characterization; Lazaro Betancourt; Krzysztof Pawlowski; Jonatan Eriksson; Marcell Szasz; Shamik Mitra; Indira Pla Parada; Charlotte Welinder; Henrik Ekedahl; Per Broberg; Roger Appelqvist; Maria Yakovleva; Yutaka Sugihara; Kenichi Miharada; Christian Ingvar; Lotta Lundgre; Bo Baldetorp; Håkan Olsson; Melinda Rezeli; Elisabet Wieslander; Peter Horvatovich; Johan Malm; Göran Jönsson; György Marko-Varga; *Lund University, Lund, Sweden*

10:30 am - 12:20 pm Monday
STATISTICS IN EXPERIMENTAL DESIGN
Session Chairs: Olga Vitek and Pei Wang
Oceana 1-2

MOE am 10:30 **Experimental Design and Data-Analysis in Label-Free Quantitative MS-based Proteomics**; Lieven Clement; *Ghent University, Ghent, Belgium*

MOE am 10:50 **Components of Reproducible Quantitative Mass Spectrometry-Based Research: A Statistician's Perspective**; Olga Vitek; *Northeastern University, Boston, MA*

MOE am 11:10 **Empirical Peptide-Level Statistics Allow Robust and Sensitive Differential Expression Detection in MS-Proteomics Data**; Constantin Ammar; Gergely Csaba; Markus Gruber; Ralf Zimmer; *LMU Munich, Munich, Germany*

MOE am 11:22 **A Statistical Framework for Relative Quantification of Post-Translational Modifications in Global Proteomics Experiments**; Tsung-Heng Tsai[1]; Lilian Phu[2]; Yi Zeng[2]; Donald Kirkpatrick[2]; Erik Verschueren[2]; Olga Vitek[1]; *[1]Northeastern University, Boston, MA; [2]Genentech, Inc., South San Francisco, CA*

MOE am 11:34 **Bayesian Confidence Intervals for Multiplexed Proteomics Integrate Ion Statistics with Peptide Quantification Concordance**; Leonid Peshkin[2]; Meera Gupta[1]; Lillia Ryazanova[1]; Martin Wühr[1]; *[1]Princeton University, Princeton, NJ; [2]Harvard Medical School, Boston, MA*

MOE am 11:46 **MSstatsTMT: Statistical Detection of Differentially Abundant Proteins in Mass Spectrometry Experiments with Isobaric Labeling**; Ting Huang[1]; Meena Choi[1]; Manuel Tzouros[2]; Nikhil Pandya[2]; Balazs Banfai[2]; Tom Dunkley[2]; Olga Vitek[1]; *[1]Northeastern University, Boston, MA; [2]F. Hoffmann-La Roche Ltd, Basel, Switzerland*

MOE am 11:58 **Cancer Proteogenomics**; David Fenyö; *New York University School of Medicine, New York, NY*

12:20 – 1:45 pm Monday
CORPORATE LUNCH SEMINARS or Lunch-on-your-own

RSVP Required for Corporate Lunch Seminars.

Agilent

South China Sea Room

Agilent Innovations for Proteomics Research
Christine Miller, *Omics Market Manager*
Randy Bolger, *Workflow Solutions Manager*

BRUKER

Timor Sea Room

Introduction to the timsTOF Pro powered by PASEF
Oliver Raether, *QTOF R&D Manager, Bruker Daltonik*

Data-independent Parallel Accumulation – Serial Fragmentation (diaPASEF) on the tims – TOF Pro
Matthias Mann, *Max Planck Institute of Biochemistry*

SCIEX

Coral Sea Room

Quantitative Proteomics Profiling: SWATH® Acquisition as a Tool for the Research & Service Core Lab

Yansheng Liu, *Yale University*
Birgit Schilling, *Buck Institute for Research on Aging*

ThermoFisher SCIENTIFIC

Java Sea Room

Latest Advances in Multiplexing Technology:

- Establishing a Roadmap for Brain-based Protein Biomarkers in Alzheimer's Disease; Nicholas Seyfried, *Emory School of Medicine*
- Drug Effects on Protein Homeostasis; Marcus Bantscheff, *Cellzome, a GSK Company*

2:00 - 3:50 pm Monday
AGING
Session Chairs: Birgit Schilling and Paola Sebastiani
Oceana 8-10

MOA pm 2:00 **Proteomics Analysis of Skeletal Muscle in Healthy Human**; Ceereena Ubaida-Mohien; Alexey Lyashkov; Ravi Tharakan; Marta Gonzalez-Freire; Michelle Shardell; Ruin Moaddel; Chee Chia; Luigi Ferrucci; *National Institute on Aging, Baltimore, MD*

MOA pm 2:20 **May Mitochondrial Dysfunction Predispose for Cancer?**; Christopher Gerner; *University of Vienna*

MOA pm 2:40 **Mouse and human models of longevity indicate altered response to Diet Induced Free Radical Damage**; Nadia Ashrafi[1, 2]; Wendy E. Heywood[1]; Marie-Stéphanie Clerget-Froidevaux[2]; Barbara Demeneix[2]; Diana van Heemst[3]; Raymond Noordam[3]; Kevin Mills[1]; *[1]University College London, London, United Kingdom; [2]Evolution of Endocrine Regulations, Paris, France; [3]Leiden University Medical Center, Leiden, Netherland*

MOA pm 2:52 **Representation of Neonatal and Paediatric Proteins in Current Plasma Proteome Databases**; Conor McCafferty[1]; Jochen M. Schwenk[2]; Vera Ignjatovic[1, 3]; *[1]Murdoch Children's Research Institute, Parkville, Australia; [2]KTH Royal Institute of Technology, Stockholm, Sweden; [3]The University of Melbourne, Parkville, Australia*

MOA pm 3:04 **Identification and Quantification of Biomarkers for Senescent Cells Using Mass Spectrometry**; Nathan Basisty; Abhijit Kale; Herbert Kasler; Eric Verdin; Judith Campisi; Birgit Schilling; *The Buck Institute for Research on Aging, Novato, CA*

MOA pm 3:16 **Establishing a Roadmap for Brain-based Protein Biomarkers in Alzheimer's Disease**; Maotian Zhou; Duc Duong; Lingyan Ping; Eric Dammer; Marla Gearing; James Lah; Allan Levey; Nicholas Seyfried; *Emory School of Medicine, Atlanta, GA*

MOA pm 3:28 **Investigating the Relationship between Protein Glycation and Stability in Cells and Tissues**; Simone Di Sanzo; Joanna Kirkpatrick; Nicolas Huber; Alessandro Ori; *Leibniz Institute on Aging, Jena, Germany*

2:00 - 3:50 pm Monday
NUTRITION AND FOOD
Session Chairs: Subhra Chakraborty and Paola Roncada
Oceana 7

MOB pm 2:00 **MPK4 Interacting Proteins in Crop Immunity Response**; Sixue Chen; *University of Florida, Gainesville, FL*

MOB pm 2:20 **Omics Approaches to Uncover Tolerant Mechanism in Soybean at the Initial Flooding Stress**; Setsuko Komatsu; *Fukui University of Technology, Fukui, Japan*

MOB pm 2:40 **Nutraceuticals, Deciphering Mechanism of Actions of Novel Bioactive Compounds by Thermal Proteome Profiling**; Ana M Carrasco del Amor[1]; Olatz Fresnedo[2]; Siegfried Ussar[4]; Ralph Urbatzka[3]; Susana Cristobal[1]; *[1]Linköping University, Linköping, Sweden; [2]University of the Basque Country, Leioa, ES; [3]CIIMAR - Interdisciplinary Center of Marine and En, Porto , PT; [4]Hemholtz Center Munich, Munich, DE*

MOB pm 2:52 **Single Shot DIA Profiling of >1500 Plasma Proteomes of the Weight Loss and Maintenance Study DiOGenes**; Roland Bruderer[1]; Jan Muntel[1]; Sebastian Müller[1]; Oliver M. Bernhardt[1]; Tejas Gandhi[1]; Polina Mironova[2]; Ondine Walter[2]; Jérôme Carayol[2]; Arne Astrup[3]; Wim H.M. Saris[4]; Jörg Hager[2]; Armand Valsesia[2]; Loic Dayon[2]; Lukas Reiter[1]; *[1]Biognosys AG, Schlieren, Switzerland; [2]Nestle, Lausanne, Switzerland; [3]University of Copenhagen, Copenhagen, Denmark; [4]University of Maastricht, Maastricht, Netherlands*

MOB pm 3:04 **Comparative Proteomics of Low Oxalate Tomatoes during Post-harvest Storage**; Sudip Ghosh; Kanika Narula; Pooja Aggarwal; Niranjan Chakraborty; Subhra Chakraborty; *National Institute of Plant Genome Research, New Delhi, India*

MOB pm 3:16 **Identification of Functional Peptides with Tolerogenic Potential in a Partially Hydrolysed Infant Formula**; Joost Gouw[1]; Juandy Jo[2, 3]; Laura Meulenbroek[1, 3]; Sam Heijjer[1, 3]; Erica Kremer[1]; Elena Sandalova[2, 3]; André Knulst[4]; Sergio Oliviera[1]; Jan Knol[1, 5]; Johan Garssen[1, 3]; Anneke Rijnierse[1]; Léon Knippels[1, 3]; *[1]Danone Nutricia Research, Utrecht, Netherlands; [2]Danone Nutricia Research, Singapore; [3]UIPS, Utrecht, Netherlands; [4]Department of Dermatology and Allergology, Utrecht, Netherlands; [5]Laboratory of Microbiology, Wageningen, Netherlands*

MOB pm 3:28 **Culture Independent Label Free Metho for Milk Metaproteome and Resistome Analysis**; Cristian Piras[1]; Alessio Soggiu[1]; Viviana Greco[2]; Luigi Bonizzi[1]; Alfonso Zecconi[1]; Andrea Urbani[3]; Claudia Gusmara[1]; Domenico Britti[4]; Paola

Roncada[4]; [1]*DIMEVET - University of Milan, Milano, Italy;* [2]*Fondazione Santa Lucia, Rome, italy;* [3]*Catholic University of Sacred Heart, Rome, Italy;* [4]*Università Magna Græcia, Catanzaro, Italy*

2:00 - 3:50 pm Monday
POSTTRANSLATIONAL MODIFICATIONS (PTMs)
Session Chair: Karolin Luger and Yingming Zhao
Oceana 6

MOC pm 2:00 **Quantitative Proteomics for Understanding Cancer Epigenetics**; Benjamin Garcia; *University of Pennsylvania School of Medicine, Philadelphia, PA*

MOC pm 2:20 **Linear Ubiquitin Control Identified by Positional Proteomics Leading to Discovery of a Molecular Corrector to Rescue NFkB Activation in Immunodeficiency**; Christopher Overall; *University of British Columbia, Vancouver, BC*

MOC pm 2:40 **Lysine Benzoylation Is a New Type of Histone Mark Regulated by SIRT2**; He Huang; Di Zhang; Mathew Perez-Neut; Yingming Zhao; *The University of Chicago, Chicago, IL*

MOC pm 2:52 **Reanalysis of Global Proteomic and Phosphoproteomic Data Identified a Large Number of Glycopeptides**; Yingwei Hu; Punit Shah; David J. Clark; Minghui Ao; Hui Zhang; *Johns Hopkins University, Baltimore, Maryland*

MOC pm 3:04 **Phosphoproteomic Landscapes of Cancer Cell Lines Predict Drug Response**; Martin Frejno[1]; Benjamin Ruprecht[1, 2]; Chen Meng[1]; Alexander Hogrebe[1, 3]; Jana Zecha[1, 4]; Dominic Helm[1, 5]; Thomas Oellerich[6, 7]; Sebastian Scheich[7]; Hans-Michael Kvasnicka[7]; Enken Drecoll[1]; Wilko Weichert[1]; Bernhard Kuster[1, 8]; [1]*Technical University of Munich, Freising, Germany;* [2]*Merck & Co., Boston, MA;* [3]*University of Copenhagen, Copenhagen, Denmark;* [4]*German Cancer Consortium (DKTK), Munich, Germany;* [5]*EMBL, Heidelberg, Germany;* [6]*Cambridge University, Cambridge, United Kingdom;* [7]*Goethe University, Frankfurt, Germany;* [8]*Center for Integrated Protein Science (CIPSM), Munich, Germany*

MOC pm 3:16 **A Tandem Affinity Enrichment Method Identifies MacroH2A1 as a BRCA1/BARD1 E3 Ligase Substrate**; Beom-Jun Kim[1]; Doug Chan[1]; Sung Jung[1]; Yue Chen[1]; Jun Qin[1, 2]; Yi Wang[1, 2]; [1]*Baylor College of Medicine, Houston, TX;* [2]*National Center for Protein Sciences, Beijing, China*

MOC pm 3:28 **Temporal-Spatial Orchestration of Protein Acetylation In Antiviral Response and Immunity**; Laura Murray; Xinlei Sheng; Ileana Cristea; *Princeton University, Princeton, NJ*

2:00 - 3:50 pm Monday
HPP: TARGETING THE PROTEOME IN WOMEN'S HEALTH
Session Chair: Jennifer Van Eyk
Oceana 3-5

MOD pm 2:00 **Tony Whetton**; *University of Manchester, Manchester, UK*

MOD pm 2:30 **Nur Yucer**; *Cedars Sinai Medical Center, Los Angeles, CA*

MOD pm 3:00 **Location Is Everything: Protein Translocation as a Virus Replication Strategy**; Katelyn C Cook; Pierre M Jean Beltran; Michelle A Kennedy; Ileana M Cristea; *Princeton University, Princeton, NJ*

MOD pm 3:15 **Improvement of Detection Sensitivity of nLC-MS towards the Single-Cell Proteomics in the Era of Precision Medicine**; Qing Kay Li[1]; Chuanzi Ouyang[2]; Hui Zhang[2]; [1]*Johns Hopkins Hospitals, Baltimore, <Not Specified>;* [2]*Johns Hopkins University, Baltimore, Maryland*

MOD pm 3:30 **Evaluating Mitra® Microsampling Devices for Remote Monitoring of Apolipoproteins in Patients at Risk for Cardiac Events**; Kelly Mouapi[1, 2]; Irene van den Broek[1, 2]; Mitra Mastali[1, 2]; Qin Fu[1, 2]; Garth Fuller[4]; Sandy Young[1, 3]; Shivani Dhawan[1, 3]; Mayra Lopez[4]; Chrisandra Shufelt[1, 3]; Brennan Spiegel[4]; Noel Bairey Merz[1, 3]; Jennifer Van Eyk[1, 2]; [1]*Smidt Heart Institute, Cedars-Sinai Medical Center, Los Angeles, CA;* [2]*Advanced Clinical Biosystems Research Institute, Los Angeles, CA;* [3]*Barbra Streisand Women's Heart Center, Smidt Heart, Los Angeles, CA;* [4]*Cedars-Sinai Center for Outcomes Research(CS-CORE), Los Angeles, CA*

2:00 - 3:50 pm Monday
PROTEOGENOMICS
Session Chair: Henry Rodriguez
Oceana 1-2

MOE pm 2:00 **Antibiotics Discovery: From Peptidogenomics to Genome Mining to Spectral Networks**; Pavel A. Pevzner; *University of California, San Diego, San Diego, CA*

MOE pm 2:20 **Karin Rodland**; *Pacific Northwest National Laboratory, Richland, WA*

MOE pm 2:40 **Impact of Alternative Splicing on Proteoisoforms and Epigenetic Regulation during T cell Stimulation**; Laura Agosto[1, 2]; Michael J. Mallory[1]; Simone Sidoli[1, 2]; Amber K. Weiner[1, 2]; Kristen W. Lynch[1]; Benjamin A. Garcia[1, 2]; [1]*University of Pennsylvania School of Medicine, Philadelphia, PA;* [2]*Penn Epigenetics Institute, Philadelphia, PA*

MOE pm 2:52 **Proteogenomic Subtypes of Squamous Cell Lung Cancer**; Paul Stewart; Eric Welsh; Robbert Slebos; Bin Fang; Victoria Izumi; Matthew Chambers; Guolin Zhang; Ling Cen; Fredrik Pettersson; Yonghong Zhang; Zhihua Chen; Chia-Ho Cheng; Katherine Fellows; Jewel Francis; Tania Mesa; Chaomei Zhang; Sean Yoder; Gina DeNicola; Amer Beg; Theresa Boyle; Jamie Teer; Ann Chen; John Koomen; Steven Eschrich; Eric Haura; *Moffitt Cancer Center, Tampa, FL*

MOE pm 3:04 **Proteogenomics Discovery of Human Coding Regions and Cancer Neoantigens**; Janne Lehtiö[1, 2]; Yafeng Zhu[1]; Husen Umer[1]; Rui Branca[1]; *[1]Karolinska Institutet, Stockholm, Sweden; [2]SciLifeLab, Stockholm, Sweden*

MOE pm 3:16 **Proteogenomic Integration for Systematic Identification and Prioritization of Tumor Neoantigens**; Bo Wen; Yun Zhang; Noel Namai; Yongchao Dou; Bing Zhang; *Baylor College of Medicine, Houston, TX*

MOE pm 3:28 **The Proteome Data Commons in the Context of the NCI Cancer Research Data Commons**; Christopher R Kinsinger[1]; Izumi Hinkson[1]; Ratna R Thangudu[2]; Michael Holck[2]; Deepak Singhal[2]; Karen Ketchum[2]; Paul A Rudnick[3]; Nathan J Edwards[4]; Michael J MacCoss[5]; Anand Basu[2]; *[1]National Cancer Institute, Bethesda, Maryland; [2]ESAC, Rockville, MD; [3]Spectragen-Informatics, Bainbridge Island, WA; [4]Georgetown University Medical Center, Washington, DC; [5]University of Washington Genome Sciences, Seattle, WA*

3:50 – 5:00 pm
POSTER SESSION
Pacifica
Odd-numbers present.

Don't miss the Ph.D. Poster Competition Finalists on the Innovation Stage, 4:30-5:00 pm

5:00 - 5:45 pm Monday
MONDAY AFTERNOON PLENARY
Session Chair: Joshua LaBaer
Oceana 6

Joel Dudley
Mount Sinai Medical Center

Big Data

8:30 - 9:15 pm Tuesday
TUESDAY MORNING PLENARY
Session Chair: Robert Moritz
Oceana 6

8:30 - 9:00 am
Karolin Luger
Howard Hughes Medical Institute and University of Colorado at Boulder

Off to the Races – Quantitating the Recruitment of Proteins to Sites of DNA Damage

9:00 - 9:15 am, **Special International Initiatives Update,** Fuchu He

9:15 - 10:30 am
POSTER SESSION
Pacifica
Even-numbers present.

Don't miss the ProLabs Instruments presentation on the Innovation Stage, 9:45 - 10:00 am.

10:30 am - 12:20 pm Tuesday
SYSTEMS BIOLOGY
Session Chair: Robert Moritz
Oceana 8-10

TOA am 10:30 **Pathology from the Molecular Scale on Up**; Garry P. Nolan; *Stanford University School of Medicine, Stanford, CA*

TOA am 10:50 **Systems Genetics Approaches to Map the Functional Organization of the Proteome**; Jasmin Coulombe-Huntington; Thierry Bertomeu; Linnea Olofsson; Caroline Huard; Daniel St-Cyr; Lily Zhang; Andrew Chatr-ayramontri; Mike Tyers; *Université de Montréal, Montréal, Canada*

TOA am 11:10 **Towards the Human Co-Receptome: A Systematic Exploration of the Immunoglobulin Superfamily Interactome**; Nadia Martinez; *Genentech, South San Francisco, CA*

TOA am 11:22 **Systems Pharmacology Dissection of Cell-Specific Cholesterol Regulation Mechanisms Reveals Large Pharmacodynamic Variability**; Peter Blattmann[1]; David Henriques[2]; Michael Zimmermann[1]; Fabian Frommelt[1]; Uwe Sauer[1]; Julio Saez-Rodriguez[3, 4]; Ruedi Aebersold[1, 5]; *[1]ETH Zurich, Zurich, Switzerland; [2]Spanish Council for Scientific Research, Vigo, Spain; [3]RWTH-Aachen University, Aachen, Germany; [4]European Molecular Biology Laboratory - European B, Hinxton, United Kingdom; [5]University of Zurich, Zurich, Switzerland*

TOA am 11:34 **Building a Global Map of Human Protein Complexes: Synthesis of >15k Mass Spectrometry Experiments**; Kevin Drew; John B. Wallingford; Edward Marcotte; *University of Texas, Austin, TX*

TOA am 11:46 **Charting of Endothelin B Receptor Signaling using Phosphoproteomics Discovers Critical Kinases for Endothelin Induced Cell Migration**; Alexander Schaefer[1]; Richard W. D. Welford[2]; Imke Renz[2]; Francois Lehembre[2]; Peter M. A. Groenen[2]; Enio Gjerga[3]; Julio Saez-Rodriguez[3, 4]; Ruedi Aebersold[1, 5]; Matthias Gstaiger[1]; *[1]ETH Zurich, Zurich, Switzerland; [2]Idorsia Pharmaceuticals, Allschwil, Switzerland; [3]RWTH Aachen University, Aachen, Germany; [4]European Molecular Biology Laboratory, Hinxton, UK; [5]Faculty of Science, University of Zürich, Zurich, Switzerland*

TOA am 11:58 **A High-Resolution Organellar Proteomics Approach to Study Subcellular Distribution and Dynamics of Proteins in Cells**; Johannes Jordan[1]; Wolfgang Bildl[1]; Clara Steinbrueck[1]; Alexander Haupt[1]; Maciej Kocylowski[1]; Astrid Kollewe[1]; Bernd Fakler[1, 2]; Uwe Schulte[1, 3]; *[1]University of Freiburg, Germany, Freiburg, Germany; [2]Center for Biological Signaling Studies (BIOSS), Freiburg, Germany; [3]Logopharm GmbH, March-Buchheim, Germany*

10:30 am - 12:20 pm Tuesday
IMMUNOLOGY
Session Chair: Pierre Thibault
Oceana 7

TOB am 10:30 **Advanced Immunopeptidomics based Discovery Engine for the Development of Personalized Cancer Immunotherapy**; Michal Bassani-Sternberg; *Unil-Chuv*

TOB am 10:50 **Allegedly Non-Coding Regions Are the Main Source of Tumor-Specific Antigens**; Claude Perreault; *IRIC-Université de Montréal, Montreal, Canada*

TOB am 11:10 **Systematic Profiling of HLA Class I Peptide Epitopes by LC-MS/MS in Mono-Allelic Cells Improves Neoantigen Binding Prediction Algorithms**; Susan Klaeger[1]; Derin Keskin[2, 3]; Siranush Sarkizova[4]; Karl R Clauser[1]; Oliver Spiro[1]; Hasmik Keshishian[1]; Christina Hartigan[1]; Nir Hacohen[1, 5]; Catherine J Wu[1, 2]; Steven A Carr[1]; *[1]The Broad Institute, Cambridge, MA; [2]Dana-Farber Cancer Institute, Boston, MA; [3]Brigham and Women's Hospital, Boston, MA; [4]Harvard Medical School, Boston, MA; [5]Massachusetts General Hospital, Boston, MA*

