

TUESDAY POSTER LIST

Tuesday posters should be set up 8:00-8:30 am Tuesday morning and removed at 3:00 pm Tuesday afternoon.

Lightning Talks

Posters featured in the Tuesday *Lightning Session - Round II* and Wednesday *Technology and Tips & Tricks* are noted.

Biochemical Pathway Elucidation, Tues Poster 01

Tues Poster 01 **Phosphoproteomics Reveals Potential Crosstalk Between mTORC2 and MAP kKnases;** Samuel Entwisle¹; Camila Martinez-Calejman²; David Guertin²; Judit Villen¹; ¹University of Washington, Seattle, WA; ²University of Massachusetts Medical Center, Worcester, MA Tuesday Lightning Session

Biomarkers and Targeted MS Assays, Tues Poster 02-04

Tues Poster 02 **Exosomal EphA2 Transmits Chemoresistance and Predicts Pancreatic Cancer Patient Responses to Therapy;** Jia Fan¹; Qian Wei²; Eugene J. Koay³; Yang Liu^{1, 2}; Zhen Zhao⁴; Tony Y. Hu^{1, 2}; ¹Arizona State University, Tempe, AZ; ²Houston Methodist Research Institute, Houston, TX; ³University of Texas M.D. Anderson Cancer Center, Houston, TX; ⁴National Institutes of Health, Bethesda, MD Tuesday Lightning Session

Tues Poster 03 **Development of Protein Biomarkers for Effects of Radiation Exposure using Quantitative Mass Spectrometry;** Kate Liu; Elizabeth Singer; Whitaker Cohn; Julian Whitelegge; William McBride; Joseph Loo; UCLA, Los Angeles, CA Tuesday Lightning Session

Tues Poster 04 **A Spin Column-Free Permethylation Procedure for Glycan Analysis;** Yueming Hu^{1, 2}; Chad R. Borges^{1, 2}; ¹Arizona State University, Tempe, AZ; ²The Biodesign Institute, Arizona State University, Tempe, Az Tuesday Lightning Session

Chromatin Dynamics, Tues Poster 05-06

Tues Poster 05 **Influence of the Gut Microbiota on Histone Modifications in Intestinal Epithelial Cells;** Peder J. Lund; Sarah A. Smith; Johayra Simithy; Zuo-Fei Yuan; Kevin Janssen; Gary D. Wu; Benjamin A. Garcia; *University of Pennsylvania, Philadelphia, PA* Tuesday Lightning Session

Tues Poster 06 **Histone H2A Proteolysis During Mouse Embryonic Stem Cell Differentiation;** Mariel Coradin¹; Simone Sidoli^{1, 3}; Kelly Karch^{1, 2}; Benjamin A. Garcia^{1, 2}; ¹Department of Biochemistry and Molecular Biophysics, Philadelphia, PA; ²Epigenetics Program, Philadelphia, PA; ³University of Pennsylvania School of Medicine, Philadelphia, PA Tuesday Lightning Session

Clinical Proteomics, Tues Poster 08-10

Tues Poster 08 **Comparative Proteomic Analysis of the Influence of Gender and Acid Stimulation on Normal Human Saliva Using LC/MS/MS;** Xiaoping Xiao¹; Yaoran Liu²; Wei Sun¹; Qian Li²; ¹Chinese Academy of Medical Sciences, Beijing, China; ²Peking Union Medical College hospital, Beijing, China Tuesday Lightning Session

Tues Poster 09 **Early Detection in Urinary Proteome for the Effective Early Treatment of Bleomycin-Induced Pulmonary Fibrosis in a Rat Model;** Jianqiang Wu¹; Xundou Li¹; Youhe Gao^{1, 2}; ¹Peking Union Medical College, Beijing, China; ²Beijing Normal University, Beijing, China Tuesday Lightning Session

Tues Poster 10 **A Standardized Method to Produce a Digested Yeast Protein Extract Reference Material for Mass Spectrometry;** Candice Johnson; Ashley Beasley Green; Karen Phinney; *National Institute of Standards and Technology, Gaithersburg, MD*

Clinical Proteomics, Tues Poster 11-16

Tues Poster 11 **Quantitative Interrogation of Large Mass Spectrometry Datasets Using a Flexible Hierarchical Organization Scheme;** Phillip Seitzer¹; Seth Just¹; Susan Ludwigsen¹; Caleb Emmons¹; Brian Searle²; ¹Proteome Software, Portland, Oregon; ²University of Washington, Seattle, WA

Tues Poster 12 **Linear B Cell Epitope Prediction by Using High Throughput Peptide Microarrays;** Robayet Chowdhury^{1, 2}; Taylor Brown^{1, 2}; Neal Woodbury^{1, 2}; ¹Innovations in Medicine, The Biodesign Institute, Tempe, Arizona (AZ); ²Arizona State University, Tempe, AZ Tuesday Lightning Session