TOB am 11:22 **Integrated Proteome and HLA Peptidome Quantitation with Tandem Mass Tags**; Patrick Murphy[1]; Prathyusha Konda[1]; Joao Paulo[3]; Heiko Schuster[2]; Daniel Kowalewski[2]; Youra Kim[1]; Derek Clements[1]; Michael Giacomantonio[1]; Stefan Stevanovic[2]; Steve Gygi[3]; Shashi Gujar[1]; *[1]Dalhousie University, Halifax, Canada; [2]Tubingen University, Tuebingen, Germany; [3]Harvard Medical School, Boston, MA*

TOB am 11:34 **Is Hybrid Peptide Formation a New Post-Translational Modification that Drives Autoimmunity?** Timothy Wiles; Anita Hohenstein; Thomas Delong; *University of Colorado Skaggs School of Pharmacy, Aurora, CO*

TOB am 11:46 **Citrullinated Glucose-regulated Protein 78: An Autoantigen in Human Type 1 Diabetes**; Lut Overbergh[1]; Inne Crèvecoeur[1]; Fernanda MC Sodré[1]; Aïsha Callebaut[1]; Gabriele B fagan[2]; Mei-Ling Yang[3]; David Arribas-Layton[2]; Meghan Marré[4]; Dana P Cook[1]; Etienne Waelkens[1]; Roberto Mallone[5]; Jon Piganelli[4]; Rita Derua[1]; Mark Mamula[3]; Eddie A James[2]; Chantal Mathieu[1]; Mijke Buitinga[1]; *[1]KU Leuven, Leuven, Belgium, Leuven, Belgium; [2]Benaroya Research Institute, Seattle, WA, USA; [3]Yale University School of Medicine, New Haven, CT, USA; [4]University of Pittsburgh, Division of Pediatric S, Pittsburgh, PA, USA; [5]INSERM, Paris, France*

TOB am 11:58 **Cytoplasmic Interactions of the Pathogen Recognition Receptor cGAS Modulate Type I IFN induction during Herpesvirus Infection**; Krystal Lum; Bokai Song; Joel Federspiel; Benjamin Diner; Ileana Cristea; *Princeton University, Princeton, NJ*

10:30 am - 12:20 pm Tuesday
STRUCTURAL PROTEOMICS
Session Chairs: Patrick Griffin and Carol Robinson
Oceana 6

TOC am 10:30 **Different Means to Solubilize Membrane Proteins for MS Analysis: Going More Native**; Nina Morgner; Oliver Peetz; Nils Hellwig; *Goethe University Frankfurt/Main, Frankfurt/Main, Germany*

TOC am 10:50 **Photo-Crosslinking Mass Spectrometry and Integrative Modeling Enables Rapid Screening of Antigen Interactions Involving Bacterial Transferrin Receptors**; Daniel S. Ziemianowicz; Dixon Ng; Anthony B. Schryvers; David Schriemer; *University of Calgary, Calgary, Canada*

TOC am 11:10 **Deciphering the Role of Histone H2A Proteolysis during Stem Cell Differentiation and its Consequence in Nucleosome Stability**; Mariel Coradin[1]; Kelly Karch[1, 2]; Enrique Lin-Shiao[1, 2]; Simone Sidoli[1, 2]; Shelley Berger[1, 2]; Benjamin A. Garcia[1, 2]; *[1]University of Pennsylvania, Epigenetics Institute, Philadelphia, PA; [2]University of Pennsylvania School of Medicine, Philadelphia, PA*

TOC am 11:22 **Cell-deep Structural Biology Insights from Surface-exposed Biotins**; David-Paul Minde; Manasa Ramakrishna; Kathryn Lilley; *University of Cambridge, Cambridge, United Kingdom*

TOC am 11:34 **Structure and Protein Interaction-based Gene Ontology Annotations Reveal Likely Functions of Uncharacterized Proteins on Human Chromosome 17**; Chengxin Zhang; Gilbert Omenn; Yang Zhang; *University of Michigan, Ann Arbor, MI*

TOC am 11:46 **Novel Strategies for Enrichment of Membrane Proteins and Structural Characterization by Top-down Mass Spectrometry with Ultra-Violet Photodissociation (UVPD)**; Julian Whitelegge; *Semel Institute, UCLA, Los Angeles, CA*

TOC am 11:58 **Conformational Switching of the MLKL Pseudokinase Domain Promotes MLKL Tetramerization and Cell Death by Necroptosis**; Jarrod Sandow[1]; Emma Petrie[1]; Annette Jacobson[1]; Brian Smith[3]; Michael Griffin[2]; Isabelle Lucet[1]; Weiwen Dai[1]; Samuel Young[1]; Maria Tanzer[1]; Ahmad Wardak[1]; Lung-Yu Liang[1]; Angus Cowan[1]; Joanne Hildebrand[1]; Wilhelmus Kersten[1]; Guillaume Lessene[1]; John Silke[1]; Peter Czabotar[1]; Andrew Webb[1]; James Murphy[1]; *[1]Walter & Eliza Hall Institute, Parkville, Australia; [2]The University of Melbourne, Parkville, Australia; [3]LaTrobe University, Bundoora, Australia*

10:30 am - 12:20 pm Tuesday
HPP: METABOLIC REMODELING AND HUMAN DISEASE
Session Chairs: Fernando Corrales and Ferdinando Cerciello
Oceana 3-5

TOD am 10:30 **Nonalcoholic Fatty Liver Disease Diversity: Learning from Mouse Models**; Cristina Alonso; *OWL Metabolomics, Derio, Spain*

TOD am 10:50 **Technology for Clinical Proteomics and Its Application to Liver Disease**; Matthias Mann; *Max Planck Institute of Biochemistry, Martinsried, Germany*

TOD am 11:10 **Quantitative Targeted Proteomic Analysis of One-Carbon Metabolism Proteins in Human Liver Cancer**; Fernando Corrales[1]; Alberto Paradela[4]; Verónica Ambao[2]; Ignacio Granero[4]; Bruno Sangro[3]; *[1]Centro Nacional de Biotecnología, CSIC; CIBEREHD, Madrid, Spain; [2]Centro de Investigaciones Endocrinológicas CONICET, Buenos Aires,*

Argentina; [3]Clínica Universidad de Navarra-IDISNA and CIBEREHD, Pamplona, Spain; [4]Centro Nacional de Biotecnología, CSIC, Madrid, Spain

TOD am 11:22 **Systems Analysis Reveals Phosphatidylcholine Metabolism Changes in Relapsed Multiple Myeloma**; Ahmed Mohamed[1]; Joel Collins[3, 4]; Hui Jiang[2]; Jeffrey Molendijk[2]; Thomas Stoll[2]; Kate Markey[1, 5]; Michelle Hill[1, 2]; *[1]QIMR Berghofer Medical Research Institute, and The, Brisbane, Australia; [2]UQ Diamantina Institute, University of Queensland, Brisbane, Australia; [3]Princess Alexandra Hospital, Brisbane, Australia; [4]Toowoomba Hospital, Toowoomba, Australia; [5]Royal Brisbane and Women's Hospital, Brisbane, Australia*

TOD am 11:34 **NEDDylated Proteome in Non Alcoholic Fatty Liver Disease**; Marina Serrano-Maciá[1]; Mikel Azkargorta[1, 4]; Jorge Simón[1]; Naroa Goikoetxea-Usandizaga[1]; Teresa Cardoso[1]; David Fernandez-Ramos[1]; Virginia Gutierrez de Juan[1]; Marta Varela-Rey[1, 5]; Pablo Fernandez-Tussy[1]; Fernando Lopitz-Otsoa[1]; Patricia Aspichueta[2]; Paula Iruzubieta[2]; Javier Crespo[2]; Selly C Lu[3]; José M. Mato[1]; Felix Elortza[1, 4]; María Luz Martinez-Chantar[1, 5]; *[1]CIC bioGUNE, Derio, Spain; [2]UPV/EHU, Leioa, Spain; [3]Cedars-Sinai Medical Center, LA, CA; [4]ProteoRed-ISCIII, Derio, Spain; [5]CIBERehd, Derio, Spain*

TOD am 11:46 **Comparative Proteomic and Lipidomic Profiling Reveals Broad Dysregulation of Lipid Metabolism in Triple-Negative Breast Cancer Development**; Ling Lin[1]; Songping Lin[2]; Huali Shen[1]; Pengyuan Yang[1]; *[1]Fudan University, Shanghai, China; [2]Affiliated Union Hospital of Fujian Medical Univer, Fujian, China*

TOD am 11:58 **A Molecular Portrait of Ground State Pluripotency**; Ana Martinez-Val[1]; Cian Lynch[2, 3]; Manuel Serrano[2, 3]; Javier Muñoz[1]; *[1]Proteomics Unit, CNIO, Madrid, Spain; [2]Cellular Plasticity and Disease Group, IRB, Barcelona, Spain; [3]Tumour Suppression Group, CNIO, Madrid, Spain*

10:30 am - 12:20 pm Tuesday
RARE DISEASES
Session Chair: Nicholas J. Schork
Oceana 1-2

TOE am 10:30 **Integrated Approaches to Patient-Specific Research**; Nicholas J. Schork[1, 2]; *[1]Translational Genomics Research Institute (TGen), Phoenix, AZ; [2]City of Hope/TGen IMPACT Center, Duarte, CA*

TOE am 10:50 **Pediatric Cancer: A Genomics-based Study of a Rare Disease**; Elaine R. Mardis; *Nationwide Children's Hospital, Columbus, OH*

TOE am 11:10 **Quantitative Proteomic Analyses of Uterine Leiomyomas from Hereditary Leiomyomatosis and Renal Cell Cancer Patients.**; Thomas Conrads[1]; Christopher Tarney[2]; Nicholas Bateman[2]; Niyati Parikh[2]; Ming Zhou[1]; Kelly Conrads[2]; James Segars[3]; Paul Driggers[3]; Yovanni Casablanca[2]; Chad Hamilton[2]; G. Larry Maxwell[4]; *[1]Inova Schar Cancer Institute, Falls Church, VA; [2]Gynecologic Cancer Center of Excellence, Annandale, VA; [3]Johns Hopkins School of Medicine, Baltimore, MD; [4]Obstetrics and Gynecology, Inova Fairfax Hospital, Falls Church, VA*

TOE am 11:22 **Plasma Proteomic Profiling to Identify Potential Biomarkers for Early Diagnosis of Multiple Myeloma in Premalignant Disease**; Yurany Moreno[1]; Nicola J Weston-Bell[1]; Kate Vandyke[3]; Duncan Hewett[3]; Andrew Zannettino[3]; Spiros Garbis[2]; Surinder S Sahota[1]; *[1]Tumour Immunogenetics Group, University of Southampton, United Kingdom; [2]Proteomics Group, University of Southampton, United Kingdom; [3]Myeloma Research Laboratory, The University of Adelaide, Australia*

TOE am 11:34 **Angiotensin II Signature Proteins as Non-Invasive Markers of Fibrosis in Kidney Transplant Recipients**; Zahraa Mohammed-Ali[1]; Tomas Tokar[1]; Ihor Batruch[2]; Shelby Reid[3]; Alexandre Tavares-Brum[4]; Paul Yip[1]; Héloïse Cardinal[4]; Marie-Josée Hébert[4]; Yanhong Li[1]; S. Joseph Kim[1, 3]; Igor Jurisica[1, 3]; Rohan John[1]; Ana Konvalinka[1]; *[1]University Health Network, Toronto, ON, Canada; [2]Lunenfeld-Tanenbaum Research Institute, Toronto, ON, Canada; [3]University of Toronto, Toronto, ON, Canada; [4]Centre Hospitalier de l'Université de Montréal, Montréal, QC, Canada*

TOE am 11:46 **Aptamer-based Proteomics Identifies Potential Predictive Biomarkers of Doxorubicin-induced Cardiotoxicity**; Li-Rong Yu[1]; Jaclyn Daniels[1]; Zhijun Cao[1]; Richard Beger[1]; Issam Makhoul[2]; Angela Pennisi[2]; Jeanne Wei[2]; Jane Bai[3]; Julia Lathrop[4]; Jinong Li[5]; Valentina Todorova[2]; *[1]National Center for Toxicological Research, FDA, Jefferson, AR; [2]University of Arkansas for Medical Sciences, Little Rock, AR; [3]Center for Drug Evaluation and Research, FDA, Silver Spring, MD; [4]Center for Biologics Evaluation and Research, FDA, Silver Spring, MD; [5]Center for Devices and Radiological Health, FDA, Silver Spring, MD*

TOE am 11:58 **Targeted Proteomic Analysis of Formalin-Fixed Paraffin Embedded Prostate Biopsies with Outcomes Data to Identify Candidate Biomarkers for Aggressive Prostate Cancer**; Yuqian Gao[1]; Hui Wang[1]; Denise Young[2]; Jennifer Cullen[2, 3]; Yingjie Song[2]; Yongmei Chen[2];

Athena Schepmoes[1]; Gyorgy Petrovics[2, 3]; Thomas Fillmore[1]; Tujin Shi[1]; Wei-Jun Qian[1]; Richard Smith[1]; Sudhir Srivastava[4]; Jacob Kagan[4]; Albert Dobi[2, 3]; Inger Rosner[2]; Karin Rodland[1]; Isabell Sesterhenn[5]; Shiv Srivastava[2]; Tao Liu[1]; *[1]Pacific Northwest National Laboratory, Richland, WA; [2]Center for Prostate Disease Research, Bethesda, MD; [3]John P. Murtha Cancer Center, Bethesda, MD; [4]National Cancer Institute, Bethesda, MD; [5]Joint Pathology Center, Silver Springs, MD*

12:20 – 1:45 pm Tuesday
CORPORATE LUNCH SEMINARS or Lunch-on-your-own

RSVP Required for Corporate Lunch Seminars.

BIOGNOSYS NEXT GENERATION PROTEOMICS EVOSEP

Banda Sea Room
Robust Clinical Proteomics Workflow for Plasma and Cancer Tissue Analysis; Matthias Mann, *Max Planck Institute for Biochemistry*; **Clinical Proteomics for Biomarker Qualification in Fabry Disease**; Petra Oliva, *Sanofi Genzyme*

BRUKER

Timor Sea Room
Our time with PASEF on the timsTOF Pro; Tharan Srikumar, *Princeton University*; **Urine Biomarker Discovery by Proteomics and Peptidomics: Towards "All-in-One Urine Test"**; Tadashi Yamamoto, *Niigata University*

SCIEX

Coral Sea Room
The TripleTOF® System in the Lab – Practical Applications and Exciting Innovations; Christie Hunter, *SCIEX*

ThermoFisher SCIENTIFIC

Java Sea Room
Precision Medicine: Advancing Mass Spectrometry-based Large-cohort Proteomics for Precision Medicine – An International Cancer Moonshot Multi-site Study; Thomas Conrads, *Inova Schar Cancer Institute*; Yue Xuan, *Thermo Fisher Scientic*

Waters
THE SCIENCE OF WHAT'S POSSIBLE.®

South China Sea Room

Precision, Accuracy, and Throughput in Clinical Proteomics

Introduction of Absolute Quantification of Plasma Samples Based on Biognosys' PQ500 Reference Peptides; Roland Bruderer (Biognosys)

Application of SONAR for enhanced throughput analysis with an exploratory targeted reagent strategy in clinical proteomics research; Lee Gethings, (Waters Corp.)

2:00 - 3:50 pm Tuesday
CARDIOLOGY
Session Chairs: Peipei Ping and Pothur Srinivas
Oceana 8-10

TOA pm 2:00 **Top-Down Proteomics in Cardiac Disease and Regeneration**; Ying Ge; *University of Wisconsin, Madison, WI*

TOA pm 2:20 **Oxidative Stress Post-translational Modification Landscape in Cardiac Hypertrophy Revealed By Machine Learning Approaches**; Peipei Ping; *UCLA, Los Angeles, CA*

TOA pm 2:40 **Proteomic Mapping Reveals Differences in the Bioenergetics of the Heart**; Wendy Heywood[1]; Richard Collis[2, 4]; Jonathan Searle[1]; Ivan Doykov[1]; Caroline Coats[2]; Michael Ashworth[3]; Perry Elliott[2, 4]; Kevin Mills[1]; *[1]UCL Great Ormond Street Institute of Child Health, London, United Kingdom; [2]UCL Institute of Cardiovascular Science, London, UK; [3]Great Ormond Street Hospital, London, UK; [4]Barts Hospital, London, UK*

TOA pm 2:52 **Circulating Concentrations of MYDGF in Healthy Individuals and Patients with Myocardial Infarction as Assessed by a New, Quantitative LC-MS Assay**; Andreas Pich[1]; Felix Polten[1]; Marc Reboll[1]; Kerstin Bethmann[1]; Christian Widera[1]; Evangelos Giannitsis[2]; Jochen Tillmanns[1]; Tibor Kempf[1]; Johann Bauersachs[1]; Kai Wollert[1]; *[1]Hannover Medical School, Hannover, Germany; [2]University of Heidelberg, Heidelberg, Germany*

TOA pm 3:04 **Getting to the Heart of the Matter: Multispecies Heart Tissue Proteome Characterization**; Joel Federspiel[1]; Caralynn Wilczewski[2]; Laura Herring[2]; Samvida Venkatesh[1]; Lauren Wasson[2]; Frank Conlon[2]; Ileana Cristea[1]; *[1]Princeton University, Princeton, NJ; [2]University of North Carolina at Chapel Hill, Chapel Hill, NC*

TOA pm 3:16 **Phosphoproteomic Profiling Reveals Perturbed Cardiac Signaling in Dilated Cardiomyopathy Patients**; Sina Hadipour-Lakmehsari[1]; Uros Kuzmanov[1]; Andrew Emili[1]; Gavin Oudit[2]; Anthony Gramolini[1]; *[1]University of Toronto, Toronto, Canada; [2]University of Alberta, Edmonton, Canada*

TOA pm 3:28 **Global Proteomic and Transcriptomic Analyses Identify a Profile that Distinguishes Advanced Heart Failure Patients Capable of Cardiac Recovery Following LVAD-Unloading**; Christopher Tracy; Aman Makaju; Rachit Badolia; Sutip Navankasattusas; Dinesh Ramadurai; Anna Bakhtani; Lauren McCreath; Nikolaos Diakos; Craig Selzman; Stavros Drakos; Sarah Franklin; *University of Utah, Salt Lake City, UT*

2:00 - 3:50 pm Tuesday
COMPUTATIONAL ADVANCES
Session Chairs: Nuno Bandeira and David Fenyo
Oceana 7

TOB pm 2:00 **Imputing Missing Values in Proteomics Data from Mass Spectrometry based Experiments**; Pei Wang; *Icahn School of Medicine at Mount Sinai, New York, NY*

TOB pm 2:20 **Low Abundance Peptide Sequencing by Deep Learning**; Lei Xin[1]; Hieu Tran[2]; Xin Chen[1]; Rui Qiao[2]; CY Liu[2]; Baozhen Shan[1]; Ming Li[2]; *[1]Bioinformatics Solutions Inc, Waterloo, Canada; [2]University of Waterloo, Waterloo, Canada*

TOB pm 2:40 **A Combined Identification and Quantification Error Model of Label-Free Protein Quantification**; Matthew The; Lukas Käll; *KTH - Royal Inst of Technology, Stockholm, Sweden*

TOB pm 2:52 **See Deeper with iSwathX: An Effortless Approach to Combine DDA Data Libraries for DIA Data Analysis**; Zainab Noor[1]; Abidali Mohamedali[1]; Mark S. Baker[2]; Shoba Ranganathan[1]; *[1]Department of Molecular Sciences, Macquarie Univer, Sydney, Australia; [2]Department of Biomedical Sciences, Macquarie University, Sydney, Australia*

TOB pm 3:04 **Topological Scoring of Protein Interaction Networks**; Mihaela Sardiu[1]; Joshua Gilmore[2]; Brad Groppe[3]; Arnob Dutta[4]; Laurence Florens[1]; Michael Washburn[1, 5]; *[1]Stowers Institute for Medical Research, Kansas City, MO; [2]Boehringer Ingelheim Vetmedica, St. Joseph, MO; [3]Thermo Fisher Scientific, Waltham, MA; [4]University of Rhode Island, Kingston, RI; [5]The University of Kansas Medical Center, Kansas City, MO*

TOB pm 3:16 **The Functional Human Phospho-Proteome**; David Ochoa; Andrew Jarnuczak; Pedro Beltrao; Juan Antonio Vizcaino; *EMBL-European Bioinformatics Institute (EMBL-EBI), Hinxton, United Kingdom*

TOB pm 3:28 **Functional 5′ UTR Motif Discovery with LESMoN: Local Enrichment of Sequence Motifs in Biological Networks**; Mathieu Lavallée-Adam[1, 2]; Philippe Cloutier[3]; Benoit Coulombe[3, 4]; Mathieu Blanchette[1]; *[1]McGill University, Montreal, Canada; [2]University of Ottawa, Ottawa, Canada; [3]Institut de recherches cliniques de Montréal, Montreal, Canada; [4]Université de Montréal, Montreal, Canada*

2:00 - 3:50 pm Tuesday
NEW TECHNOLOGICAL ADVANCEMENTS IN PROTEOMICS
Session Chairs: Kimberly Lee and Julian Saba
Oceana 6

TOC pm 2:00 **Scratching the Surface: Ligand-Based Receptor Capture Methodologies to Explore the Surfaceome of Living Cells and Its Interactors**; Maria Pavlou; Laura A. Lopez-Garcia; Sandra Marder; Levent Demiray; Paul Helbling; *Dualsystems Biotech AG, Schlieren, Switzerland*

TOC pm 2:20 **Integrating Cryo Electron Microscopy and LC-MS/MS for In-Depth Characterization of Viral Glycoproteins**; Joost Snijder[1]; David Veesler[2]; *[1]Snijder Bioscience, Arnhem, The Netherlands; [2]University of Washington, Seattle, WA*

TOC pm 2:40 **Evaluation of a Novel LC System that Embeds Analytes in Pre-Formed Gradients for Rapid, Ultra-Robust Proteomics**; Nicolai Bache[1]; Philipp E. Geyer[2]; Dorte B. Bekker-Jensen[3]; Ole Hoerning[1]; Lasse Falkenby[1]; Peter V. Treit[2]; Sophia Doll[2]; Igor Paron[2]; Florian Meier[2]; Jesper V. Olsen[3]; Ole Vorm[1]; Matthias Mann[2]; *[1]EVOSEP Biosystems, Odense, Denmark; [2]Max Planck Institute of Biochemistry, Martinsried, Germany; [3]University of Copenhagen, Copenhagen, Denmark*

TOC pm 2:52 **Efficient Top-Down Characterization of Native Proteoforms by Electron Capture Dissociation at Chromatographic Speeds with Q-ToF and Orbitrap Instruments**; Joseph S Beckman[1]; Valery G. Voinov[2]; Yury Vasil'ev[2]; Blaine Roberts[3]; Jared Shaw[4]; *[1]Oregon State University, Corvallis, OR; [2]e-MSion, Inc, Corvallis, OR; [3]Florey Institute, Melbourne, AU; [4]PNNL, Richland, WA*

TOC pm 3:04 **Mass Spectrometry Imaging as Tool in Cancer Diagnostics and Cancer Drug Testing Platform**; Peter Hoffmann[1]; Parul Mittal[2]; Mitchell Acland[2]; Georgia Arentz[1]; Gurjeet Kaur[3]; Martin K. Oehler[4]; *[1]Future Industries Institute, UniSA, Mawson Lakes, Australia; [2]Adelaide Proteomics Centre, Adelaide, Australia; [3]Research in Molecular Medicine (INFORMM), Penang, Malaysia; [4]Department of Gynaecological Oncology, RAH, Adelaide, Australia*

TOC pm 3:16 **Digging Deeper into the Plasma Proteome, a Novel Nanoflow LCMS Approach using Micro Pillar Array Columns (µPAC™)**; Jeff Op De Beeck[1]; Paul Jacobs[1]; Natalie Van Landuyt[1]; Wim De Malsche[2]; Gert Desmet[2]; Jarne Pauwels[3]; An Staes[3]; Francis Impens[3]; Kris Gevaert[3]; *[1]PharmaFluidics, Zwijnaarde, Belgium; [2]Vrije Universiteit Brussel, Brussel, Belgium; [3]VIB Proteomics Expertise Center, UGent, Gent, Belgium*

TOC pm 3:28 **Comprehensive Single-Shot Proteomics Experiments with LC-FAIMS-MS/MS**; Alexander S. Hebert[1]; Satendra Prasad[2]; Michael W. Belford[2]; Derek J. Bailey[2]; Susan E. Abbatiello[2]; Romain Huguet[2]; Graeme C. McAlister[2]; Eloy R. Wouters[2]; Jean-Jacques Dunyach[2]; Dain Brademan[1]; Michael S Westphall[1]; Joshua J. Coon[1, 3]; *[1]University of Wisconsin - Madison, Madison, WI; [2]Thermo Fisher Scientific, San Jose, CA; [3]Morgridge Institute for Research, Madison, WI*

2:00 - 3:50 pm Tuesday
HPP: HARNESSING THE IMMUNE SYSTEM TO FIGHT DISEASE
Session Chairs: Arie Admon and Ileana Cristea
Oceana 3-5

TOD pm 2:00 **A Tissue-based Draft Map of the Murine MHC class I Immunopeptidome**; Heiko Schuster[2]; Wenguang Shao[1]; Tobias Weiss[3]; Patrick Pedrioli[1]; Patrick Roth[3]; Michael Weller[3]; David Campbell[4]; Eric Deutsch[4]; Robert Moritz[4]; Oliver Planz[2]; Hans-Georg Rammensee[2]; Ruedi Aebersold[1]; Etienne Caron[1]; *[1]ETH Zurich, Zurich, Switzerland; [2]University of Tübingen, Tübingen, Germany; [3]University Hospital Zürich, Zürich, Switzerland; [4]Institute for Systems Biology, Seattle, WA*

TOD pm 2:20 **Targeted Proteomics-Driven Computational Modeling of Macrophage Microbial Sensing Pathways**; Nathan Manes; Jessica Mann; Pauline Kaplan; Martin Meier-Schellersheim; Iain Fraser; Ronald Germain; Aleksandra Nita-Lazar; *National Institutes of Health, Bethesda, MD*

TOD pm 2:40 **Comparison of the HLA Peptidome of Primary and PDX Human Tumors Enables Identification of Neoepitopes of Potential for Personalized Immunotherapy**; Nataly Nataly Rijensky[1]; Netta Shraga[2]; Eilon Barnea[1]; Eitan Rubin[3]; Yitzhak Haviv[2]; Arie Admon[1]; *[1]Technion-Israel Inst. of Tech, Haifa, Israel; [2]Bar Ilan University, Zfat, Israel; [3]Ben-Gurion University of the Negev, Beer-Sheva, Israel*

TOD pm 2:52 **Microscale Cell Surface Capture Technology for Discovery of Cell Surface *N*-Glycoproteins and its Application to Human Primary Cardiomyocytes**; Rachel A Jones Lipinski; Matthew Waas; Ranjuna Weerasekera; Theodore R. Keppel; Christopher Ashwood; Rebekah L. Gundry; *Medical College of Wisconsin, Milwaukee, WI*

TOD pm 3:04 **Gas Phase Ion Fractionation Provides Unparalleled Sensitivity for Proteomic and Immunopeptidomic Analyses**; Sibylle Pfammatter[1]; Eric Bonneil[1]; Joel Lanoix[1]; Marie-Pierre Hardy[1]; Satendra Prasad[2];

Michael Belford[2]; Jean-Jacques Dunyach[2]; Claude Perreault[1]; Pierre Thibault[1]; *[1]Universite de Montreal, Montreal, Canada; [2]Thermo Fisher Scientific, San Jose, CA*

TOD pm 3:16 **Longitudinal Omics and Biomolecular Network Analysis Dissect Host-specific Immune Dynamics in Multihost Fungal disease**; Pooja Aggarwal; Kanika Narula; Sudip Ghosh; Rajul Tayal; Niranjan Chakraborty; Subhra Chakraborty; *National Institute of Plant Genome Research, New Delhi, India*

TOD pm 3:28 **Computational Immunomics Reveals Differential Human Immune Recognition of the *Candida albicans* Cell Surface Proteome during Dimorphic Transition in Invasive Candidiasis**; Aida Pitarch; César Nombela; Concha Gil; *Complutense University, Madrid, Spain*

2:00 - 3:50 pm Tuesday
MICROBIOME AND PATHOGEN INFECTIONS
Session Chair: Frank Schmidt and Concha Gil
Oceana 1-2

TOE pm 2:00 **Ionbot: A Novel, Fully Data-Driven Search Engine for Open Modification and Mutation Searches with Applications in Quantitative (Meta-)Proteomics**; Sven Degroeve; Lennart Martens; *VIB-UGent Center for Medical Biotechnology, Ghent, Belgium*

TOE pm 2:20 **Pathogen-Specific Monoclonal Antibodies Maintain Short-Chain Fatty Acids (SCFA) And The Intestinal Microbiome**; Sonja Hess; *Medimmune, Gaithersburg, MD*

TOE pm 2:40 **Multi-Omics Comparative Analysis Reveals Host Signaling Pathways Affected by the Gut Microbiota**; Nathan Manes[1]; Natalia Shulzhenko[2]; Arthur Nuccio[1]; Sara Azeem[1]; Andrey Morgun[2]; Aleksandra Nita-Lazar[1]; *[1]National Institutes of Health, Bethesda, MD; [2]Oregon State University, Corvallis, OR*

TOE pm 2:52 **Quantifying Functional Microbiomes using MetaQuant: An Integrated, Quantitative Metaproteomics Tool Reveals Connections between Taxa, Function and Protein Expression in Microbiomes.**; Pratik Jagtap[1]; Caleb Easterly[1]; Nadia Szeinbaum[2]; Andrea Argentini[3]; Subina Mehta[1]; Ray Sajulga[1]; Bart Mesuere[4]; James Johnson[1]; Carolin Kolmeder[5]; Praveen Kumar[1]; Jennifer Glass[2]; Joel Rudney[1]; Lennart Martens[3]; Brook Nunn[6]; Timothy Griffin[1]; *[1]University of Minnesota, Minneapolis, Minnesota; [2]Georgia Tech, Atlanta, GA; [3]VIB-UGent Center for Medical Biotechnology, Ghent, Belgium; [4]University of Ghent, Ghent, Belgium; [5]University of Helsinki, Helsinki, Finland; [6]University of Washington, Seattle, WA*

TOE pm 3:04 **Strength in Numbers: Impact of Oligomerization of Antiviral Proteins in Immune Response**; Timothy Howard; Krystal Lum; Catherina Pan; Ileana Cristea; *Princeton University, Princeton, NJ*

TOE pm 3:16 **Exploring the Anti-Staphylococcal Antibody Response using a Bead-Based Array Approach**; Tanja Meyer; Stephan Michalik; Barbara Bröker; Uwe Völker; *University Medicine Greifswald, Greifswald, Germany*

TOE pm 3:28 **Bacterial Proteotyping using Machine Learning Defined Peptide Signatures and Validation on Q-Exactive HF-X Coupled to Capillary Flow Liquid Chromatography**; Florence Roux-Dalvai[1]; Clarisse Gotti-Barban[1]; Mickaël Leclercq[1]; Frédéric Fournier[1]; Marie-Claude Hélie[2]; Judith Marcoux[1]; Isabelle Kelly[1]; Tabiwang N. Arrey[4]; Julie Bestman-Smith[3]; Claire Dauly[5]; Maurice Boissinot[2]; Michel G. Bergeron[2]; Arnaud Droit[1]; *[1]Proteomics Platform - CHU Quebec Laval University, Quebec, Canada; [2]Infectiology CHU Quebec Laval University, Quebec, Canada; [3]Enfant Jesus Hospital CHU Quebec ULaval, Quebec, Canada; [4]Thermo Fisher Scientific, Bremen, Germany; [5]Thermo Fisher Scientific, Paris, France*

TUESDAY, OCTOBER 2

3:50 - 5:00 pm
POSTER SESSION
Pacifica
Even-numbers present.

5:00 - 5:30 pm
HUPO GENERAL ASSEMBLY MEETING @
INNOVATION STAGE
Flow into the Innovation Stage at the end of Tuesday afternoon posters.
Grab a free beer, wine, or soda! Hear a brief update on HUPO happenings.

6:30 – 8:30 pm
LUAU SOCIAL EVENT
Advance ticket required. Available for purchase at registration through 12:00 pm on Monday.

Polynesian-themed Luau cook-out dinner featuring entertainment (think fire-dancing).

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8:30 - 9:15 pm Wednesday
WEDNESDAY MORNING PLENARY
Session Chair: John Yates
Oceana 6

Mary Higby Schweitzer
North Carolina State University

ProteoPaleontology

9:15 - 10:30 am
POSTER SESSION
Pacifica
ALL posters present.
Please remove posters at 10:30 am.

10:30 am - 12:20 pm Wednesday
ACTIVITY / CHEMICAL PROTEOMICS
Session Chairs: Marcus Bantscheff and Christopher Overall
Oceana 8-10

WOA am 10:30 **Expanding the Cancer Cell DUBome using Advanced Chemoproteomics**; Adan Pinto-Fernandez[1]; Abigail Schofield[1]; Eidarus Salah[1]; Sebastian Mathea[2]; Simon Davis[1]; Philip Charles[1]; Roman Fischer[1]; Benedikt M. Kessler[1]; *[1]University of Oxford, Oxford, UK; [2]Goethe-Universität, Frankfurt, Germany*

WOA am 10:50 **Deciphering the Cell-Specific Redoxome by Chemical Proteomics**; Jing Yang; *National Center for Protein Sciences, Beijing, China*

WOA am 11:10 **Proteome Analysis using Label-free DARTS and LC-MS/MS Method Reveals a Target Protein of Small Molecule Inhibitor of Autophagy**; Hui-Yun Hwang[1]; Yoon Sun Cho[1]; Jin Young Kim[2]; Ki Na Yun[2]; Jong Shin Yoo[2]; György Marko-Varga[1, 3]; Ho Jeong Kwon[1]; *[1]Yonsei University, Seoul, South Korea; [2]Korea Basic Science Institute, Chungbuk, South Korea; [3]Lund University, Lund, Sweden*

WOA am 11:22 **Photoaffinity Probes and Quantitative Proteomics Enable Assessment of Target Engagement and Compound Potency in Live Cells**; H.Christian Eberl; Johanna Vappiani; Anne J. Wagner; Stephanie Lehmann; Marcel Muelbaier; Marcus Bantscheff; *Cellzome, a GSK company, Heidelberg, Germany*

WOA am 11:34 **Chemical Proteomics Unravel Protein Targets and Binding Sites of Sphingolipid like Small Molecules with Anticancer Properties**; Peter Kubiniok[1]; Alison McCracken[2]; Brendan Finicle[2]; Lorenzo Sernissi[1]; Stephen Hanessian[1]; Aimee Edinger[2]; Pierre Thibault[1]; *[1]University of Montreal, Montreal, Canada; [2]University of California, Irvine, CA*

WOA am 11:46 **Inside-out: Targeting Matrix Metalloproteinases and the Surrounding Proteome in the Healing Skin Wound by Hybrid Degradomics**; Simonas Savickas[1, 3]; Tobias Kockmann[2]; Ulrich auf dem Keller[1, 3]; *[1]Technical University of Denmark, Lyngby, Denmark; [2]Functional Genomics Center Zurich, Zurich, Switzerland; [3]Institute of Molecular Health Science, Zurich, Switzerland*

WOA am 11:58 **Ubiquitinome Dynamics upon Proteasome Modulation**; Lennart Van der Wal; Karel Bezstarosti; Karen Sap; Dick Dekkers; Erikjan Rijkers; Jeroen A.A. Demmers; *Erasmus University Medical Center Rotterdam, Rotterdam, Netherlands*

10:30 am - 12:20 pm Wednesday
BIOMARKERS, NON-CANCER
Session Chairs: Karin Rodland and Hui Zhang
Oceana 7

WOB am 10:30 **Cardiovascular Disease: Moving to Precision Medicine and Health**; Jennifer Van Eyk; *Cedars Sinai Medical Center; Los Angeles, CA*

WOB am 10:50 **Plasma Protein Biomarker Discovery and Down Selection for Subsequent Validation in The Environmental Determinants of Diabetes in the Young Cohort**; Bobbie-Jo Webb-Robertson[1]; Ernesto Nakayasu[1]; Charles Ansong[1]; Lisa Bramer[1]; Marina Gritsenko[1]; Therese Clauss[1]; Paul Piehowski[1]; Athena Schepmoes[1]; Bryan Stanfill[1]; Daniel Orton[1]; Ronald Moore[1]; Brigitte Frohnert[2]; Marian Rewers[2]; Richard Smith[1]; Jeffrey Krischer[3]; Thomas Metz[1]; *[1]Pacific Northwest National Laboratory, Richland, WA; [2]University of Colorado School of Medicine, Denver, CO; [3]University of South Florida, Tampa, FL*

WOB am 11:10 **Mitochondrial Proteins as Parkinson's Disease Circulatory Biomarkers – A Translational Study**; Sandra I. Anjo[1, 2]; Patrícia Valério dos Santos[3]; Maria Luiza Constante Rosado[4, 5]; Graça Baltazar[4]; Mário Grãos[1, 6]; Bruno Manadas[1]; *[1]Center for Neuroscience and Cell Biology, UC, Coimbra, Portugal; [2]Faculty of Medicine, UC, Coimbra, Portugal; [3]Centro Hospitalar de Setúbal, Setúbal, Portugal; [4]Faculty of Health Sciences, UBI, Covilhã, Portugal; [5]Centro Hospitalar Cova da Beira, E.P.E.,*

Covilhã, Portugal; [6]Biocant, Biotechnology Transfer Association, Cantanhede, Portugal

WOB am 11:22 **Development a of Novel Targeted Proteomic Plasma Biomarker Panel for Hypertrophic Cardiomyopathy**; Wendy Heywood[4]; Gabriella Captur[2]; Caroline Coats[2]; Stefania Rosmini[2]; Vimal Patel[3]; Richard Collis[2]; Nina Patel[4]; Petros Syrris[3]; Paul Bassett[1]; Ben O'Brian[2]; James Moon[2]; Perry Elliott[3]; Kevin Millls[4]; *[1]UCL, London, United Kingdom; [2]Barts Heart Centre, St Bartholemews Hospital, London, UK; [3]UCL Institute of Cardiovascuslar Science, London, UK; [4]UCL Great Ormond Street Institute of Child Health, London, UK*

WOB am 11:34 **A Novel and Robust Method for Urinary Proteome Profiling Applied in an Exploratory Case-Control Study**; Ireshyn Govender[1, 2]; Stoyan Stoychev[1]; Demetra Mavri-Damelin[2]; Ebrahim Variava[2]; Faheem Seedat[2]; Neil Martinson[2]; Dalu Mancama[1]; *[1]Council for Scientific and Industrial Research, Pretoria, South Africa; [2]University of the Witwatersrand, Johannesburg, South Africa*

WOB am 11:46 **Astroglial Injury-Defined Biomarkers for Assessment of Traumatic Brain Injury**; Ina-Beate Wanner; Julia Halford; Sean Shen; Joseph Loo; *University of California, Los Angeles, Los Angeles, CA*

WOB am 11:58 **Remodeling of the Glyco-phenotype of T Cell Surface Proteins with Antisense RNA of Human Immunodeficiency Virus**; Weiming Yang[1]; Minghui Ao[1]; Fabio Romerio[2]; Hui Zhang[1]; *[1]Johns Hopkins University, Baltimore, MD; [2]University of Maryland, Baltimore, MD*

10:30 am - 12:20 pm Wednesday
SINGLE CELL PROTEOMICS
Session Chair: Nikolai Slavov
Oceana 6
This session is generously supported by

WOC am 10:30 **Dissecting the Spatiotemporal Subcellular Distribution of the Human Proteome**; Emma Lundberg; *KTH Royal Institute of Technology, Stockholm, Sweden*

WOC am 10:50 **Single-Molecule Protein Sequencing**; Jagannath Swaminathan; Alexander A. Boulgakov; Erik T. Hernandez; Angela M. Bardo; James L. Bachman; Joseph Marotta; Amber M. Johnson; Eric V. Anslyn; Edward M. Marcotte; *University of Texas at Austin, Austin, TX*

WOC am 11:10 **Automated Sample Preparation for High-Throughput Single-Cell Proteomics**; Harrison Specht[1]; Guillaume Harmange[1]; David Perlman[1]; Ed Emmott[1]; Zach Niziolek[2]; Bogdan Budnik[2]; Nikolai Slavov[1]; *[1]Northeastern University, Boston, MA; [2]Harvard University, Cambridge, MA*

WOC am 11:22 **Comparison of Novel Quantitative Methods for Single Cell Proteomics**; Akos Vegvari[1]; Christian Beusch[1]; Alexandra Alexandridou[1]; Amirata S Dibavar[1]; Jaakko S Teppo[2]; Roman A Zubarev[1]; *[1]Karolinska Institutet, Stockholm, Sweden; [2]University of Helsinki, Helsinki, Finland*

WOC am 11:34 **Cellular and Subcellular Heterogeneity of Metabolites, Lipids, and Peptides in Selected and Perturbed Cells Explored by Single-Cell Mass Spectrometry**; Linwen Zhang; Nikkita Khattar; Akos Vertes; *The George Washington University, Washington, DC*

WOC am 11:46 **Cell-Type Resolved Proteome and Lipidome of Human Lung at Population and Single Cell Level.**; Geremy Clair; Jennifer Kyle; Ying Zhu; Lisa Bramer; Paul Piehowski; Ryan Kelly; Charles Ansong; *PNNL, Richland, WA*

WOC am 11:58 **PASEF for Ultra-Sensitive Shotgun Proteomics**; Romano Hebeler[1]; Heiner Koch[1]; Christopher M. Adams[2]; Scarlet Koch[1]; Markus Lubeck[1]; Florian Meier[3]; Andreas Brunner[3]; Matthias Mann[3]; *[1]Bruker Daltonik GmbH, Bremen, Germany; [2]Bruker Daltonics Inc., San Jose, USA; [3]Max Planck Institute of Biochemistry, Martinsried, Germany*

10:30 am - 12:20 pm Wednesday
HPP: HUMAN CHEMOSENSATION: OLFACTION AND TASTE
Session Chairs: Mark Baker and Jong Shin Yoo
Oceana 3-5

WOD am 10:30 **Odorant Receptors and the Perception of Odors**; Andreas Keller; *Rockefeller University, New York, NY*

WOD am 10:50 **Bitter Sweet Taste Proteins**; Danielle Reed; *Monell Chemical Senses Center, Philadelphia, PA*

WOD am 11:10 **Comprehensive Proteomic Approaches for Membrane Proteins Analysis**; Jing Gao; Yanting Zhou; Hongwen Zhu; Zhenyun Zhu; Hu Zhou; *Shanghai Institute of Materia Medica*

WOD am 11:22 **Changes in Proteome of Age-Related Maculopathy Susceptibility Protein 2 (ARMS2) Edited Retinal Pigment Epithelial Cells in Response to Oxidative Stress**; Meleha Ahmad [1]; Todd Greco[2]; Marisol Cano[1]; James Handa[1]; Karl Wahlin[1]; Donald Zack[1]; Srinivas Sripathi[1]; Ileana Cristea[2]; Richard Semba[1]; *[1]Wilmer Eye Institute, Baltimore, MD; [2]Princeton University, Princeton , NJ*

WOD am 11:34 **Identification of Missing Proteins and Alternative Splicing Variants from Human Olfactory Epithelial Tissue**; Heeyoun Hwang[1]; Ji Eun Jeong[1, 2]; Hyun Kyoung Lee[1, 2]; Ki Na Yun[1]; Hyun Joo An[2]; Bonghee Lee[3]; Young-Ki Paik[4]; Gi Taek Yee[5]; Jin Young Kim[1]; Jong Shin Yoo[1, 2]; *[1]KBSI, Chungju-Si, South Korea; [2]Chungnam National Univ, Daejeon, South Korea; [3]Gachon University, Incheon, South Korea; [4]Yonsei Univ, Seoul, South Korea; [5]Gil Medical Center, Incheon, South Korea*

WOD am 11:46 **Identifiable Human Olfactory Receptor Proteome using High-Stringency Mass Spectrometry.**; Subash Adhikari; Samridhi Sharma; Seong Beom Ahn; Mark S. Baker; *Macquarie University, Sydney, Australia*

WOD am 11:58 **Speaker Roundtable**

10:30 am - 12:20 pm Wednesday
NEURODEGENERATIVE DISEASES
Session Chair: Nicholas Seyfried
Oceana 1-2

WOE am 10:30 Victor Faundez; *Emory University, Atlanta, GA*

WOE am 10:50 Wilfried Rossoll; *Mayo Clinic, Jacksonville, FL*

WOE am 11:10 **Large-scale Proteomic Analysis of Alternative Open Reading Frames Reveals Novel Proteins in Neurodegenerative Diseases such as Amyotrophic Lateral Sclerosis**; Marie Brunet; Jennifer Raisch; Mylene Brunelle; Jean-Francois Lucier; Jean-Fancois Jacques; Nathalie Rivard; Xavier Roucou; *University of Sherbrooke, Sherbrooke, Canada*

WOE am 11:22 **Hydralazine Induces Stress Resistance and Extends C. Elegans Lifespan by Activating the NRF2/SKN-1 Signalling Pathway**; Hamid Mirzaei; *UT Southwestern, Dallas, TX*

WOE am 11:34 **Urine Proteomics for Biomarker Discovery in Neurodegenerative Disease**; Jenny Hällqvist[1]; Ross W. Paterson[2]; Robert Clayton[1]; Nick Fox[2]; Jonathan M. Schott[2]; Henrik Zetterberg[3, 5]; Amanda Heslegrave[3, 4]; Wendy Heywood[1]; Kevin Mills[1]; *[1]GOS Institute of Child Health, UCL, London, UK; [2]Dementia Research Centre, UCL IoN, London, UK; [3]Department of Molecular Neuroscience, UCL IoN, London, UK; [4]UK Dementia Research Institute at UCL, London, UK; [5]Clinical Neurochemistry Laboratory, SUH, Mölndal, Sweden*

WOE am 11:46 **Autoantigen Anoctamin 2 Associates with Increased Risk for Multiple Sclerosis**; Peter Nilsson; *KTH - Royal Institute of Technology, Solna, Sweden*

WOE am 11:58 **An update on the HUPO Brain Protein Project (HBPP)**; Klaus Oliver Schubert[1, 2]; Katrin Marcus[4]; Robert McCollumsmith[5]; Daniel Martins-De-Souza[6]; Charlotte Teunissen[7]; Peter Nilsson[3]; *[1]Univ of Adelaide, Adelaide, Australia; [2]Northern Adelaide Mental Health Service, Salisbury, Australia ; [3]KTH Royal Inst of Technology, Stockholm, Sweden; [4]Ruhr Univ, Bochum, Germany; [5]Univ of Toledo, Toledo, OH; [6]Univ of Campinas, Campinas, Brazil; [7]VU Univ, Amsterdam, Netherlands*

12:20 – 1:45 pm Wednesday
CORPORATE LUNCH SEMINARS or Lunch-on-your-own
RSVP Required for Corporate Lunch Seminars.