Tues Poster 13 **Methods for Estimating False Discovery Rates in High-Resolution Peptide Spectral Library Searches;** Zheng Zhang; Yuri Mirokhin; Dmitrii Tchekhovskoi; Sanford Markey; Stephen Stein; *NIST, Gaithersburg, Maryland*

Tues Poster 14 **A Multi-Level Quality Control Workflow for MS-Based Proteomics Using a Complex Biological Standard;** Hossein Fazelinia; Lynn Spruce; Hua Ding; Steven Seeholzer; *Children's Hospital of Philadelphia, Philadelphia, PA*

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Tues Poster 15 **GiaPronto: A One-Click Graph Visualization Software for Proteomics Datasets;** [Amber K. Weiner](#)^{1, 2}; [Simone Sidoli](#)¹; [Sharon J. Diskin](#)²; [Benjamin A. Garcia](#)¹; ¹*University of Pennsylvania School of Medicine, Philadelphia, PA*; ²*Children's Hospital of Philadelphia, Philadelphia, PA* [Tuesday Lightning Session](#)

Tues Poster 16 **The Hybrid Search: A Mass Spectral Library Search Method for Discovery of Modifications in Proteomics;** [Meghan C. Burke](#); [Yuri A. Mirokhin](#); [Dmitrii V. Tchekhovskoi](#); [Sanford P. Markey](#); [Stephen E. Stein](#); *Mass Spectrometry Data Center, NIST, Gaithersburg, MD* [Tuesday Lightning Session](#)

High Resolution Mass Spectrometry, Tues Poster 17

Tues Poster 17 **Applying DDA Methods for Global Profiling: Evaluating DDA Acquisition Parameters for Exhaustive Data Mining and Reproducibility;** [Scott M. Peterman](#)¹; [David Sarracino](#)¹; [Shen Luan](#)¹; [Amol Prakash](#)²; [Bradley J. Hart](#)³; ¹*Thermo Fisher Scientific, Cambridge, MA*; ²*Optys Tech Corporation, SHREWSBURY, MA*; ³*Thermo Scientific, Trabuco Canyon, CA*

High Resolution Mass Spectrometry, Tues Poster 18-22

Tues Poster 18 **RNA Mononucleoside Modification Detection, Quantitation, and Multiplexing by NanoLC-MS/MS;** [Kevin A. Janssen](#); [Ranran Wu](#); [Benjamin A. Garcia](#); *University of Pennsylvania School of Medicine, Philadelphia, PA* [Tuesday Lightning Session](#)

Tues Poster 19 **MetaProt: A Cloud-based Platform to Analyze, Annotate, and Integrate Metabolomics Datasets with Proteomics Information;** [Howard Choi](#)¹; [Vincent Kyi](#)¹; [Brian Bleakley](#)¹; [Ding Wang](#)¹; [Henning Hermjakob](#)²; [Peipei Ping](#)¹; ¹*NIH BD2K Center at UCLA, Los Angeles, CA*; ²*EMBL-EBI, Hinxton, UK* [Tuesday Lightning Session](#)

Tues Poster 20 **Bladder Cancer Metabolomics Using the UPLC/MS-Based AbsoluteIDQ p180 Kit;** [Sri Ramya Donepudi](#)¹; [Vasanta Putluri](#)¹; [Feng Jin](#)¹; [Suman Maity](#)¹; [Vadiraj Bhat](#)²; [Arun Sreekumar](#)¹; [Nagireddy Putluri](#)¹; ¹*Baylor College of Medicine, Houston, TX*; ²*Agilent Technologies, Santa Clara, CA*

Tues Poster 21 **Extending an Integrated Reference Tandem Mass Spectral Library for Comprehensive Identification of Metabolites and Bioactive Peptides;** [Xiaoyu Yang](#); [Pedatsur Neta](#); [Stephen Stein](#); *NIST, Gaithersburg, MD*

Tues Poster 22 **Racial Disparity in Bladder Cancer and Identification of Altered Metabolism in African American Compared to European Bladder Cancer;** [Venkatrao Vantaku](#)¹; [Tiffany Dorsey](#)²; [Vasanta Putluri](#)¹; [Sri Ramya Donepudi](#)¹; [Suman Maity](#)¹; [Wei Tang](#)²; [Feng Jin](#)¹; [Danthasinghe Waduge Badrajee Piyarathna](#)¹; [Kimal Rajapakshe](#)¹; [Shyam Kavuri](#)¹; [Vadiraja Bhat](#)³; [Seth Lerner](#)¹; [Yair Lotan](#)⁴; [Wei Liu](#)⁵; [Cristian Coarfa](#)¹; [Arun Sreekumar](#)¹; [Stefan Ambs](#)²; [Nagireddy Putluri](#)¹; ¹*Baylor College of Medicine, Houston, Texas*; ²*NIH/ACI, Bethesda, MD*; ³*Agilent Technologies, Santa Clara, CA*; ⁴*UTSouthwestern, Dallas, TX*; ⁵*Agios Pharmaceuticals, Boston, MA*