ThermoFisher SCIENTIFIC

Java Sea Room and South China Sea Room

MS Toolbox for Systems Biology:

- Understanding Interactions in Membrane Proteins – New Opportunities for Drug Discovery; Carol Robinson, *University of Oxford*

MS Targeted Assays:

- New Quantitative Proteomic Assays for Cancer Signaling Pathways Using Multiplex IP and Targeted Mass Spectrometry; Jonathan Krieger, *The Hospital for Sick Children*, and Bhavin Patel, *Thermo Fisher Scientific*

2:00 - 3:50 pm Wednesday
DRUG DISCOVERY
Session Chair: Mike Tyers
Oceana 8-10

WOA pm 2:00 **Protein Acylation Is a General Regulatory Mechanism in Biosynthetic Pathway of Acyl-CoA-Derived Bioactive Natural Products**; Minjia Tan; *Shanghai Institute of Materia Medica,, Shanghai, China*

WOA pm 2:20 **Interactome Rewiring following Pharmacological Targeting of BET Bromodomains**; Jean-Philippe Lambert[1]; Sarah Picaud[2]; Takao Fujisawa[3]; Huayun Hou[4]; Pavel Savitsky[2]; Liis Uusküla-Reimand[4]; Gagan D. Gupta[1]; Hala Abdouni[1]; Zhen-Yuan Lin[1]; Monika Tucholska[1]; James D.R. Knight[1]; Beatriz Gonzalez-Badillo[1]; Nicole St-Denis[1]; Joseph A. Newman[2]; Manuel Stucki[5]; Laurence Pelletier[1, 4]; Nuno Bandeira[6]; Michael D. Wilson[4, 4]; Panagis Filippakopoulos[2, 3]; Anne-Claude Gingras[1, 4]; *[1]Lunenfeld-Tanenbaum Research Inst at Mt Sinai Hosp, Toronto, Canada; [2]Structural Genomics Consortium, Oxford, UK; [3]Ludwig Institute for Cancer Research, Oxford, UK; [4]University of Toronto, Toronto, Canada; [5]University of Zurich, Schlieren, Switzerland; [6]University of California, San Diego, San Diego, CA*

WOA pm 2:40 **Multipronged Quantitative Proteomics Analyses Reveal Alterations in Kinase Activities as a Fundamental Mechanism of Action of Circadian Period Altering Drugs**; Sandipan Ray[1, 2]; Akhilesh B. Reddy[1]; *[1]The Francis Crick Institute, 1 Midland Road, London NW1 1AT, United Kingdom; [2]Institute of Neurology, University College London, Queen Square, London WC1N 3BG, United Kingdom*

WOA pm 2:52 **Limited Proteolysis as a Target Deconvolution Strategy in Mammals**; Nigel Beaton[1]; Roland Bruderer[1]; Ilaria Piazza[2]; Paola Picotti[2]; Lukas Reiter[1]; *[1]Biognosys, Schlieren, Switzerland; [2]ETH Zurich, Zurich, Switzerland*

WOA pm 3:04 **Drug Effects on Protein Homeostasis**; Nico Zinn[1]; Maria Faelth-Savitiski[1]; Mikhail Savitski[2]; Giovanna Bergamini[1]; Marcus Bantscheff[1]; *[1]Cellzome, A GSK company, Heidelberg, Germany; [2]EMBL, Heidelberg, Germany*

WOA pm 3:16 **Building a Toolkit for Studying the Orphan Kinome**; Laurie Parker[1]; Minervo Perez[1, 2]; John Blankenhorn[1]; Lindsay Breidenbach[1]; Hannah Peterson[1]; *[1]University of Minnesota, Minneapolis; [2]Purdue University, West Lafayette, IN*

2:00 - 3:50 pm Wednesday
NEW MASS SPEC TECHNOLOGIES
Session Chairs: Lissa Anderson and John Yates
Oceana 7

Livia Eberlin's invited talk is generously supported by

Journal of proteome research

WOB pm 2:00 **Development of the MasSpec Pen for Tissue Analysis and Cancer Diagnosis**; Livia Eberlin; *University of Texas, Austin, TX*

WOB pm 2:20 **The Important Role of Proteoforms in Human Health and Disease:The Significance and Relevance of the Cell-Based Human Proteome Project**; Neil Kelleher; *Northwestern University, Evanston, IL*

WOB pm 2:40 **Trapped Ion Mobility Mass Spectrometry for Improved Sensitivity and Fastest Proteomics**; Oliver Raether[1]; Markus Lubeck[1]; Heiner Koch[1]; Scarlet Koch[1]; Florian Meier[2]; Andreas Brunner[2]; Juergen Cox[2]; Matthias Mann[2]; *[1]Bruker Daltonik GmbH, Bremen, Germany; [2]Max Planck Institute of Biochemistry, Martinsried, Germany*

WOB pm 2:52 **EASI-tag Enables Accurate Multiplexed and Interference-free MS2-based Proteome Quantification**; Sebastian Virreira Winter; Florian Meier; Christoph Wichmann; Juergen Cox; Matthias Mann; Felix Meissner; *Max Planck Institute of Biochemistry, Martinsried/Munich, Germany*

WOB pm 3:04 **Molecularly Imprinted Polymers (MIPs) for the Detection of Low Abundance Proteins as Biomarkers for Lung Cancer**; Rachel Norman; Sergey Piletsky; Leong Ng; Antonio Guerreiro; Francesco Canfarotta; Donald Jones; *University of Leicester, Leicester, United Kingdom*

WOB pm 3:16 **Protein Analysis using Sub-Nanopore Sensors**; Mikhail Kolmogorov[1]; Gregory Timp[2]; Pavel Pevzner[1]; *[1]UC San Diego, La Jolla, California; [2]University of Notre Dame, Notre Dame, IN*

WOB pm 3:28 **MaxQuant Software for Ion Mobility Enhanced Shotgun Proteomics**; Nikita Prianichnikov[1]; Christoph Wichmann[1]; Scarlet Beck[2]; Heiner Koch[2]; Markus Lubeck[2]; Romano Hebeler[2]; Juergen Cox[1]; *[1]Max Planck Institute of Biochemistry, Martinsried, Germany; [2]Bruker Daltonik GmbH, Bremen, Germany*

2:00 - 3:50 pm Wednesday
METABOLISM
Session Chair: Robert Moritz
Oceana 6

WOC pm 2:00 **Lipids: Why Bother? From R&D to Clinical Applications**; Anne K. Bendt; Tze Ping Loh; Markus R. Wenk; *National University of Singapore, Singapore*

WOC pm 2:20 **Healthy Lipidome Is a Resource for Understanding Metabolic Diseases**; Andrej Shevchenko; *MPI of Molecular Cell Biology and Genetics, Dresden, Germany*

WOC pm 2:40 **Plasma Biomarkers of Cardiovascular Disease Associated with Type 1 Diabetes in Children**; Chantal Attard[1]; Stefan Bjelosevic[2]; Jasmine Wong[1]; Fergus Cameron[1, 3]; Paul Monagle[2, 3]; Vera Ignjatovic[1, 2]; *[1]Murdoch Children's Research Institute, Parkville, Australia; [2]The University of Melbourne, Parkville, Australia; [3]Royal Children's Hospital, Parkville, Australia*

WOC pm 2:52 **Multi-omic Profiling of the Liver in a Rat Model of Type 2 Diabetes**; Desmond Li[1]; Lauren Smith[1]; Yen Chin Koay[1, 2]; Holly McEwen[1, 3]; Anthony Don[1, 3]; John O'Sullivan[1, 2]; Stuart Cordwell[1]; Melanie White[1]; *[1]University of Sydney, Sydney, Australia; [2]Heart Research Institute, Sydney, Australia; [3]ACRF Centenary Cancer Research Centre, Sydney, Australia*

WOC pm 3:04 **Urinary Peptidomic Analysis Reveals Bioactive Uromodulin Peptides in Early Type 1 Diabetes**; Julie Van[1]; Sergi Clotet Freixas[2]; Xiaohua Zhou[1]; Ihor Batruch[3]; Etienne Sochett[1]; Farid Mahmud[1]; Eleftherios Diamandis[1, 3]; James Scholey[1, 2]; Ana Konvalinka[1, 2]; *[1]University of Toronto, Toronto, Canada; [2]University Health Network, Toronto, Canada; [3]Mount Sinai Hospital, Toronto, Canada*

WOC pm 3:16 **Elucidating Changes in Plasma Protein Profiles related to Bariatric Surgery: An IMI DIRECT Study**; Ragna Häussler[1]; Matilda Dale[1]; Mun-Gwan Hong[1]; Cecilia Thomas[1, 2]; Johann Gassenhuber[3]; Violeta Raverdy[4]; Francois Pattou[4]; Jochen Schwenk[1]; *[1]Science for Life Laboratory, Solna, Sweden; [2]The Novo Nordisk Foundation Center, Copenhagen, Denmark; [3]Sanofi-Aventis Deutschland GmbH, Frankfurt am Main, Germany; [4]Inserm U1190, Lille, France*

WOC pm 3:28 **A Systematic Map of Protein-Metabolite Interactions Reveals Principles of Chemical Communication**; Ilaria Piazza; Paola Picotti; *ETH Zurich, Zürich, Switzerland*

2:00 - 3:50 pm Wednesday
HPP: UNRAVELLING TISSUE PATHOLOGY THROUGH CELL MAPPING
Session Chairs: Justyna Fert-Bober and Emma Lundberg
Oceana 3-5

WOD pm 2:00 **Highly Multiplexed Imaging of Tissues with Subcellular Resolution by Imaging Mass Cytometry.**; Bernd Bodenmiller; *University of Zurich, Zurich, Switzerland*

WOD pm 2:30 **Integrated omics for Spatial Mapping of the Human Proteome - Understanding the Molecular Repertoire in Health and Disease**; Cecilia Lindskog; *Uppsala University, Uppsala, Sweden*

WOD pm 3:00 **Mass Spectrometry Imaging of the Metabolome and Lipidome Through Development of an Innovative Ionization Method**; David Muddiman; *North Carolina State University, Raleigh, NC*

WOD pm 3:20 **A High-Precision Tissue-based Mouse Proteome with BoxCar and Data-Independent Acquisition**; Florian Meier[1]; Oliver Bernhardt[2]; Marta Murgia[1]; Catherine Vasilopoulou[1]; Michael Wierer[1]; Lynn Verbeke[2]; Tejas Gandhi[2]; Lukas Reiter[2]; Matthias Mann[1]; *[1]MPI of Biochemistry, Martinsried, Germany; [2]Biognosys AG, Schlieren, CH*

2:00 - 3:50 pm Wednesday
PERSONALIZED WELLNESS
Session Chairs: Sanjeeva Srivastava and Mike Snyder
Oceana 1-2

WOE pm 2:00 **The Value of Imputing -Omics Data into Biobanks Linked to Electronic Health Records**; Nancy J. Cox; *Vanderbilt University, Nashville, TN*

WOE pm 2:20 **Proteomics Analysis in Context of Personal, Dense, Dynamic Data Clouds from Thousands of People**; Nathan Price; *Institute for Systems Biology, Seattle, WA*

WOE pm 2:40 **Integrative Proteomics and Transcriptomics for Personalized Wellness: Using Saliva and Blood to Monitor Immune Response in Individuals**; George Mias; *Michigan State Univesity, East Lansing, MI*

WOE pm 2:52 **Longitudinal Multi-omics Profiling in Insulin Resistant and Sensitive Prediabetic Population**; Sara Ahadi; Wenyu Zhou; Reza Sailani; Kevin Contrepois; Mike Snyder; *Stanford University, Palo Alto, CA*

WOE pm 3:04 **Advancing Mass Spectrometry-based Large-Cohort Proteomics for Precision Medicine: An International Cancer Moonshot Multi- Site Study**; Yue Xuan[1, 2]; Nicholas W. Bateman[3]; Sebastien Gallien[2, 14]; Yue Zhou[15]; Niyati Parikh[3]; Mo Hu[15]; Pedro Navarro[1]; Yuju Chen[4]; Albert Sickmann[5]; Bernd Wollscheid[6]; Connie R. Jimenez[7]; Martin R. Larsen[8]; Hu Zhou[9]; Siqi Liu[10]; Zhinan Chen[11]; Thomas Kislinger[12]; Ben Crossett[13]; Brian Hood[3]; Reta Birhanu Kitata[4]; Christin Lorenz[5]; Christina Loosse[5]; Sandra Goetze[6]; Sander Piersma[7]; Davide Chiasserini[7]; Muhammad Tahir[8]; Hongwen Zhu[9]; Guixue Hou[10]; Xiuxuan Sun[11]; Andrew Macklin[12]; Amanda Khoo[12]; Benjamin L. Parker[16]; Stuart J. Cordwell[16]; Thomas P. Conrads[3, 17]; *[1]Thermo Fisher Scientific (Bremen) GmbH, Bremen, Germany; [2]Thermo Fisher Precision Medicine Science Center, Cambridge, MA; [3]Gynecologic Cancer Center of Excellence, HJF, Bethesda, MD; [4]Institute of Chemistry, Academia Sinica, Taipei, Taiwan; [5]Leibniz-Institut für Analytische Wissenschaften, Dortmund, Germany; [6]Institute of Molecular Systems Biology (IMSB), ETH, Zurich, Switzerland; [7]Dept. Medical Oncolog,VU University Medical Center, Amsterdam, Netherlands; [8]Dept. Biochemistry and Molecular Biology, SDU, Odense, Denmark; [9]Shanghai Institute of Materia Medica, Shanghai, China; [10]BGI-SHENZHEN, Shenzhen, China; [11]The Fourth Military Medical University, Xi'an, China; [12]Princess Margaret Cancer Centre, Toronto, Canada; [13]Sydney Mass Spectrometry, The University of Sydney, Sydney, Australia; [14]Thermo Fisher Scientific, Paris, France; [15]Thermo Fisher Scientific (China) Co. Ltd, Shanghai, China; [16]School of Life and Environ. Sci., Univ. Sydney, Sydney, Australia; [17]The Inova Schar Cancer Institute, Annandale, VA*

WOE pm 3:16 **Mike Snyder**; *Stanford University, Stanford, CA*

WOE pm 3:*28* **Speaker Roundtable**

4:00 - 5:00 pm
HUPO AWARDS SESSION
Presentations for all HUPO Awards

5:00 - 5:30 pm Wednesday
WEDNESDAY AFTERNOON PLENARY
Session Chairs: Ileana Cristea
Oceana 6

Matthias Mann
Max-Planck Institute for Biochemistry

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Even-numbered posters present Tuesday.

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Poster 003 **Targeting Endothelial Erk1/2-Akt Axis as a Regeneration Strategy to Bypass Fibrosis during Chronic Liver Injury**; Ying Jiang; Yuanxiang Lao; Li Yanyan; He Fuchu; *Beijing Institute of Lifeomics, Beijing, China*

Poster 004 **An Update on the Human Plasma Proteome**; Jochen Schwenk[1]; Eric Deutsch[2]; *[1]Science for Life Laboratory, Solna, Sweden; [2]Institute for Systems Biology, Seattle, WA*

Poster 005 **SWATH-MS with Internal Landmarks for Quantitative Proteomics of Liver Cirrhosis Patient Urine**; Bo Xu[1]; Yoshitoshi Hirao[1]; Masaaki Takamura[2]; Keiko Yamamoto[1]; Amr Elguoshy[1]; Tadashi Yamamoto[1]; *[1]BBC, Niigata University, Niigata, Japan; [2]Div. of Gast. and Hepat., Niigata University, Niigata, Japan*

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Poster 007 **Early Candidate Urine Biomarkers for Detecting Alzheimer's Disease before Amyloid-β Plaque Deposition in an APP (swe)/PSEN1dE9 Transgenic Mouse Model**; Fanshuang Zhang[1]; Jing Wei[2]; Xundou Li[1]; Chao Ma[1]; Youhe Gao[2]; *[1]Basic Medicine Peking Union Medical College, Beijing, China; [2]Beijing Normal University, Beijing, China*

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Poster 009 **A Spectral-Library Based Quantitative Study of Protein Signatures to Predict Response of Pancreatic Cancer Patients Receiving Chemotherapy**; Hong Peng[1]; Ru Chen[2]; Teresa Brentnall[2]; Vincent Picozzi[3]; Sheng Pan[1]; *[1]The University of Texas Health Science Center, Houston, TX; [2]University of Washington, Seattle, WA; [3]Virginia Mason Medical Center, Seattle, WA*

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Poster 012 **Differences of Saliva Composition in Relation to Tooth Decay and Gender**; Lucie Kulhavá[1]; Adam Eckhardt[2]; Ivan Mikšík[2]; *[1]Faculty of Science, Charles University, Prague, Czech Republic; [2]Institute of Physiology, Prague, Czech Republic*

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Spectrometry; Injoon Yeo[1]; Hyunsoo Kim[2]; Areum Sohn[2]; Gi-Ae Kim[3]; Young-Suk Lim[4]; Youngsoo Kim[1]; *[1]Departments of Biomedical Engineering, Seoul National University College of Medicine, Seoul, Korea; [2]Departments of Biomedical Sciences, Seoul National University College of Medicine, Seoul, Korea; [3]Health Screening and Promotion Center, Asan Medical Center, Seoul, Korea; [4]Department of Gastroenterology, University of Ulsan College of Medicine, Seoul, Korea*

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and Cell Biology, UC, Coimbra, Portugal; [2]Institute for Interdisciplinary Research, UC, Coimbra, Portugal; [3]Faculty of Medicine, UC, Coimbra, Portugal; [4]Psychiatry Department, CHUC, Coimbra, Portugal

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Poster 029 **Identification of Diagnostic Biomarkers for Lung Cancer by Quantitative Proteomic Analysis**; Yan Ping Zhu; *Binzhou Medical University, Yantai, China*

Poster 030 **Identification of Differential Expression Proteins in Esophageal Cancer by Label-Free Quantitative Proteomics Analysis**; Xiaoying Qi; *Binzhou Medical University, Yantai, China*

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Poster 087 **Congenital Zika Syndrome (Microcephaly) Signature in Amniotic Fluid**; Gilberto B Domont[1]; Fabio CS Nogueira[1]; Rafael Melani[1]; Adriana SO Melo[2]; *[1]Fed Univ of Rio de Janeiro, Rio De Janeiro, Brazil; [2]IPESQ, Campina Grande, Brazil*

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[1]Cancer Proteomics Group, JFCR, Tokyo, Japan; [2]Department of Urology, Osaka University Graduate S, Osaka, Japan; [3]Division of Pathology, JFCR, Tokyo, Japan; [4]Pathology Project for Molecular Targets, JFCR, Tokyo, Japan

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Garcia. Benjamin A. ..... Poster 057
Garcia. Benjamin A. ..... TOC am 11:10
García Carranca. Alejandro ..... Poster 038
García Carranca. Alejandro ..... Poster 083
García-Arellano. Samuel ..... Poster 010
Garin-Muga. Alba ..... Poster 082
Garlid. Anders ..... Poster 073
Garred. Øystein ..... Poster 063
Garssen. Johan ..... MOB pm 3:16
Gassenhuber. Johann ..... WOC pm 3:16
Gaud. Guillaume ..... MOA am 11:22
Gautam. Poonam ..... Poster 060

Program Code: M, T, W = Day O = Oral Time Poster is followed by number of board space.

Gayen. Dipak ..... Poster 266
Gayen. Dipak ..... Poster 333
Ge. Ying ..... TOA pm 2:00
Gearing. Marla ..... MOA pm 3:16
Gebhardt. Christoph ..... Poster 223
Geiszler. Daniel ..... Poster 109
Geoghegan. Vincent ..... MOA am 11:46
Gericke. Adrian ..... Poster 346
Germain. Pierre-Luc ..... Poster 197
Germain. Ronald ..... TOD pm 2:20
Gerner. Christopher ..... MOA pm 2:20
Gessulat. Siegfried ..... Poster 132
Gethings. Lee ..... Poster 157
Gethings. Lee ..... Poster 147
Gethings. Lee ..... Poster 200
Gethings. Lee ..... Poster 194
Gethings. Lee ..... Poster 330
Gevaert. Kris ..... TOC pm 3:16
Geyer. Philipp E. ..... TOC pm 2:40
Ghadiali. James ..... Poster 350
Ghavidel. Fatemeh ..... Poster 199
Ghizoni. Enrico ..... Poster 202
Ghosh. Sudip ..... MOB pm 3:04
Ghosh. Sudip ..... Poster 272
Ghosh. Sudip ..... TOD pm 3:16
Giacomantonio. Michael ..... TOB am 11:22
Giai Gianetto. Quentin ..... Poster 335
Giannitsis. Evangelos ..... TOA pm 2:52
Gil. Concha ..... Poster 081
Gil. Concha ..... Poster 103
Gil. Concha ..... TOD pm 3:28
Gil. Jeovanis ..... Poster 038
Gil. Jeovanis ..... Poster 083
Gilbert. Thomas ..... Poster 343
Gilmore. Joshua ..... TOB pm 3:04
Gingeras. Thomas ..... Poster 198
Gingras. Anne-Claude ..... WOA pm 2:20
Gjerga. Enio ..... TOA am 11:46
Glass. Jennifer ..... TOE pm 2:52
Glover. Matthew ..... TOE pm 2:20
Goetze. Sandra ..... WOE pm 3:04
Goikoetxea-Usandizaga. Naroa ..... TOD am 11:34
Gombert. Michael ..... MOC am 11:34
Gomes-Neto. Francisco ..... Poster 355
Gomes-Neto. Francisco ..... Poster 135
Gómez Caudillo. Leopoldo ..... Poster 083
Gonczarowska-Jorge. Humberto .. Poster 228
Gonzalez De Peredo. Anne ... MOA am 11:22
Gonzalez-Badillo. Beatriz ..... WOA pm 2:20
Gonzalez-Freire. Marta ..... MOA pm 2:00
González-Gomariz. José ..... Poster 082
Gorol. Alexander ..... Poster 096
Goto. Naoko ..... Poster 303
Gotthardt. Michael ..... Poster 075
Gotti-Barban. Clarisse ..... Poster 141
Gotti-Barban. Clarisse ..... TOE pm 3:28
Gouw. Joost ..... MOB pm 3:16
Govender. Ireshyn ..... WOB am 11:34
Gramolini. Anthony ..... Poster 074
Gramolini. Anthony ..... Poster 077
Gramolini. Anthony ..... TOA pm 3:16
Granero. Ignacio ..... TOD am 11:10
Grãos. Mário ..... Poster 269
Grãos. Mário ..... WOB am 11:10
Graves. Lee ..... Poster 343
Greco. Todd ..... WOD am 11:22
Greco. Viviana ..... MOB pm 3:28
Greco. Viviana ..... Poster 246
Gregory. Brian D. ..... Poster 185
Griffin. Michael ..... TOC am 11:58
Griffin. Timothy ..... TOE pm 2:52
Griffiths. Rian ..... Poster 175
Griss. Johannes ..... Poster 113
Gritsenko. Marina ..... MOC am 11:22
Gritsenko. Marina ..... WOB am 10:50
Groenen. Peter M. A. ..... TOA am 11:46
Gronbach. Laura ..... Poster 023
Groppe. Brad ..... TOB pm 3:04
Gruber. Markus ..... MOE am 11:10
Grumstrup. Erik M. ..... TuesPlen am 8:30-9:00
Grus. Franz ..... Poster 346
Grus. Franz ..... Poster 023
Grus. Franz H. ..... Poster 225
Gstaiger. Matthias ..... Poster 292
Gstaiger. Matthias ..... TOA am 11:46
Guan. Xiaolong ..... Poster 006
Guan. Yuanfang ..... Poster 085
Guedj. Emmanuel ..... Poster 340
Guerreiro. Antonio ..... WOB pm 3:04
Guével. Blandine ..... Poster 089
Guillot. Laetitia ..... Poster 089
Gujar. Shashi ..... TOB am 11:22
Guldbrandsen. Astrid ..... Poster 203
Gunasekera. Kapila ..... Poster 274
Gundry. Rebekah L. ..... TOD pm 2:52
Guo. Hongbo ..... Poster 077
Guo. Tiannan ..... Poster 146
Gupta. Gagan D. ..... WOA pm 2:20
Gupta. Meera ..... MOE am 11:34
Gupta. Rajat ..... Poster 291
Gupta. Shubham ..... Poster 142
Gurevich. Alexey ..... Poster 173
Gurnani. Komal ..... Poster 176
Guruceaga. Elizabeth ..... Poster 082
Gusmara. Claudia ..... MOB pm 3:28
Gusmara. Claudia ..... Poster 246
Gutierrez de Juan. Virginia ..... TOD am 11:34
Guzmán Partida. Ana María ..... Poster 179
Gygi. Steve ..... TOB am 11:22
H. Valente. Richard ..... Poster 135
Haab. Brian ..... MOC am 10:50
Hacohen. Nir ..... TOB am 11:10
Hadipour-Lakmehsari. Sina ..... Poster 077
Hadipour-Lakmehsari. Sina ..... Poster 074
Hadipour-Lakmehsari. Sina ..... TOA pm 3:16
Haga. Yoshimi ..... Poster 170
Hager. Jörg ..... MOB pm 2:52
Hägglund. Per ..... Poster 255
Hahn. Stephan ..... Poster 258
Hains. Peter ..... Poster 146
Hains. Peter G ..... Poster 044
Halford. Julia ..... WOB am 11:46
Hällqvist. Jenny ..... WOE am 11:34
Hamilton. Chad ..... TOE am 11:10
Hammer. Helen ..... Poster 035
Han. Chia-Li ..... Poster 284
Han. Chia-Li ..... Poster 098
Han. Dohyun ..... MOC am 11:46
Han. Dohyun ..... Poster 018
Han. Eun Hee ..... Poster 022
Han. Youngmin ..... Poster 018
Handa. James ..... WOD am 11:22
Hanessian. Stephen ..... WOA am 11:34
Hansen. Joshua ..... MOB am 11:34
Hansson. Jenny ..... Poster 273
Hao. Piliang ..... Poster 090
Hao. Yue ..... Poster 279
Hardt. Wolf-Dietrich ..... Poster 197
Hardy. Marie-Pierre ..... TOD pm 3:04
Harenza. Jo Lynne ..... Poster 057
Harman. Victoria ..... Poster 358
Harmange. Guillaume ..... WOC am 11:10
Harper. J. Wade ..... Poster 295
Hartigan. Christina ..... TOB am 11:10
Hasan. Beena ..... Poster 301
Haseeb. Abid ..... Poster 339
Haslam. Stuart ..... Poster 169
Hathazi. Denisa ..... Poster 229
Hattem. Gaye ..... Poster 068
Hattori. Emi ..... Poster 133
Haugen. Mads H. ..... Poster 063
Haukaas. Tonje H. ..... Poster 063
Haupt. Alexander ..... TOA am 11:58
Haura. Eric ..... MOA am 11:10
Haura. Eric ..... MOE pm 2:52
Haura. Eric B. ..... Poster 062
Häussler. Ragna ..... WOC pm 3:16
Haviv. Yitzhak ..... TOD pm 2:40
Hayes. Sarah ..... Poster 071
He. Fuchu ..... Poster 193
He. Han ..... Poster 337
He. Lin ..... Poster 177
He. Simin ..... Poster 167
He. Si-min ..... Poster 227
He. Si-Min ..... Poster 120
He. Xiang ..... MOB am 11:46
He. Yanbin ..... Poster 090
He. Zonglin ..... MOC am 10:50
Hebeler. Romano ..... WOB pm 3:28
Hebeler. Romano ..... WOC am 11:58
Hebert. Alexander S. ..... TOC pm 3:28
Hébert. Marie-Josée ..... TOE am 11:34
Heemst. Diana van ..... MOA pm 2:40
Heeren. Ron M A ..... Poster 174
Heijjer. Sam ..... MOB pm 3:16
Heinzmann. Daniel ..... Poster 045
Helbling. Paul ..... TOC pm 2:00
Hélie. Marie-Claude ..... TOE pm 3:28
Hellwig. Nils ..... TOC am 10:30
Helm. Barbara ..... Poster 096
Helm. Dominic ..... MOC pm 3:04
Helm. Dominic ..... Poster 311
Hemmi Valente. Richard ..... Poster 355
Hendrickson. Christopher ..... Poster 357
Henriques. David ..... TOA am 11:22
Heo. Sunny ..... Poster 036
Hermjakob. Henning ..... Poster 113
Hermjakob. Henning ..... Poster 125
Hernaez. Maria Luisa ..... Poster 081
Hernandez. Erik T. ..... WOC am 10:50
Hernández Oñate. Miguel Ángel ... Poster 179
Hernández Ortiz. Magdalena ..... Poster 083
Hernández-Palma. Luis Alexis ..... Poster 010
Hernychova. Lenka ..... Poster 101
Herring. Laura ..... Poster 343
Herring. Laura ..... TOA pm 3:04
Herrmann. Christin ..... Poster 259
Herzog. Rebecca ..... Poster 106
Heslegrave. Amanda ..... WOE am 11:34
Hess. Sonja ..... TOE pm 2:20
Hevler. Johannes ..... Poster 311
Hewett. Duncan ..... TOE am 11:22
Heywood. Wendy ..... Poster 285
Heywood. Wendy ..... TOA pm 2:40
Heywood. Wendy ..... WOB am 11:22
Heywood. Wendy ..... WOE am 11:34
Heywood. Wendy E. ..... MOA pm 2:40
Hickling. Kevin ..... Poster 011
Higashi. Yoshimi ..... Poster 154
Hilario Berenguer Matos. Alexandre .... Poster 206
Hildebrand. Joanne ..... TOC am 11:58
Hill. Michelle ..... TOD am 11:22
Hilliard. Jamese ..... TOE pm 2:20
Hinkson. Izumi ..... MOE pm 3:28
Hinneburg. Hannes ..... Poster 164
Hinneburg. Hannes ..... Poster 169
Hirao. Yoshitoshi ..... MOD am 11:34

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Hirao. Yoshitoshi ..... Poster 031
Hirao. Yoshitoshi ..... Poster 032
Hirao. Yoshitoshi ..... Poster 235
Hirao. Yoshitoshi ..... Poster 005
Ho. Ming-Lung ..... Poster 310
Hober. Andreas ..... Poster 331
Hoeng. Julia ..... Poster 340
Hoerning. Ole ..... TOC pm 2:40
Hoffmann. Peter ..... Poster 280
Hoffmann. Peter ..... TOC pm 3:04
Höglander. Elen K. ..... Poster 063
Hogrebe. Alexander ..... MOC pm 3:04
Hohenstein. Anita ..... Poster 268
Hohenstein. Anita ..... TOB am 11:34
Holada. Karel ..... Poster 099
Holck. Michael ..... MOE pm 3:28
Honda. Kazufumi ..... Poster 069
Honda. Kazufumi ..... Poster 067
Hong. Mun-Gwan ..... WOC pm 3:16
Hood. Brian ..... WOE pm 3:04
Hoopmann. Michael ..... Poster 137
Hoopmann. Michael R. ..... Poster 138
Horn. David ..... Poster 356
Horvatovich. Peter ..... MOD am 11:58
Horvatovich. Peter ..... Poster 119
Hosfield. Chris ..... Poster 302
Hosp. Fabian ..... Poster 237
Hottiger. Michael ..... Poster 274
Hou. Guixue ..... Poster 201
Hou. Guixue ..... WOE pm 3:04
Hou. Huayun ..... WOA pm 2:20
Hou. Kexia ..... Poster 090
Hourdel. Véronique ..... Poster 335
Howard. Timothy ..... TOE pm 3:04
Howell. Viive ..... Poster 071
Hsiao. Yung-Chin ..... Poster 019
Hsiao. Yung-Chin ..... Poster 020
Hsiao. Yung-Chin ..... Poster 325
Hsieh. Teh-Sheng ..... Poster 048
Hsieh. Yu-Heng ..... Poster 048
Hsieh. Yu-Mei ..... Poster 310
Hsueh. Pei-Chun ..... Poster 184
Hu. Honghua ..... Poster 309
Hu. Mo ..... Poster 024
Hu. Mo ..... WOE pm 3:04
Hu. Yingwei ..... MOC pm 2:52
Hu. Yingwei ..... Poster 265
Hu. Yingwei ..... Poster 161
Hu. Yingwei ..... Poster 056
Hu. Yingwei ..... Poster 163
Huang. Chih-Jung ..... Poster 048
Huang. He ..... MOC pm 2:40
Huang. He ..... Poster 261
Huang. He ..... Poster 332
Huang. Honggang ..... Poster 253
Huang. Jiangming ..... Poster 166
Huang. Jing ..... Poster 261
Huang. Ruimin ..... Poster 337
Huang. Ting ..... MOE am 11:46
Huang. Ting ..... Poster 145
Huang. Vincent ..... Poster 070
Huang. Yi ..... Poster 252
Huang. Ying ..... MOC am 10:50
Huang. Zi-Ming ..... Poster 098
Huard. Caroline ..... TOA am 10:50
Huber. Nicolas ..... MOA pm 3:28
Hudson. Amanda ..... Poster 071
Huebsch. Matt ..... Poster 140
Huerta Ocampo. José Ángel ..... Poster 179
Huerta-Ocampo. Jose Angel ..... Poster 281
Hughes. Christopher ..... Poster 147
Hughes. Christopher ..... Poster 157
Hughes. Christopher ..... Poster 330
Hughes. James ..... Poster 175
Huguet. Romain ..... Poster 217
Huguet. Romain ..... TOC pm 3:28
Huhmer. Andreas ..... Poster 339
Huhmer. Andreas ..... Poster 338
Huhmer. Andreas ..... Poster 132
Huhmer. Andreas ..... Poster 317
Hulthe. Kristina Thomsson ..... Poster 160
Hunt. Donald ..... Poster 357
Hunter. Christie ..... Poster 254
Hunter. Christie ..... Poster 218
Hunter. Christie ..... Poster 139
Hunter. Christie ..... Poster 183
Hunter. Christie ..... Poster 140
Husain. Bushra ..... Poster 288
Huss. Mikael ..... Poster 063
Hüttenhain. Ruth ..... MOD am 11:46
Hwang. Heeyoun ..... Poster 086
Hwang. Heeyoun ..... WOD am 11:34
Hwang. Hui-Yun ..... WOA am 11:10
Iansante. Valeria ..... Poster 285
Idrees. Sobia ..... Poster 124
Ignatchenko. Vladimir ..... Poster 070
Ignjatovic. Vera ..... MOA pm 2:52
Ignjatovic. Vera ..... Poster 275
Ignjatovic. Vera ..... WOC pm 2:40
Ikeda. Atsushi ..... MOC am 11:10
Ilchenko. Sergei ..... Poster 126
Illing. Patricia ..... Poster 180
Imami. Koshi ..... Poster 230
Impens. Francis ..... TOC pm 3:16
Inamura. Kentaro ..... Poster 170
Ingvar. Christian ..... MOD am 11:58
Inoue. Takaomi ..... Poster 303
Iruzubieta. Paula ..... TOD am 11:34
Ishihama. Yasushi ..... Poster 230
Ison. Jon ..... Poster 108
Ivanov. Nikolai ..... Poster 340
Iwai. Leo ..... Poster 213
Iwai. Leo Kei ..... Poster 058
Izumi. Victoria ..... MOE pm 2:52
Jacobs. Paul ..... Poster 216
Jacobs. Paul ..... TOC pm 3:16
Jacobson. Annette ..... TOC am 11:58
Jacques. Jean-Fancois ..... WOE am 11:10
Jacques. Jean-François ..... Poster 270
Jagr. Michal ..... Poster 212
Jagtap. Pratik ..... TOE pm 2:52
Jaiswal. Urja ..... Poster 102
James. Eddie A. ..... TOB am 11:46
Janasek. Dirk ..... Poster 229
Janečková. Hana ..... Poster 256
Jang. Jin-Young ..... Poster 117
Jang. Jin-Young ..... Poster 018
Jans. Daniel C. ..... Poster 063
Jansen. Petra ..... Poster 093
Janssen. Kevin ..... Poster 189
Janssen. Kevin A. ..... Poster 185
Jarnuczak. Andrew ..... Poster 199
Jarnuczak. Andrew ..... TOB pm 3:16
Jassinskaja. Maria ..... Poster 273
Javier Blanco García. Francisco ... Poster 002
Jenkins. Rosalind ..... Poster 180
Jensen. Anne-Christine Bay ..... Poster 255
Jensen. Devon ..... Poster 350
Jensen. Penny ..... Poster 338
Jensen. Penny ..... Poster 339
Jeong. Hwangkyo ..... Poster 307
Jeong. Hwangkyo ..... Poster 306
Jeong. Ji Eun ..... Poster 086
Jeong. Ji Eun ..... WOD am 11:34
Jeong. Seul-Ki ..... Poster 088
Jevtic. Stefan ..... Poster 052
Jezova. Marta ..... Poster 101
Jha. Asmita ..... TuesPlen am 8:30-9:00
Jheng. Yu-Teng ..... Poster 098
Ji. EunSun ..... Poster 080
Ji. Ming ..... Poster 332
Jiang. Biyun ..... Poster 166
Jiang. He-Wei ..... Poster 247
Jiang. Hui ..... TOD am 11:22
Jiang. Ying ..... Poster 003
Jimenez. Connie R. ..... WOE pm 3:04
Jin. Chunsheng ..... Poster 160
Jin. Jie ..... Poster 092
Jingushi. Kentaro ..... MOC am 11:10
Jo. Juandy ..... MOB pm 3:16
Johansson. Emil ..... Poster 273
Johansson. Henrik. J ..... Poster 063
John. Rohan ..... Poster 104
John. Rohan ..... TOE am 11:34
Johnson. Amber M. ..... WOC am 10:50
Johnson. James ..... TOE pm 2:52
Jones. Andrew ..... Poster 112
Jones. Arianna ..... Poster 140
Jones. Donald ..... WOB pm 3:04
Jones Lipinski. Rachel A ..... TOD pm 2:52
Jones-Nelson. Omari ..... TOE pm 2:20
Jönsson. Göran ..... MOD am 11:58
Joos. Thomas ..... Poster 035
Jordaan. Justin ..... Poster 222
Jordan. Johannes ..... TOA am 11:58
Jouhyun. Jouhyun ..... Poster 070
Ju. Shinyeong ..... Poster 277
Jukes-Jones. Rebekah ..... Poster 041
Jung. Jinwoo ..... Poster 017
Jung. Sung ..... MOC pm 3:16
Jung. Sung ..... Poster 042
Jurisica. Igor ..... Poster 104
Jurisica. Igor ..... TOE am 11:34
Just. Seth ..... Poster 144
Kagan. Jacob ..... TOE am 11:58
Kale. Abhijit ..... MOA pm 3:04
Kalinowski. Jörn ..... Poster 035
Käll. Lukas ..... TOB pm 2:40
Kamlage. Beate ..... Poster 191
Kandhavelu. Jeyalakshmi ..... Poster 321
Kang. Jeong-Won ..... Poster 061
Kang. Min Jueng ..... Poster 016
Kang. Young Mook ..... Poster 086
Kang. Young-Mook ..... Poster 152
Kao. Jennifer ..... Poster 052
Kapil. Santosh ..... Poster 183
Kaplan. Pauline ..... TOD pm 2:20
Karch. Kelly ..... Poster 091
Karch. Kelly ..... TOC am 11:10
Karlíková. Radana ..... Poster 256
Karlsson. Niclas G ..... Poster 160
Kasler. Herbert ..... MOA pm 3:04
Kassem. Sahar ..... MOA am 11:22
kastaniegaard. Kenneth ..... Poster 248
Kasumov. Takhar ..... Poster 126
Katam. Ramesh ..... Poster 329
Katam. Ramesh ..... Poster 149
Kaur. Gurjeet ..... TOC pm 3:04
Kawauchi. Daisuke ..... MOC am 11:34
Ke. Ming ..... Poster 105
Kelleher. Neil ..... WOB pm 2:20
Keller. Andreas ..... WOD am 10:30
Keller. Andrew ..... MOB am 10:30
Kelly. Brian ..... MOA am 11:10
Kelly. Isabelle ..... TOE pm 3:28
Kelly. Ryan ..... Poster 351
Kelly. Ryan ..... WOC am 11:46
Kelsall. Janet ..... Poster 011
Kempf. Tibor ..... TOA pm 2:52

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Kendsersky. Nathan M. ..... Poster 057
Kennedy. Michelle ..... MOD pm 3:00
Keppel. Theodore R. ..... TOD pm 2:52
Kers. Jesper ..... Poster 093
Kersten. Wilhelmus ..... TOC am 11:58
Keshishian. Hasmik ..... TOB am 11:10
Keskin. Derin ..... TOB am 11:10
Kessler. Benedikt M. ..... WOA am 10:30
Kessler. Nikolas ..... Poster 182
Kessler. Thomas ..... Poster 045
Ketchum. Karen ..... MOE pm 3:28
Khan. Amber ..... Poster 321
Khan. Asif Manzoor ..... Poster 211
Khan. Ayesha ..... Poster 301
Khattar. Nikkita ..... WOC am 11:34
Khoo. Amanda ..... Poster 070
Khoo. Amanda ..... WOE pm 3:04
Khoo. Kai-Hooi ..... Poster 169
Kil. Yong J. ..... Poster 111
Kilpatrick. Lisa ..... Poster 318
Kim. Beom-Jun ..... MOC pm 3:16
Kim. Chae-Yeon ..... Poster 088
Kim. Da Hye (Julia) ..... Poster 074
Kim. Dong Wook ..... Poster 342
Kim. Eui Tae ..... Poster 243
Kim. Eun Sil ..... Poster 306
Kim. Eun Sil ..... Poster 307
Kim. Gi-Ae ..... Poster 013
Kim. Hark ..... Poster 061
Kim. Hyunsoo ..... Poster 018
Kim. Hyunsoo ..... Poster 322
Kim. Hyunsoo ..... Poster 013
Kim. Hyunsoo ..... Poster 117
Kim. Hyunsoo ..... Poster 323
Kim. Jae-Young ..... Poster 359
Kim. Jin Young ..... Poster 152
Kim. Jin Young ..... Poster 086
Kim. Jin Young ..... Poster 080
Kim. Jin Young ..... WOA am 11:10
Kim. Jin Young ..... WOD am 11:34
Kim. Kwangsoo ..... MOC am 11:46
Kim. Kyung-Kon ..... Poster 307
Kim. Kyung-Kon ..... Poster 306
Kim. S. Joseph ..... TOE am 11:34
Kim. Tae Young ..... Poster 080
Kim. Tae Young ..... Poster 079
Kim. Yang Soo ..... Poster 306
Kim. Yang Soo ..... Poster 307
Kim. Yonghyo ..... Poster 079
Kim. Yoseop ..... Poster 322
Kim. Yoseop ..... Poster 117
Kim. Youngsoo ..... Poster 013
Kim. Youngsoo ..... Poster 322
Kim. Youngsoo ..... Poster 018
Kim. Youngsoo ..... Poster 117
Kim. Youngsoo ..... Poster 323
Kim. Youra ..... TOB am 11:22
Kim. Yunee ..... Poster 070
Kimoto. Emi ..... Poster 326
King. Adam ..... Poster 200
Kinsinger. Christopher ..... MOC am 11:22
Kinsinger. Christopher R. ..... MOE pm 3:28
Kirk. Jason ..... Poster 011
Kirkpatrick. Donald ..... MOE am 11:22
Kirkpatrick. Joanna ..... MOA pm 3:28
Kirkpatrick. Joanna ..... Poster 145
Kisaki. Carolina Yukiko ..... Poster 058
Kislinger. Thomas ..... Poster 070
Kislinger. Thomas ..... WOE pm 3:04
Kitano. Eduardo ..... Poster 037
Kitata. Reta Birhanu ..... WOE pm 3:04
Kito. Keiji ..... Poster 233
Klaeger. Susan ..... TOB am 11:10
Klingmüller. Ursula ..... Poster 096
Knaute. Tobias ..... Poster 078
Knight. James D.R. ..... WOA pm 2:20
Knippels. Léon ..... MOB pm 3:16
Knol. Jan ..... MOB pm 3:16
Knol. Wouter ..... Poster 093
Knulst. André ..... MOB pm 3:16
Ko. Byoung Joon ..... Poster 158
Koay. Yen Chin ..... Poster 190
Koay. Yen Chin ..... WOC pm 2:52
Koch. Heiner ..... Poster 251
Koch. Heiner ..... Poster 223
Koch. Heiner ..... Poster 221
Koch. Heiner ..... Poster 319
Koch. Heiner ..... WOB pm 2:40
Koch. Heiner ..... WOB pm 3:28
Koch. Heiner ..... WOC am 11:58
Koch. Scarlet ..... Poster 221
Koch. Scarlet ..... Poster 251
Koch. Scarlet ..... Poster 319
Koch. Scarlet ..... Poster 223
Koch. Scarlet ..... WOB pm 2:40
Koch. Scarlet ..... WOC am 11:58
Kockmann. Tobias ..... WOA am 11:46
Kocylowski. Maciej ..... TOA am 11:58
Kolarich. Daniel ..... Poster 169
Kollewe. Astrid ..... TOA am 11:58
Kolmeder. Carolin ..... TOE pm 2:52
Kolmogorov. Mikhail ..... WOB pm 3:16
Komatsu. Setsuko ..... MOB pm 2:20
Konda. Prathyusha ..... TOB am 11:22
Kondethimmanahalli. Chandramouli .... Poster 245
Kondo. Tadashi ..... Poster 133
Kong. Andy ..... Poster 109
Konijnenberg. Albert ..... Poster 354
Konvalinka. Ana ..... Poster 104
Konvalinka. Ana ..... TOE am 11:34
Konvalinka. Ana ..... WOC pm 3:04
Kool. Marcel ..... MOC am 11:34
Koomen. John ..... MOE pm 2:52
Koomen. John M. ..... Poster 062
Korbut. Ryszard ..... Poster 072
Kori. Yekaterina ..... Poster 298
Korshunov. Andrey ..... MOC am 11:34
Kosinski. Thomas ..... Poster 251
Kosinski. Thomas ..... Poster 319
Kosinski. Thomas ..... Poster 223
Kotlyar. Max ..... Poster 104
Kowalewski. Daniel ..... TOB am 11:22
Kownatzki-Danger. Daniel ..... Poster 075
Kramer. Marianne ..... Poster 185
Kratochwill. Klaus ..... Poster 106
Kreher. Félix ..... Poster 335
Kreibich. Saskia ..... Poster 197
Kremer. Erica ..... MOB pm 3:16
Kremer. Magdalena ..... Poster 291
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Krützfeldt. Louisa ..... Poster 045
Ku. Wei-Chi ..... Poster 048
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Kumar. Praveen ..... TOE pm 2:52
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Kuster. Bernhard ..... MOC pm 3:04
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Kuzmanov. Uros ..... Poster 074
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Kuzmanov. Uros ..... TOA pm 3:16
Kvasnicka. Hans-Michael ..... MOC pm 3:04
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Kwon. Ho Jeong ..... Poster 079
Kwon. Ho Jeong ..... WOA am 11:10
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Kyle. Jennifer ..... WOC am 11:46
L. G. Rocha. Surza ..... Poster 135
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Lacombe. Maud ..... Poster 028
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Lai. Chi-Ting ..... Poster 284
Lai. Janice ..... Poster 350
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Larsen. Martin ..... Poster 253
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Larsson. Goran ..... Poster 169
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Lau. Edward ..... Poster 110
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Lavallée-Adam. Mathieu ..... TOB pm 3:28
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Lavigne. Régis ..... Poster 089
LeBlanc. Andre ..... Poster 348
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Lee. Chloe ..... Poster 131
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Lee. Kwangwon ..... Poster 126
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Lee. SooYoun ..... Poster 086
Lehembre. Francois ..... TOA am 11:46
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Li. Jianjun ..... Poster 176
Li. Jing ..... Poster 024
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Li. Linghui ..... Poster 006
Li. Ming ..... TOB pm 2:20
Li. Qing Kay ..... MOD pm 3:15
Li. Sujun ..... Poster 128
Li. Sujun ..... Poster 181
Li. Xiao-Jun ..... Poster 006
Li. Xiaoling ..... Poster 332
Li. Xinping ..... Poster 209
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Li. Yilin ..... Poster 156
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Liang. Yuxue ..... Poster 263
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Lin. Yu-Tsun ..... Poster 015
Lin. Yuxiang ..... Poster 049
Lin. Zhen-Yuan ..... WOA pm 2:20
Lin. Zhilong ..... Poster 090
Lin Shiao. Enrique ..... Poster 043
Lindskog. Cecilia ..... WOD pm 2:30
Lingjærde. Ole Christian ..... Poster 063
Link. Marek ..... Poster 256
Lin-Shiao. Enrique ..... TOC am 11:10
Linton. Kim ..... Poster 011
Lippincott. Jacob ..... Poster 144
Liu. Chao ..... Poster 120
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Liu. Guorui ..... Poster 006
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Livingstone. Julie ..... Poster 070
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Loh. Tze Ping ..... WOC pm 2:00
Lomeo. Katie ..... Poster 107
Lomonte. Bruno ..... Poster 135
Long. Stephen ..... Poster 318
Loo. Joseph ..... Poster 358
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Loosse. Christina ..... WOE pm 3:04
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Lopes. Mariana ..... Poster 189
Lopes Cendes. Iscia ..... Poster 202
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Lopez. Mayra ..... MOD pm 3:30
Lopez-Ferrer. Daniel ..... Poster 313
Lopez-Ferrer. Daniel ..... Poster 356
Lopez-Ferrer. Daniel ..... Poster 314
Lopez-Garcia. Laura A. ..... TOC pm 2:00
Lopitz-Otsoa. Fernando ..... TOD am 11:34
Lorenz. Christin ..... WOE pm 3:04
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Lu. Shelly ..... Poster 267
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Lu. Yu-Ting ..... Poster 014
Lubeck. Markus ..... Poster 221
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Lubeck. Markus ..... WOC am 11:58
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Lukong. Kiven ..... Poster 068
Lum. Krystal ..... TOB am 11:58
Lum. Krystal ..... TOE pm 3:04
Lund. Peder ..... Poster 189
Lund. Peder J. ..... Poster 298
Lundberg. Emma ..... Poster 352
Lundberg. Emma ..... WOC am 10:30
Lundgre. Lotta ..... MOD am 11:58
Luo. Ching-Shan ..... Poster 098
Luo. Minzhen ..... Poster 310
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Lynch. Cian ..... TOD am 11:58
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Macedo. António ..... Poster 027
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Macklin. Andrew ..... Poster 070
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Mahboob. Sadia ..... Poster 044
Mahdessian. Diana ..... Poster 352
Mahmud. Farid ..... WOC pm 3:04
Mailand. Niels ..... Poster 291
Maisha. Mackean ..... Poster 191
Maitra. Anirban ..... MOC am 10:50
Makaju. Aman ..... TOA pm 3:28
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Mallory. Michael J. ..... MOE pm 2:40
Malm. Johan ..... MOD am 11:58
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Manicam. Caroline ..... Poster 346
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Mann. Matthias ..... WOB pm 2:52
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Mansfeld. Jörg ..... Poster 249
Marchetti. Piero ..... Poster 178
Marchione. Dylan ..... Poster 065
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Marcilla. Miguel ..... Poster 081
Marcotte. Edward ..... TOA am 11:34
Marcotte. Edward M. ..... WOC am 10:50
Marcoux. Judith ..... TOE pm 3:28
Marcus. Katrin ..... WOE am 11:58
Marder. Sandra ..... TOC pm 2:00
Mardis. Elaine R. ..... TOE am 10:50
Mariotti. Michele ..... Poster 134
Maris. John M. ..... Poster 057
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Marko-Varga. Gyorgy ..... Poster 208
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Martens. Lennart ..... TOE pm 2:00
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Martinez-Martin. Nadia ..... Poster 288
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Masuda. Mari ..... Poster 303
Mateus. Andre ..... Poster 311
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Mathea. Sebastian ..... WOA am 10:30
Mathieu. Chantal ..... Poster 178
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Mato. José M. ..... TOD am 11:34
Matondo. Mariette ..... Poster 335
Mavri-Damelin. Demetra ..... WOB am 11:34
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Maxwell. G. Larry ..... TOE am 11:10
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McAlister. Graeme ..... Poster 217
McAlister. Graeme C. ..... TOC pm 3:28
McCafferty. Conor ..... MOA pm 2:52
Mcclary. Kyle ..... Poster 001
McCollumsmith. Robert ..... WOE am 11:58
McCracken. Alison ..... WOA am 11:34
McCreath. Lauren ..... TOA pm 3:28
McDermott. Jason ..... MOC am 11:22
McEvoy. Caitriona ..... Poster 104
McEwen. Holly ..... Poster 190
McEwen. Holly ..... WOC pm 2:52
McManus. Francis ..... Poster 271
McManus. Kirsty ..... Poster 150
Medzihradszky. Katalin ..... Poster 169
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Mehnert. Martin ..... Poster 292
Mehta. Subina ..... TOE pm 2:52
Meier. Florian ..... Poster 286
Meier. Florian ..... Poster 221
Meier. Florian ..... Poster 319
Meier. Florian ..... TOC pm 2:40
Meier. Florian ..... WOB pm 2:52
Meier. Florian ..... WOB pm 2:40
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Meier. Florian ..... WOD pm 3:20
Meier-Credo. Christian ..... Poster 223
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Meissner. Felix ..... WOB pm 2:52
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Melani. Rafael ..... Poster 087
Meléndez. Loyda ..... Poster 305
Mellor. Howard ..... Poster 011
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Mendoza. Luis ..... Poster 122
Mendoza. Mariel ..... Poster 043
Meng. Chen ..... MOC pm 3:04
Meng. Xiaoli ..... Poster 180
Mentz. Almut ..... Poster 035
Mercer. Roger ..... Poster 239
Mercier. Audrey ..... MOC am 11:34
Mesa. Tania ..... MOE pm 2:52
Mesuere. Bart ..... TOE pm 2:52
Metz. Thomas ..... WOB am 10:50
Meulenbroek. Laura ..... MOB pm 3:16
Meyer. Frauke ..... MOC am 11:34
Meyer. Sven ..... Poster 182
Meyer. Tanja ..... TOE pm 3:16
Meyyappan. Visa ..... Poster 220
Mhawech-Fauceglia. Paulette ..... Poster 059
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Miah. Md Sayem ..... MOA am 11:34
Miah. Md Sayem ..... Poster 068
Miah. Sayem ..... Poster 293
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Michalik. Stephan ..... TOE pm 3:16
Michel. Cole ..... Poster 268
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Miharada. Kenichi ..... MOD am 11:58
Mikšík. Ivan ..... Poster 012
Milani. Emanuela ..... MOB am 11:22
Miles. Gareth J ..... Poster 041
Miliotis. Tasso ..... Poster 331
Millls. Kevin ..... WOB am 11:22
Mills. Gordon B. ..... Poster 063
Mills. Kevin ..... MOA pm 2:40
Mills. Kevin ..... Poster 285
Mills. Kevin ..... TOA pm 2:40
Mills. Kevin ..... WOE am 11:34
Minde. David-Paul ..... TOC am 11:22
Miranda F. Souza. Jaques ..... Poster 207
Mirhadi. Shideh ..... Poster 055
Mirokhin. Yuri A. ..... Poster 263
Mironova. Polina ..... MOB pm 2:52
Mirza. Bilal ..... Poster 073
Mirzaei. Hamid ..... WOE am 11:22
Mishra. Neetu ..... Poster 060
Mitra. Shamik ..... MOD am 11:58
mitsui. Toshiaki ..... Poster 031
Mittal. Parul ..... TOC pm 3:04
Mittal. Sanraj ..... Poster 001
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Miura. Nami ..... Poster 069
Miyoshi. Eiji ..... Poster 153
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Moaddel. Ruin ..... MOA pm 2:00
Mohamed. Ahmed ..... TOD am 11:22
Mohamedali. Abidali ..... Poster 053
Mohamedali. Abidali ..... TOB pm 2:52
Mohammed. Yassene ..... Poster 348
Mohammed-Ali. Zahraa ..... TOE am 11:34
Mohimani. Hosein ..... Poster 173
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Molendijk. Jeffrey ..... TOD am 11:22
Møller-Nielsen. Maja ..... Poster 205
Molloy. Billy ..... Poster 194
Molloy. Mark ..... Poster 309
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Monagle. Paul ..... Poster 275
Monagle. Paul ..... WOC pm 2:40
Monetti. Mara ..... Poster 257
Monroe. Matthew ..... MOC am 11:22
Monsarrat. Bernard ..... MOA am 11:22
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Moore. Ronald ..... WOB am 10:50
Morais. Sofia ..... Poster 027
Moran. Michael ..... Poster 055
Moran. Michael F. ..... Poster 338
Morato Do Canto. Amanda ..... Poster 206
Morato Do Canto. Amanda ..... Poster 202
Moreno. Yurany ..... TOE am 11:22
Morgner. Nina ..... TOC am 10:30
Morgun. Andrey ..... TOE pm 2:40
Moritz. Robert ..... Poster 122
Moritz. Robert ..... Poster 137
Moritz. Robert ..... TOD pm 2:00
Moritz. Robert L. ..... Poster 138
Morrice. Nick ..... Poster 218
Morrice. Nick ..... Poster 139
Morrice. Nick ..... Poster 140
Morrice. Nick A. ..... Poster 089
Moss. Christopher L. ..... Poster 138
Motamedchaboki. Khatereh ..... Poster 183
Mouapi. Kelly ..... MOD pm 3:30
Muddiman. David ..... WOD pm 3:00
Mudge. Jonathan ..... Poster 198
Muelbaier. Marcel ..... WOA am 11:22
Mueller. Torsten ..... Poster 197
Mukhopadhyay. Sangita ..... Poster 160
Muley. Thomas ..... Poster 096
Müller. Sebastian ..... MOB pm 2:52
Müller. Sebastian ..... Poster 330
Muñoz. Javier ..... TOD am 11:58
Muñoz-Valle. José Francisco ..... Poster 010
Muntel. Jan ..... MOB pm 2:52
Muntel. Jan ..... Poster 145
Muradyan. Artur ..... Poster 045
Murgia. Marta ..... WOD pm 3:20
Murphy. James ..... TOC am 11:58
Murphy. Patrick ..... TOB am 11:22
Murray. Laura ..... MOC pm 3:28
Murugan. Vel ..... Poster 084
Mushtaq. Shamim ..... Poster 100
Mylne. Joshua S. ..... Poster 173
Na. Seungjin ..... Poster 192
Nagabushan. Sumanth ..... Poster 044
Naicker. Previn ..... Poster 222
Naisbitt. Dean ..... Poster 180
Najgebauer. Hanna ..... Poster 199
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Nakano. Miyako ..... Poster 154
Nakayasu. Ernesto ..... WOB am 10:50
Namai. Noel ..... MOE pm 3:16
Nardin Weis. Simone ..... Poster 207
Narducci. Domenic Nicholas..... Poster 220
Narita. Takeo ..... Poster 291
Narula. Kanika ..... MOB pm 3:04
Narula. Kanika ..... Poster 272
Narula. Kanika ..... TOD pm 3:16
Nataly Rijensky. Nataly..... TOD pm 2:40
Natorska. Joanna..... Poster 072
Naume. Bjørn..... Poster 063
Navankasattusas. Sutip ..... TOA pm 3:28
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Navarro. Pedro ..... WOE pm 3:04
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Ng. Leong ..... WOB pm 3:04
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Niziolek. Zach ..... WOC am 11:10
Nogueira. Fabio ..... Poster 208
Nogueira. Fabio Cesar Souza ..... Poster 327
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Nolan. Garry P. ..... TOA am 10:30
Nombela. César..... Poster 103
Nombela. César..... TOD pm 3:28
Nonomura. Norio ..... Poster 170
Noor. Zainab ..... TOB pm 2:52
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Nuccio. Arthur ..... TOE pm 2:40
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O. Ricart. Carlos André..... Poster 207
O'Brian. Ben ..... WOB am 11:22
Ochoa. David ..... TOB pm 3:16
Oda. Miyo ..... Poster 154
Oehler. Martin K..... TOC pm 3:04
Oellerich. Thomas..... MOC pm 3:04
Ogata. Kosuke ..... Poster 230
Ogunbolude. Yetunde..... Poster 068
Oh. Yumi..... Poster 307
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Ohnishi. Naomi ..... MOC am 11:10
Ohnishi. Naomi ..... Poster 021
Okonechnikov. Konstantin ..... MOC am 11:34
Ölander. Magnus ..... Poster 328
Oliviera. Sergio ..... MOB pm 3:16
Olofsson. Linnea ..... TOA am 10:50
Olsson. Håkan ..... MOD am 11:58
Olszanecki. Rafał..... Poster 072
Omenn. Gilbert ..... Poster 127
Omenn. Gilbert ..... Poster 085
Omenn. Gilbert ..... TOC am 11:34
Ondrej. Martin ..... Poster 256
Onidani. Kaoru ..... Poster 069
Onidani. Kaoru ..... Poster 067
Önnerfjord. Patrik..... Poster 002
Op De Beeck. Jeff..... Poster 216
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Orchard. Sandra ..... Poster 129
Ori. Alessandro ..... MOA pm 3:28
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Orre. Lukas M. ..... Poster 063
Ortega Lozano. Ariadna..... Poster 083
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O'Sullivan. John ..... WOC pm 2:52
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Overall. Christopher ..... MOC pm 2:20
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Overall. Christopher ..... Poster 127
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P. Y. Lam. Maggie ..... Poster 002
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Packer. Nicolle H. ..... Poster 164
Packer. Nicolle H. ..... Poster 169
Paek. Eunok ..... Poster 192
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Paik. Young-Ki ..... Poster 127
Paik. Young-Ki ..... Poster 088
Paik. Young-Ki ..... WOD am 11:34
Pal. Ramavati ..... Poster 008
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Palmisano. Giuseppe..... Poster 164
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Pan. Jianbo..... Poster 163
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Pan. Seung Hyun..... Poster 079
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Panthier. Jean-Jacques ..... Poster 335
Papadopoulos. Nickolas ..... MOC am 10:30
Pappin. Darryl ..... Poster 220
Paradela. Alberto ..... TOD am 11:10
Pardo. Sammy ..... Poster 144
Pareek. Akanksha..... Poster 196
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Park. B. Kevin ..... Poster 180
Park. Gun Wook..... Poster 152
Park. Jin ..... Poster 084
Parker. Benjamin L. ..... WOE pm 3:04
Parker. Laurie ..... WOA pm 3:16
Paron. Igor ..... TOC pm 2:40
Partyka. Katie..... MOC am 10:50
Pascariu. Mirela Cristina ..... Poster 271
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Pascovici. Dana ..... Poster 053
Pass. Harvey I..... Poster 107
Pastrello. Chiara ..... Poster 104
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Patel. Bhavin..... Poster 341
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Patel. Vimal..... WOB am 11:22
Paterson. Ross W. ..... WOE am 11:34
Patrick. Pedrioli ..... Poster 146
Pattou. Francois..... WOC pm 3:16
Paulo. Joao ..... TOB am 11:22
Pauwels. Jarne ..... TOC pm 3:16
Pavlakis. Nick..... Poster 071
Pavlou. Maria ..... TOC pm 2:00
Pavon Romero. Fernando Gandhi Poster 281
Pawel. Bruce..... Poster 057
Pawlowski. Krzysztof ..... MOD am 11:58
Pawlowski. Krzysztof ..... Poster 119
Payne. Samuel..... MOC am 11:22
Pearson. Mackenzie ..... Poster 183
Pedrioli. Patrick ..... Poster 131
Pedrioli. Patrick ..... TOD pm 2:00
Peetz. Oliver ..... TOC am 10:30
Peitsch. Manuel ..... Poster 340
Pelletier. Laurence ..... WOA pm 2:20
Pence. Lisa ..... Poster 191
Peng. Hong..... Poster 009
Penick. Emily ..... Poster 059
Pennington. Stephen ..... MOD am 10:30
Pennisi. Angela..... TOE am 11:46
Penny. Clement ..... Poster 321
Perales. Jonas ..... Poster 355
Perales. Jonas ..... Poster 135
Peranteau. William..... Poster 234
Perez. Minervo..... WOA pm 3:16
Perez-Neut. Mathew ..... MOC pm 2:40
Perez-Riverol. Yasset ..... Poster 113
Perez-Riverol. Yasset ..... Poster 199
Perlman. David ..... WOC am 11:10
Perreault. Claude..... TOB am 10:50
Perreault. Claude..... TOD pm 3:04
Persson. Lukas ..... MOA am 11:58
Perumal. Natarajan ..... Poster 023
Perumal. Natarajan ..... Poster 225
Perumal. Natarajan ..... Poster 346
Peshkin. Leonid ..... MOE am 11:34
Pessotti. Dayelle ..... Poster 051
Peterson. Hannah ..... WOA pm 3:16
Petrak. Jiri ..... Poster 046
Petrak. Jiri ..... Poster 099
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Petrovics. Gyorgy..... TOE am 11:58
Pettersson. Fredrik..... MOE pm 2:52
Petyuk. Vladislav..... MOC am 11:22
Pevzner. Pavel..... WOB pm 3:16
Pevzner. Pavel A. ..... MOE pm 2:00
Pevzner. Pavel A. ..... Poster 173
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Pfeiffer. Norbert..... Poster 346
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Pfeiffer. Norbert..... Poster 023
Pfister. Stefan M. ..... MOC am 11:34

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Phinney. Karen ..... Poster 318
Phu. Lilian ..... MOE am 11:22
Piazza. Ilaria ..... WOA pm 2:52
Piazza. Ilaria ..... WOC pm 3:28
Picard. Daniel ..... MOC am 11:34
Picaud. Sarah ..... WOA pm 2:20
Pich. Andreas ..... TOA pm 2:52
Pichler. Garwin ..... Poster 237
Picotti. Paola ..... WOA pm 2:52
Picotti. Paola ..... WOC pm 3:28
Picozzi. Vincent ..... Poster 009
Piehowski. Paul ..... WOB am 10:50
Piehowski. Paul ..... WOC am 11:46
Piersma. Sander ..... WOE pm 3:04
Pietrosemoli. Natalia ..... Poster 335
Piganelli. Jon ..... TOB am 11:46
Piletsky. Sergey ..... WOB pm 3:04
Pillai. Dr.Thulasi ..... Poster 155
Pimienta. Genaro ..... Poster 240
Pimkova. Kristyna ..... Poster 273
Pineau. Charles ..... Poster 089
Ping. Lingyan ..... MOA pm 3:16
Ping. Peipei ..... Poster 073
Ping. Peipei ..... TOA pm 2:20
Pinto-Fernandez. Adan ..... WOA am 10:30
Piras. Cristian ..... MOB pm 3:28
Piras. Cristian ..... Poster 246
Pitarch. Aida ..... Poster 103
Pitarch. Aida ..... TOD pm 3:28
Pla Parada. Indira ..... MOD am 11:58
Planz. Oliver ..... TOD pm 2:00
Pluess. Carla ..... Poster 136
Plumb. Robert ..... Poster 200
Plumb. Robert ..... Poster 330
Plumb. Robert ..... Poster 194
Plumb. Robert S. ..... Poster 147
Podolak. Jennifer ..... Poster 351
Poetz. Oliver ..... Poster 348
Polaske. Nathan ..... MOA am 11:10
Polten. Felix ..... TOA pm 2:52
Popp. Robert ..... Poster 348
Pötz. Oliver ..... Poster 035
Poullet. Patrick ..... MOC am 11:34
Poulos. Rebecca ..... Poster 146
Poulos. Rebecca C ..... Poster 044
Poulsen. Thomas Bouet Guldbæk Poster 248
Pouponnot. Celio ..... MOC am 11:34
Powell. Gerard ..... Poster 150
Powell. Roger ..... Poster 268
Prakash. Om ..... Poster 239
Prasad. Satendra ..... Poster 217
Prasad. Satendra ..... TOC pm 3:28
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Prianichnikov. Nikita ..... WOB pm 3:28
Price. Nathan ..... WOE pm 2:20
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Pullman. Benjamin ..... Poster 121
Purcell. Anthony ..... Poster 180
Pynn. Christopher ..... Poster 226
Qi. Shankang ..... Poster 261
Qi. Xiaoying ..... Poster 030
Qian. Jiang ..... Poster 161
Qian. Jiang ..... Poster 163
Qian. Jiang ..... Poster 056
Qian. Wei-Jun ..... TOE am 11:58
Qian. Xiaohong ..... Poster 252
Qiao. Rui ..... TOB pm 2:20
Qin. Jun ..... MOC pm 3:16
Qin. Jun ..... Poster 006
Qin. Jun ..... Poster 034
Qin. Nan ..... MOC am 11:34
Qu. Bingqian ..... MOB am 11:22
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R Larsen. Martin ..... Poster 205
R. Larsen. Martin ..... Poster 244
R. Mól. Alan ..... Poster 207
Radaoui. Alexander B. ..... Poster 057
Radford. John ..... Poster 011
Raether. Oliver ..... WOB pm 2:40
Rahman. Md Arifur ..... Poster 309
Raisch. Jennifer ..... WOE am 11:10
Ramadurai. Dinesh ..... TOA pm 3:28
Ramakrishna. Manasa ..... TOC am 11:22
Ramaswamy. Vijay ..... MOC am 11:34
Ramen. Pichai ..... Poster 057
Rameshwaram. Nagender Rao .... Poster 160
Ramírez. Graciela ..... Poster 038
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Rammensee. Hans-Georg ..... TOD pm 2:00
Ramos-Fernandez. Antoni ..... Poster 081
Ranganathan. Shoba ..... TOB pm 2:52
Rangaswamy. Udaya ..... TOE pm 2:20
Rashid. Naim ..... Poster 343
Ratcliffe. Aline ..... Poster 023
Räther. Oliver ..... Poster 221
Rathi. Divya ..... Poster 196
Rathi. Komal S. ..... Poster 057
Raverdy. Violeta ..... WOC pm 3:16
Ray. Sandipan ..... WOA pm 2:40
Reboll. Marc ..... TOA pm 2:52
Recuero. Saulo ..... Poster 164
Reddel. Roger ..... Poster 044
Reddel. Roger ..... Poster 146
Reddy. Kambham R ..... Poster 149
Reed. Danielle ..... WOD am 10:50
Reid. Shelby ..... TOE am 11:34
Reifenberger. Guido ..... MOC am 11:34
Reimer. Ulf ..... Poster 132
Reimer. Ulf ..... Poster 078
Reinhardt-Szyba. Maria ..... Poster 354
Reiter. Lukas ..... MOB pm 2:52
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Remeš. Philip ..... Poster 217
Remke. Marc ..... MOC am 11:34
Ren. Yan ..... Poster 090
Ren. Yan ..... Poster 201
Ren. Yan ..... Poster 105
Renz. Imke ..... TOA am 11:46
Rewers. Marian ..... WOB am 10:50
Rey. Felix ..... Poster 335
Rezeli. Melinda ..... MOD am 11:58
Rezeli. Melinda ..... Poster 208
Rezeli. Melinda ..... Poster 262
Rezeli. Melinda ..... Poster 079
Rijkers. Erikjan ..... WOA am 11:58
Rijnierse. Anneke ..... MOB pm 3:16
Rinner. Oliver ..... Poster 045
Rivard. Nathalie ..... WOE am 11:10
Rivera. César ..... Poster 039
Rivera. Jaime ..... MOC am 11:34
Roberts. Blaine ..... TOC pm 2:52
Robinson. Aaron ..... Poster 267
Robinson. Bruce ..... Poster 107
Robinson. Carol V. ..... SunPlen 6:00
Robinson. Phil ..... Poster 146
Robinson. Phillip J ..... Poster 044
Robinson. Renã ..... Poster 202
Robitaille. Aaron ..... Poster 314
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Rocha. Beatriz ..... Poster 174
Roche Lima. Abiel ..... Poster 305
Rodland. Karin ..... MOC am 11:22
Rodland. Karin ..... MOE pm 2:20
Rodland. Karin ..... TOE am 11:58
Rodrigues. A. David ..... Poster 326
Rodrigues. Pedro Mendes A ..... Poster 327
Rodriguez. Henry ..... MOC am 11:22
Rodriguez. Jimmy ..... Poster 262
Rodriguez. Maria ..... Poster 146
Rodríguez Martínez. María ..... Poster 131
Roehrl. Michael ..... MOD am 11:10
Roest. Hannes ..... Poster 146
Rogerio. Fabio ..... Poster 202
Rogers. John ..... Poster 338
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Rogstad. Sarah ..... Poster 191
Romerio. Fabio ..... MOB am 11:10
Romerio. Fabio ..... WOB am 11:58
Roncada. Paola ..... MOB pm 3:28
Roncada. Paola ..... Poster 246
Roncagalli. Romain ..... MOA am 11:22
Rookyard. Alexander ..... Poster 264
Roos. Andreas ..... Poster 228
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Rosa-Fernandes. Livia ..... Poster 205
Rosa-Fernandes. Livia ..... Poster 244
Rosenberger. George ..... Poster 146
Rosenblatt. Michael ..... Poster 302
Rosenfeld. David ..... Poster 350
Rosmini. Stefania ..... WOB am 11:22
Rosner. Inger ..... TOE am 11:58
Ross. Karen ..... Poster 062
Röst. Hannes ..... Poster 221
Roth. Adrian ..... Poster 136
Roth. Patrick ..... TOD pm 2:00
Roubalova. Lenka ..... Poster 212
Roucou. Xavier ..... Poster 270
Roucou. Xavier ..... WOE am 11:10
Roumeliotis. Theodoros ..... Poster 249
Roux-Dalvai. Florence ..... Poster 141
Roux-Dalvai. Florence ..... TOE pm 3:28
Roy. Kallol Kumar ..... Poster 102
Royle. Louise ..... Poster 162
Röst. Hannes ..... Poster 142
Ruan. Guan ..... Poster 146
Rubin. Eitan ..... TOD pm 2:40
Rudd. Pauline ..... Poster 162
Rudney. Joel ..... TOE pm 2:52
Rudnick. Paul A ..... MOE pm 3:28
Rudolph. Johannes ... TuesPlen am 8:30-9:00
Ruehl. Martin ..... Poster 226
Ruff. Paul ..... Poster 321
Ruiz-Romero. Cristina ..... Poster 002
Ruiz-Romero. Cristina ..... Poster 174
Rupp. Niels ..... Poster 146
Ruprecht. Benjamin ..... MOC pm 3:04
Russnes. Hege G. ..... Poster 063
Ryaboshapkina. Maria ..... Poster 331
Ryan Good. Charly ..... Poster 043
Ryazanova. Lillia ..... MOE am 11:34
Ryu. Han Suk ..... MOC am 11:46
S Beckman. Joseph ..... TOC pm 2:52
S. Kitano. Eduardo ..... Poster 051
S. Soares. Barbara ..... Poster 135
Sá. Jamile ..... Poster 039
Saba. Julian ..... Poster 354
Sabala. Lúcia ..... Poster 269
Sabinis. Renuka ..... Poster 338

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Sadygov. Rovshan..... Poster 126
Saez-Rodriguez. Julio..... Poster 197
Saez-Rodriguez. Julio..... TOA am 11:22
Saez-Rodriguez. Julio..... TOA am 11:46
Sahlberg. Kristine K. ..... Poster 063
Sahota. Surinder S ..... TOE am 11:22
Sailani. Reza..... WOE pm 2:52
Saiman. Yedidya..... Poster 189
Sajic. Tatjana ..... Poster 131
Sajulga. Ray ..... TOE pm 2:52
Sakuma. Rebeca ..... Poster 244
Sakuma. Rebeca Kawahara ..... Poster 164
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Salgado Ramírez. Carla ..... Poster 305
Šalovská. Barbora ..... Poster 256
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Samaras. Patroklos ..... Poster 132
Sanabria-Salas. Carolina..... Poster 026
Sandalova. Elena..... MOB pm 3:16
Sandow. Jarrod..... TOC am 11:58
Sangro. Bruno..... TOD am 11:10
Santa. Cátia ..... Poster 027
Santos de Oliveira. Gilberto..... Poster 244
Santos-Silva. Alan ..... Poster 039
Saoudi. Abdelhadi..... MOA am 11:22
Sap. Karen..... WOA am 11:58
Saraf. Anita ..... Poster 068
Sardiu. Mihaela..... MOA am 11:34
Sardiu. Mihaela..... Poster 068
Sardiu. Mihaela..... TOB pm 3:04
Saris. Wim H.M. ..... MOB pm 2:52
Sarkizova. Siranush..... TOB am 11:10
Sarracino. Dave ..... Poster 341
Sauer. Torill ..... Poster 063
Sauer. Uwe ..... TOA am 11:22
Savickas. Simonas ..... WOA am 11:46
Savitski. Mikhail ..... Poster 311
Savitski. Mikhail ..... WOA pm 3:04
Savitsky. Pavel ..... WOA pm 2:20
Sawa. Masaaki ..... Poster 303
Schaefer. Alexander ..... TOA am 11:46
Scheich. Sebastian ..... MOC pm 3:04
Schepmoes. Athena ..... TOE am 11:58
Schepmoes. Athena ..... WOB am 10:50
Schilling. Birgit ..... MOA pm 3:04
Schilling. Birgit ..... Poster 299
Schilling. Birgit ..... Poster 254
Schirmacher. Daniel ..... Poster 146
Schlage. Walter ..... Poster 340
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Schmelter. Carsten ..... Poster 225
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Schneider. Marc..... Poster 096
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Schofield. Abigail ..... WOA am 10:30
Scholey. James ..... WOC pm 3:04
Schork. Karin ..... Poster 258
Schork. Nicholas J. ..... TOE am 10:30
Schott. Jonathan M. ..... WOE am 11:34
Schriemer. David ..... TOC am 10:50
Schryvers. Anthony B. ..... TOC am 10:50
Schubert. Klaus Oliver ..... Poster 280
Schubert. Klaus Oliver ..... WOE am 11:58
Schulte. Uwe..... TOA am 11:58
Schuman. Erin ..... Poster 251
Schuster. Heiko ..... TOB am 11:22
Schuster. Heiko ..... TOD pm 2:00
Schütte. Moritz..... Poster 045
Schwacke. Lori ..... Poster 231
Schwambach Vieira. Andre ..... Poster 206
Schwämmle. Veit ..... Poster 108
Schweiger-Hufnagel. Ulrike ..... Poster 182
Schwenk. Jochen..... Poster 232
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Schwenk. Jochen..... Poster 127
Schwenk. Jochen..... WOC pm 3:16
Schwenk. Jochen M..... MOA pm 2:52
Schweppe. Devin..... MOB am 10:30
Scieranski. Maya ..... Poster 023
Scigelova. Michaela..... Poster 101
Scott. Danielle..... Poster 151
Searle. Brian ..... Poster 144
Searle. Jonathan..... TOA pm 2:40
Seedat. Faheem ..... WOB am 11:34
Segars. James..... TOE am 11:10
Segura. Victor ..... Poster 082
Seifert. Michael ..... Poster 197
Selevsek. Nathalie ..... Poster 136
Sellman. Bret R..... TOE pm 2:20
Selzman. Craig ..... TOA pm 3:28
Semba. Richard ..... WOD am 11:22
Semmes. John..... Poster 070
Sennblad. Bengt ..... Poster 063
Senolt. Ladislav ..... Poster 255
Serafin. Belinda ..... Poster 044
Sernissi. Lorenzo ..... WOA am 11:34
Serrano. Guillermo..... Poster 082
Serrano. Manuel ..... TOD am 11:58
Serrano-Maciá. Marina ..... TOD am 11:34
Sesterhenn. Isabell ..... TOE am 11:58
Sevilla. Cristoffer..... Poster 125
Sewer. Alain..... Poster 340
Seyfried. Nicholas..... MOA pm 3:16
Seyfried. Nicholas..... Poster 214
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Shah. Punit ..... MOC pm 2:52
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Shan. Baozhen ..... Poster 177
Shan. Baozhen ..... TOB pm 2:20
Shao. Wenguang ..... Poster 146
Shao. Wenguang ..... TOD pm 2:00
Shardell. Michelle ..... MOA pm 2:00
Sharma. Kundan..... Poster 040
Sharma. Mandvi..... Poster 255
Sharma. Parveen..... Poster 077
Sharma. Samridhi ..... WOD am 11:46
Sharma. Tanvi ..... MOC am 11:34
Shaw. Jared..... TOC pm 2:52
Shaw. Lindsey ..... Poster 242
Shen. Huali ..... Poster 167
Shen. Huali ..... Poster 076
Shen. Huali ..... TOD am 11:46
Shen. Pan ..... Poster 193
Shen. Sean ..... WOB am 11:46
Shen. Yufeng ..... Poster 224
Sheng. Xinlei..... MOC pm 3:28
Sheng. Xinlei..... Poster 316
Shevchenko. Andrej..... WOC pm 2:20
Shi. Tujin..... TOE am 11:58
Shibahara. Takahiko..... Poster 069
Shiozawa. Kumiko ..... Poster 133
Shoichet. Brian..... MOD am 11:46
Shraga. Netta..... TOD pm 2:40
Shteynberg. David ..... Poster 138
Shteynberg. David ..... Poster 137
Shufelt. Chrisandra ..... MOD pm 3:30
Shulzhenko. Natalia..... TOE pm 2:40
Shum. Eleen Y. ..... Poster 350
Shwe. Henry ..... Poster 316
Siavelis. Ioannis..... Poster 063
Sickmann. Albert..... Poster 229
Sickmann. Albert..... Poster 228
Sickmann. Albert..... WOE pm 3:04
Siddiqui. Nikhat Ahmed..... Poster 301
Siddiqui. Omer ..... Poster 085
Sidiropoulos. Kostas ..... Poster 125
Sidoli. Simone ..... MOE pm 2:40
Sidoli. Simone ..... Poster 298
Sidoli. Simone ..... Poster 057
Sidoli. Simone ..... Poster 243
Sidoli. Simone ..... Poster 064
Sidoli. Simone ..... Poster 324
Sidoli. Simone ..... TOC am 11:10
Sieber. Laura ..... MOC am 11:34
Sierro. Nicolas..... Poster 340
Silke. John ..... TOC am 11:58
Silveira. Joshua..... Poster 217
Simithy. Johayra ..... Poster 189
Simon. Dominique..... Poster 335
Simón. Jorge..... TOD am 11:34
Singh. Rakesh..... Poster 239
Singhal. Deepak..... MOE pm 3:28
Singhi. Aatur ..... MOC am 10:50
Sinha. Ankit..... Poster 070
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Sinicropi-Yao. Sara L ..... Poster 107
Siraj. Fouzia ..... Poster 060
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Sitek. Barbara ..... Poster 258
Skipp. Paul..... Poster 345
Skudas. Romas..... Poster 143
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Slavov. Nikolai ..... WOC am 11:10
Slebos. Robbert ..... MOE pm 2:52
Slee. Elizabeth ..... Poster 040
Sloan Bena. Frederique ..... Poster 197
Smarr. Larry ..... Poster 173
Smith. Brian ..... TOC am 11:58
Smith. Lauren..... Poster 190
Smith. Lauren..... WOC pm 2:52
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Smith. Richard ..... MOC am 11:22
Smith. Richard ..... Poster 351
Smith. Richard ..... TOE am 11:58
Smith. Richard ..... WOB am 10:50
Smith. Sarah ..... Poster 189
Snijder. Joost ..... TOC pm 2:20
Snovida. Sergei..... Poster 315
Snovida. Sergei..... Poster 219
Snovida. Sergei..... Poster 314
Snyder. Michael P..... Poster 127
Snyder. Mike ..... WOE pm 2:52
Snyder. Nathaniel ..... Poster 189
So. Minkyung ..... Poster 158
Socciarelli. Fabio..... Poster 063
Sochett. Etienne..... WOC pm 3:04
Soggiu. Alessio ..... MOB pm 3:28
Soggiu. Alessio ..... Poster 246
Sohn. Areum ..... Poster 013
Sohn. Areum ..... Poster 323
Sohn. Areum ..... Poster 322
Somyajit. Kumar..... Poster 291
Son. Minsoo ..... Poster 322

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Song. Bokai ..... TOB am 11:58
Song. Lei..... Poster 006
Song. Qingyu ..... Poster 217
Song. Xiaomin ..... Poster 275
Song. Yeong Wook..... Poster 017
Song. Yingjie..... TOE am 11:58
Sonnett. Matthew..... Poster 336
Sontag. Ryan ..... MOB am 11:34
Sorg. Isabel..... Poster 197
South. Marie ..... Poster 011
Souza. Tatiana..... Poster 135
Specht. Harrison ..... WOC am 11:10
Spiegel. Brennan ..... MOD pm 3:30
Spiro. Oliver ..... TOB am 11:10
Spruill. Laura..... Poster 151
Srikumar. Tharan ..... Poster 316
Sripathi. Srinivas..... WOD am 11:22
Srivastava. Sanjeeva ..... Poster 195
Srivastava. Sanjeeva ..... Poster 054
Srivastava. Shiv ..... TOE am 11:58
Srivastava. Sudhir..... MOC am 11:58
Srivastava. Sudhir..... TOE am 11:58
Srougi. Miguel..... Poster 164
Sruggs. Sarah..... Poster 073
Sta. Alexandre ..... MOC am 11:34
Staal. Ben ..... MOC am 10:50
Stachowicz. Aneta ..... Poster 072
Staes. An ..... TOC pm 3:16
Stahel. Rolf A. ..... Poster 107
Stanfill. Bryan..... WOB am 10:50
Stanlie. Andre ..... Poster 291
St-Cyr. Daniel ..... TOA am 10:50
St-Denis. Nicole ..... WOA pm 2:20
Stein. Frank ..... Poster 311
Stein. Stephen E..... Poster 263
Steinbrueck. Clara ..... TOA am 11:58
Steinhilber. Andreas ..... Poster 035
Stensballe. Allan ..... Poster 248
Stepath. Markus..... Poster 258
Stevanovic. Stefan..... TOB am 11:22
Stevens, PhD. Raymond C..... Poster 001
Stewart. Paul ..... MOE pm 2:52
Stewart. Paul A ..... Poster 062
Stewart. Peter..... MOD am 10:50
Stokes. Matthew ..... Poster 254
Stokes. Matthew P..... Poster 250
Stoll. Thomas..... TOD am 11:22
Stover. C. Ken ..... TOE pm 2:20
Stoychev. Stoyan..... Poster 321
Stoychev. Stoyan..... Poster 222
Stoychev. Stoyan..... WOB am 11:34
Straßburger. Lars..... Poster 346
Stucki. Manuel ..... WOA pm 2:20
Stupak. Jacek ..... Poster 176
Subramanian. KUMAR ..... Poster 321
Sugihara. Yutaka ..... MOD am 11:58
Sugihara. Yutaka ..... Poster 079
Sugiyama. Naoyuki..... Poster 230
Sugiyama. Taiki ..... Poster 153
Sui. Yuanyuan ..... Poster 090
Sullivan. Devin..... Poster 352
Sun. Changqing ..... Poster 034
Sun. Jinchun ..... Poster 191
Sun. Nianrong..... Poster 260
Sun. Rui ..... Poster 146
Sun. Rui-Xiang..... Poster 120
Sun. Shisheng ..... Poster 161
Sun. Xiuxuan ..... WOE pm 3:04
Sun. Ye-Hsuan ..... Poster 015
Sung. Ting-Yi ..... Poster 118
Sung. Ting-Yi ..... Poster 284
Suski. Maciej..... Poster 072
Svensson. Birte..... Poster 255
Svitek. Marek ..... Poster 099
Svoboda. Petr ..... Poster 212
Swaminathan. Jagannath ..... WOC am 10:50
Swanson. Selene..... Poster 130
Swart. Remco ..... Poster 226
Syrris. Petros ..... WOB am 11:22
Szasz. Marcell ..... MOD am 11:58
Szasz. Marcell ..... Poster 079
Szczygiel. Magdalena..... Poster 096
Szeinbaum. Nadia ..... TOE pm 2:52
Szostak. Justyna..... Poster 340
Tabor. David E. ..... TOE pm 2:20
Tahir. Muhammad..... WOE pm 3:04
Tailor. Arun ..... Poster 180
Takahashi. Shiro..... Poster 153
Takamura. Masaaki ..... Poster 005
Takemori. Ayako..... Poster 358
Takemori. Nobuaki..... Poster 358
Takeuchi. Kengo..... Poster 170
Tamietti. Carole ..... Poster 335
Tan. Guang-Ming..... Poster 120
Tan. Minjia ..... WOA pm 2:00
Tang. Haixu ..... Poster 181
Tang. Haixu ..... Poster 128
Tang. Shuang ..... Poster 332
Tang. Yanyang ..... Poster 300
Tanzer. Maria..... TOC am 11:58
Tao. Sheng-Ce ..... MOB am 11:46
Tao. Sheng-Ce ..... Poster 238
Tarney. Christopher ..... TOE am 11:10
Tashima. Alexandre..... Poster 037
Tavares-Brum. Alexandre..... TOE am 11:34
Tayal. Rajul..... TOD pm 3:16
Taylor. Michael D. ..... MOC am 11:34
Taylor S.. Cohen..... TOE pm 2:20
Tchekhovskoi. Dmitrii V. ..... Poster 263
Tedeschi. Helder..... Poster 202
Teer. Jamie..... MOE pm 2:52
Teixeira-Ferreira. André..... Poster 355
Teo. Guo Ci ..... Poster 109
Teppo. Jaakko S..... WOC am 11:22
Teran. Luis Manuel..... Poster 281
Terán Juárez. Luis Manuel ..... Poster 179
Testa. Giuseppe ..... Poster 197
Teunissen. Charlotte..... WOE am 11:58
Thangudu. Ratna R ..... MOE pm 3:28
Tharakan. Ravi ..... MOA pm 2:00
Thatikonda. Venu..... MOC am 11:34
Thaysen-Andersen. Morten ..... Poster 164
Thaysen-Andersen. Morten ..... Poster 169
The. Matthew ..... TOB pm 2:40
Thiagarajan. Mathangi ..... MOC am 11:22
Thibault. Pierre ..... Poster 271
Thibault. Pierre ..... TOD pm 3:04
Thibault. Pierre ..... WOA am 11:34
Thomas. Cecilia ..... WOC pm 3:16
Thomas. George..... Poster 351
Thomas. Horace ..... NON NONE
Thome. Carolina ..... Poster 290
Thornton. Janet..... MOA am 11:34
Thornton. Janet..... Poster 293
Throop. Andrea..... Poster 006
Tichý. Aleš ..... Poster 256
Tillmanns. Jochen..... TOA pm 2:52
Timp. Gregory..... WOB pm 3:16
Ting. Alice Y..... MOD am 11:46
Titz. Bjoern..... Poster 340
Todorova. Valentina..... TOE am 11:46
Tokar. Tomas..... TOE am 11:34
Tong. Jiefei ..... Poster 338
Tovchigrechko. Andrey ..... TOE pm 2:20
Towers. Mark ..... Poster 175
Tracy. Christopher ..... TOA pm 3:28
Tran. Hieu ..... TOB pm 2:20
Trefely. Sophie..... Poster 189
Treit. Peter V..... TOC pm 2:40
Trembley. Tammy-Lynn ..... Poster 176
Treml. Jana ..... Poster 225
Tripathi. Priyanka Harishchandra.. Poster 060
Trugilho. Monique Ramos Oliveira Poster 327
Trupp. Miles ..... Poster 095
Trusiak. Sarah..... Poster 341
Tsai. Tsung-Heng ..... MOE am 11:22
Tsang. Matthew ..... Poster 057
Tschäbunin. Alexandra ..... Poster 023
Tsujikawa. Kazutake..... MOC am 11:10
Tucholska. Monika..... WOA pm 2:20
Tully. Brett..... Poster 044
Turewicz. Michael ..... Poster 258
Turner. Randi ..... Poster 308
Twine. Susan ..... Poster 176
Tyers. Mike ..... TOA am 10:50
Typas. Athanasios ..... Poster 311
Typas. Dimitris ..... Poster 291
Tzouros. Manuel ..... MOE am 11:46
Ubaida-Mohien. Ceereena..... MOA pm 2:00
Ueda. Koji ..... MOC am 11:10
Ueda. Koji ..... Poster 170
Uemura. Motohide ..... MOC am 11:10
Uemura. Motohide ..... Poster 170
Uhlen. Mathias ..... MOA am 11:58
Uhlen. Mathias ..... Poster 331
Ujcikova. Hana..... Poster 212
Uliana. Federico..... Poster 292
Umana-Perez. Adriana ..... Poster 026
Umer. Husen..... MOE pm 3:04
Undas. Anetta ..... Poster 072
Uno. Yuko ..... Poster 303
Unruh. Jay..... Poster 289
Urban. Stephan..... MOB am 11:22
Urbani. Andrea..... MOB pm 3:28
Urbani. Andrea..... Poster 246
Urbatzka. Ralph ..... MOB pm 2:40
Urh. Marjeta ..... Poster 302
Urlaub. Henning..... Poster 075
Urlaub. Henning..... Poster 283
Ussar. Siegfried ..... MOB pm 2:40
Utz. Paul J..... Poster 002
Uusküla-Reimand. Liis..... WOA pm 2:20
V. Olsen. Jesper ..... TOC pm 2:40
Vacanti. Nathaniel..... Poster 063
Vaksman. Zalman..... Poster 057
Valencia. Heriberto ..... Poster 038
Valente. Richard Hemmi..... Poster 327
Valenzuela Corral. Alejandra ..... Poster 179
Valério dos Santos. Patrícia... WOB am 11:10
Valle de Sousa. Marcelo..... Poster 207
Valsesia. Armand..... MOB pm 2:52
Van. Julie ..... Poster 104
Van. Julie ..... WOC pm 3:04
van den Berg. Bart..... Poster 226
Van Den Bossche. Tim ..... Poster 188
van den Broek. Irene..... MOD pm 3:30
van der Kwast. Theodorus ..... Poster 070
Van der Wal. Lennart..... WOA am 11:58
Van Drogen. Audrey ..... Poster 197
van Drogen. Audrey..... Poster 292
Van Eyk. Jennifer..... MOD pm 3:30
Van Eyk. Jennifer..... Poster 267
Van Eyk. Jennifer..... Poster 127
Van Eyk. Jennifer..... WOB am 10:30
Van Eyk. Jennifer E. ..... Poster 002
Van Landuyt. Natalie..... Poster 216
Van Landuyt. Natalie..... TOC pm 3:16
Van Ling. Robert..... Poster 216
van Mol. Kurt..... Poster 216

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Vanderlaan. Rachel ..... Poster 077
Vandyke. Kate ..... TOE am 11:22
Vanscheeuwijck. Patrick ..... Poster 340
Vappiani. Johanna ..... WOA am 11:22
Varela-Rey. Marta ..... TOD am 11:34
Variava. Ebrahim ..... WOB am 11:34
Varlet. Pascale ..... MOC am 11:34
Varma. Manthena V. ..... Poster 326
Varma Polisetty. Ravindra ..... Poster 060
Vaseva. Angelina ..... Poster 343
Vasil'ev. Yury ..... TOC pm 2:52
Vasilopoulou. Catherine ..... WOD pm 3:20
Veesler. David ..... TOC pm 2:20
Vegvari. Akos ..... WOC am 11:22
Velez de la Calle. Juan-Felipe ..... Poster 089
Vélez López. Omar ..... Poster 305
Venkatesh. Samvida ..... TOA pm 3:04
Venkatraman. Vidya ..... Poster 002
Verbeke. Lynn ..... Poster 145
Verbeke. Lynn ..... WOD pm 3:20
Verdin. Eric ..... MOA pm 3:04
Verschueren. Erik ..... MOE am 11:22
Verschueren. Erik ..... Poster 288
Vertes. Akos ..... WOC am 11:34
Vesterlund. Mattias ..... Poster 063
Vickery. Karen ..... Poster 309
Vieira. André ..... Poster 202
Vildhede. Anna M. ..... Poster 326
Viner. Rosa ..... Poster 354
Viner. Rosa ..... Poster 339
Viner. Rosa ..... Poster 338
Viner. Rosa ..... Poster 317
Virreira Winter. Sebastian ..... WOB pm 2:52
Vissers. Johannes ..... Poster 157
Vit. Ondrej ..... Poster 046
Vitek. Olga ..... MOE am 10:50
Vitek. Olga ..... MOE am 11:46
Vitek. Olga ..... MOE am 11:22
Vitek. Olga ..... Poster 145
Vitek. Olga ..... Poster 107
Viteri. Guilherme ..... Poster 125
Vizcaino. Juan Antonio ..... Poster 199
Vizcaino. Juan Antonio ..... TOB pm 3:16
Vizcaíno. Juan Antonio ..... Poster 113
Voinov. Valery G. ..... TOC pm 2:52
Vojtesek. Borivoj ..... Poster 101
Völker. Uwe ..... TOE pm 3:16
von Feilitzen. Kalle ..... MOA am 11:58
von Zastrow. Mark ..... MOD am 11:46
Vonderach. Matthias ..... Poster 112
Vorm. Ole ..... TOC pm 2:40
Voytik. Eugenia ..... Poster 221
Vuillaume. Gregory ..... Poster 340
Vychytil. Andreas ..... Poster 106
Waas. Matthew ..... TOD pm 2:52
Waddington. James ..... Poster 180
Waelkens. Etienne ..... Poster 178
Waelkens. Etienne ..... TOB am 11:46
Wagner. Anne J. ..... WOA am 11:22
Wagner-Golbs. Antje ..... Poster 191
Wahlin. Karl ..... WOD am 11:22
Wallingford. John B. ..... TOA am 11:34
Walsh. Ian ..... Poster 162
Walter. Ondine ..... MOB pm 2:52
Wang. Chuan ..... Poster 049
Wang. Daojing ..... Poster 215
Wang. Ding ..... Poster 073
Wang. Fei ..... Poster 006
Wang. Geng ..... Poster 214
Wang. Guangshun ..... Poster 034
Wang. Guisong ..... Poster 059
Wang. Haiyong ..... Poster 006
Wang. Haoyu ..... Poster 006
Wang. Hongye ..... Poster 006
Wang. Hui ..... TOE am 11:58
Wang. Jen-Hung ..... Poster 118
Wang. Jie ..... Poster 073
Wang. Jinghan ..... Poster 092
Wang. Joseph Injae ..... Poster 018
Wang. Lei ..... Poster 128
Wang. Pei ..... TOB pm 2:00
Wang. San-Yuan ..... Poster 098
Wang. Xing ..... Poster 236
Wang. Xuefeng ..... Poster 062
Wang. Yen-Chieh ..... Poster 048
Wang. Yi ..... MOC pm 3:16
Wang. Yi ..... Poster 034
Wang. Yi-hao ..... Poster 227
Wanner. Ina-Beate ..... WOB am 11:46
Wardak. Ahmad ..... TOC am 11:58
Warrener. Paul ..... TOE pm 2:20
Wäsch. Marvin ..... Poster 096
Washburn. Michael ..... MOA am 11:34
Washburn. Michael ..... Poster 068
Washburn. Michael ..... Poster 293
Washburn. Michael ..... Poster 130
Washburn. Michael ..... Poster 289
Washburn. Michael ..... TOB pm 3:04
Wasson. Lauren ..... TOA pm 3:04
Watabe. Yukio ..... Poster 069
Watt. Fiona E. ..... Poster 002
Webb. Andrew ..... TOC am 11:58
Webb-Robertson. Bobbie-Jo ..... WOB am 10:50
Weerasekera. Ranjuna ..... TOD pm 2:52
Weeratna. Risini ..... Poster 176
Wegler. Christine ..... Poster 328
Wehner. Sebastian ..... Poster 182
Wei. Jeanne ..... TOE am 11:46
Wei. Jing ..... Poster 033
Wei. Jing ..... Poster 007
Wei Tay. Jian ..... TuesPlen am 8:30-9:00
Weichert. Wilko ..... MOC pm 3:04
Weiner. Amber K. ..... MOE pm 2:40
Weiner. Amber K. ..... Poster 057
Weintraub. Susan ..... Poster 144
Weisbrod. Chad ..... Poster 357
Weiss. Tobias ..... TOD pm 2:00
Weitzman. Matthew ..... Poster 259
Weitzman. Matthew D. ..... Poster 243
Welford. Richard W. D. ..... TOA am 11:46
Welinder. Charlotte ..... MOD am 11:58
Weller. Michael ..... TOD pm 2:00
Welsh. Eric ..... MOE pm 2:52
Welsh. Eric A ..... Poster 062
Wen. Bo ..... MOE pm 3:16
Wen. Tim ..... Poster 289
Weng. Rueyhung R ..... Poster 310
Wenk. Markus R. ..... WOC pm 2:00
Wenschuh. Holger ..... Poster 078
Werth. Emily ..... Poster 343
Wertz. Julie ..... Poster 121
Weston-Bell. Nicola J. ..... TOE am 11:22
Westphall. Michael S ..... TOC pm 3:28
Whetton. Anthony ..... Poster 011
Whetton. Tony ..... MOD pm 2:00
White. Melanie ..... Poster 190
White. Melanie ..... WOC pm 2:52
Whitelegge. Julian ..... TOC am 11:46
Wichmann. Christoph ..... WOB pm 3:28
Wichmann. Christoph ..... WOB pm 2:52
Widdowson. Philip ..... Poster 150
Widera. Christian ..... TOA pm 2:52
Wierer. Michael ..... WOD pm 3:20
Wierling. Christoph ..... Poster 045
Wieslander. Elisabet ..... MOD am 11:58
Wilczewski. Caralynn ..... TOA pm 3:04
Wild. Peter ..... Poster 146
Wiles. Timothy ..... Poster 268
Wiles. Timothy ..... TOB am 11:34
Wiley. Christopher ..... Poster 299
Wilhelm. Mathias ..... Poster 078
Wilhelm. Mathias ..... Poster 132
Wilkerson. Emily ..... Poster 343
Willetts. Matt ..... Poster 251
Williams. Evan ..... Poster 197
Williams. Evan G. ..... Poster 131
Williams. Tayler ..... Poster 135
Wilson. John ..... Poster 220
Wilson. Michael D. ..... WOA pm 2:20
Wingsle. Gunnar ..... Poster 095
Wiśniewski. Jacek ..... Poster 072
Wojcik. John ..... Poster 064
Wojcik. John ..... Poster 065
Wollert. Kai ..... TOA pm 2:52
Wollscheid. Bernd ..... MOA am 10:50
Wollscheid. Bernd ..... MOB am 11:22
Wollscheid. Bernd ..... WOE pm 3:04
Wong. Jasmine ..... WOC pm 2:40
Wong. Naikei ..... Poster 105
Woods. Lucy ..... Poster 182
Workman. Jerry ..... Poster 289
Wouters. Eloy ..... Poster 217
Wouters. Eloy R. ..... TOC pm 3:28
Wright. Aaron ..... MOB am 11:34
Wright. James ..... Poster 198
Wu. Catherine J ..... TOB am 11:10
Wu. Cathy H. ..... Poster 062
Wu. Chia-Chun ..... Poster 014
Wu. Chih-Ching ..... Poster 184
Wu. Chih-Ching ..... Poster 047
Wu. Gary ..... Poster 189
Wu. Jemma ..... Poster 275
Wu. Jianhong ..... Poster 349
Wu. Linfeng ..... Poster 276
Wu. Mengxi ..... Poster 166
Wu. Pei-Shan ..... Poster 287
Wu. Ranran ..... Poster 185
Wu. Ronghu ..... Poster 278
Wu. Sheng-Ming ..... Poster 098
Wu. Shuai ..... Poster 276
Wu. Xia ..... MOB am 10:30
Wühr. Martin ..... MOE am 11:34
Wühr. Martin ..... Poster 336
Xenopoulos. Alex ..... Poster 143
Xiao. Wei-di ..... Poster 227
Xie. Hua ..... Poster 337
Xie. Juanjuan ..... Poster 076
Xie. Xueshu ..... Poster 254
Xin. Lei ..... Poster 177
Xin. Lei ..... TOB pm 2:20
Xiong. Yueting ..... Poster 025
Xu. Bo ..... MOD am 11:34
Xu. Bo ..... Poster 235
Xu. Bo ..... Poster 031
Xu. Bo ..... Poster 005
Xu. Ping ..... Poster 120
Xu. Ping ..... Poster 227
Xu. Shaohang ..... Poster 201
Xuan. Yue ..... Poster 341
Xuan. Yue ..... WOE pm 3:04
Yadav. Raj Kumar ..... Poster 102
Yakovleva. Maria ..... MOD am 11:58
Yamada. Tesshi ..... Poster 066
Yamada. Tesshi ..... Poster 303
Yamamoto. Keiko ..... MOD am 11:34
Yamamoto. Keiko ..... Poster 031
Yamamoto. Keiko ..... Poster 032
Yamamoto. Keiko ..... Poster 005
Yamamoto. Keiko ..... Poster 235

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Yamamoto. Tadashi..... Poster 032
Yamamoto. Tadashi..... Poster 235
Yamamoto. Tadashi..... Poster 031
Yamamoto. Tadashi..... Poster 005
Yan. Wei ..... Poster 092
Yan. Xiaoling..... Poster 006
Yang. Dong..... Poster 193
Yang. Elizabeth..... Poster 111
Yang. Hao..... Poster 120
Yang. Hao..... Poster 227
Yang. Huanming..... Poster 090
Yang. Jing..... WOA am 10:50
Yang. Liuhui..... Poster 006
Yang. Mei-Ling..... TOB am 11:46
Yang. Pengyuan ..... Poster 167
Yang. Pengyuan ..... Poster 025
Yang. Pengyuan ..... Poster 159
Yang. Pengyuan ..... Poster 076
Yang. Pengyuan ..... Poster 166
Yang. Pengyuan ..... TOD am 11:46
Yang. Weiming ..... MOB am 11:10
Yang. Weiming ..... WOB am 11:58
Yang. Xiangdong ..... Poster 076
Yanyan. Li..... Poster 003
Yasuda. Clarissa..... Poster 202
Yates, PhD. John..... Poster 001
Yee. Gi Taek..... WOD am 11:34
Yeh. Chau-Ting..... Poster 015
Yeh. Ta-Sen..... Poster 014
Yeo. Injoon..... Poster 013
Yeo. Injoon..... Poster 322
Yeo. Injun..... Poster 323
Yeom. Jeonghun..... Poster 306
Yeom. Jeonghun..... Poster 307
Yeung. Eyan ..... Poster 336
Yi. Eugene C..... Poster 016
Ying. Wantao ..... Poster 252
Yip. Paul ..... TOE am 11:34
Yoder. Sean..... MOE pm 2:52
Yong Pil. Chong..... Poster 307
Yoo. Jong Shin ..... Poster 169
Yoo. Jong Shin ..... Poster 086
Yoo. Jong Shin ..... Poster 152
Yoo. Jong Shin ..... Poster 080
Yoo. Jong Shin ..... WOA am 11:10
Yoo. Jong Shin ..... WOD am 11:34
Yoon. Jung-Hwan ..... Poster 323
Yoon. Jung-Hwan ..... Poster 322
Young. Denise ..... TOE am 11:58
Young. Samuel ..... TOC am 11:58
Young. Sandy ..... MOD pm 3:30
Yu. Chengli ..... Poster 337
Yu. Fang ..... Poster 092
Yu. Hua..... MOC am 11:34
Yu. Jau-Song ..... Poster 015
Yu. Jau-Song ..... Poster 014
Yu. Jau-Song ..... Poster 116
Yu. Jau-Song ..... Poster 019
Yu. Jau-Song ..... Poster 325
Yu. Jau-Song ..... Poster 020
Yu. Jiyoung..... Poster 306
Yu. Jiyoung..... Poster 307
Yu. Li-Rong..... Poster 191
Yu. Li-Rong..... TOE am 11:46
Yu. Lu ..... Poster 249
Yu. Lu ..... Poster 198
Yu. Su Jong ..... Poster 323
Yu. Su Jong ..... Poster 322
Yu. Sung-Liang ..... Poster 284
Yu. Wei ..... Poster 006
Yu. Wen ..... TOE pm 2:20
Yu. Wenjuan ..... Poster 092
Yu. Xiaobo ..... Poster 006
Yu. Ying Qing..... Poster 143
Yu. Zixiang..... Poster 252
Yuan. Zuo-Fei ..... Poster 324
Yuan. Zuo-fei ..... Poster 297
Yuan. Zuo-Fei ..... Poster 189
Yuan. Zuo-Fei ..... Poster 298
Yucer. Nur..... MOD pm 2:30
Yun. Ki Na..... WOA am 11:10
Yun. Ki Na..... WOD am 11:34
Ząbczyk. Michał ..... Poster 072
Zabrouskov. Vlad..... Poster 217
Zack. Donald..... WOD am 11:22
Zahedi. Rene ..... Poster 348
Zahedi. Rene ..... Poster 229
Zahedi. Rene ..... Poster 228
Zaia. Joseph ..... Poster 169
Zannettino. Andrew..... TOE am 11:22
Zarina. Shamshad ..... Poster 097
Zecconi. Alfonso ..... MOB pm 3:28
Zecconi. Alfonso ..... Poster 246
Zecha. Jana ..... MOC pm 3:04
Zehra. Meraj ..... Poster 100
Zelanis. André..... Poster 037
Zelanis. André..... Poster 051
Zeng. Wenfeng ..... Poster 167
Zeng. Wen-Feng..... Poster 120
Zeng. Yi ..... MOE am 11:22
Zerweck. Johannes..... Poster 132
Zerweck. Johannes..... Poster 078
Zetterberg. Henrik..... WOE am 11:34
Zhang. Bei Betty ..... Poster 257
Zhang. Bing ..... MOE pm 3:16
Zhang. Chaomei ..... MOE pm 2:52
Zhang. Chengxin ..... TOC am 11:34
Zhang. Chunchao ..... Poster 034
Zhang. Di ..... MOC pm 2:40
Zhang. Di ..... Poster 210
Zhang. Fanshuang..... Poster 007
Zhang. Guolin ..... MOE pm 2:52
Zhang. Guolin ..... Poster 062
Zhang. Hongjiu ..... Poster 085
Zhang. Hui ..... MOB am 11:10
Zhang. Hui ..... MOC pm 2:52
Zhang. Hui ..... MOD pm 3:15
Zhang. Hui ..... Poster 161
Zhang. Hui ..... Poster 056
Zhang. Hui ..... Poster 163
Zhang. Hui ..... Poster 265
Zhang. Hui ..... WOB am 11:58
Zhang. Jie-Ning ..... Poster 284
Zhang. Jun-Ling..... Poster 227
Zhang. Keren ..... Poster 090
Zhang. Lily ..... TOA am 10:50
Zhang. Linpei ..... Poster 033
Zhang. Linwen ..... WOC am 11:34
Zhang. Pei-Heng..... Poster 120
Zhang. Yang ..... Poster 166
Zhang. Yang ..... TOC am 11:34
Zhang. Yao ..... Poster 120
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