Metaproteomics, Tues Poster 23

Tues Poster 23 **Mucosal Microbiome and Vaccine Response in HIV-Exposed Uninfected African Infants;** [Suereta Fortuin](#); *Cape Town University., Cape Town, South Africa*

New Technologies, Tues Poster 24-37

Tues Poster 24 **Global Identification of Functional Phosphorylation Sites in *Saccharomyces cerevisiae*;** [Ian Smith](#); *University Of Washington, Seattle, WA* [Wednesday Tips & Tricks](#)

Tues Poster 25 **Investigations of Kinase Signaling in Cancer Metabolism with Cell-Active, Kinase Specific Biosensors;** [Laura Marholz](#); *University of Minnesota, Minneapolis, MN*

Tues Poster 26 **Parallel Accumulation - Serial Fragmentation (PASEF) on a Novel Trapped Ion Mobility Spectrometry (TIMS) – QTOF instrument;** [Scarlet Beck](#)¹; [Heiner Koch](#)¹; [Florian Meier](#)¹; [Markus Lubeck](#)²; [Stephanie Kaspar-Schoenefeld](#)²; [Niels Goedecke](#)²; [Oliver Raether](#)²; [Juergen Cox](#)¹; [Matthias Mann](#)¹; ¹*Max Planck Institute of Biochemistry, Martinsried/Munich, Germany*; ²*Bruker Daltonik GmbH, Bremen, Germany*

Tues Poster 27 **A Single UHPLC System for Both High Flow and Nano Flow LC-MS/MS: Application in Discovery and Targeted Proteomics;** [Linfeng Wu](#)¹; [Alex Zhu](#)²; [Paul Goodley](#)¹; [Pat Perkins](#)¹; ¹*Agilent Technologies, Santa Clara, CA*; ²*Agilent Technologies, Wilmington, DE* [Wednesday Tips & Tricks](#)

Tues Poster 28 **Time-Dependent Metabolomics in Systems Biology Context for Mechanism of Action Studies;** [Akos Vertes](#)¹; [Andrew Korte](#)¹; [Hang Li](#)¹; [Peter Nemes](#)¹; [Lida Parvin](#)¹; [Sylvia Stopka](#)¹; [Sunil Hwang](#)¹; [Ziad Sahab](#)¹; [Deborah Bunin](#)²; [Merrill Knapp](#)²; [Andrew Poggio](#)²; [Carolyn Talcott](#)²; [Brian Davis](#)³; [Christine Morton](#)³; [Christopher Sevinsky](#)³; [Maria Zavodsky](#)³; [Nicholas Morris](#)⁴; [Matthew Powell](#)⁴; ¹*George Washington University, Washington, DC*; ²*SRI International, Menlo Park, CA*; ³*GE Global Research, Niskayuna, NY*; ⁴*Protea Biosciences Inc., Morgantown, WV* [Wednesday Tips & Tricks](#)

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- Tues Poster 29 **Reducing Your Coomassie Footprint: An Environmentally Friendly Protein Stain with Sensitivity Similar to SYPRO Ruby and Deep Purple Gel Stains;** [Gary Smejkal](#); Donald Mousseau; *Focus Proteomics, Hudson, NH*
- Tues Poster 30 **Quantification of Protein Stability in Mammalian Tissues;** [Dan B. McClatchy](#); Nam-Kyung Yu; John R. Yates; *The Scripps Research Institute, La Jolla, CA*
- Tues Poster 31 **Quantitative Bottom Up Proteomics Using a Novel Scanning Quadrupole Data Independent Acquisition (DIA) Method;** [Jim Langridge](#)¹; Chris Hughes¹; Lee Gethings¹; Roy Martin²; Keith Richardson¹; Johannes Vissers¹; ¹*Waters Corporation, Wilmslow, UK*; ²*Waters, Beverly, MA* [Wednesday Tips & Tricks](#)
- Tues Poster 32 **PCT-HD for Tissue Biopsy Samples: Comparison to a Standard Method.;** [Vera Gross](#)¹; Peter Hains²; Keith Ashman³; Valentina Valova²; Alexander Lazarev¹; ¹*Pressure BioSciences, Inc., South Easton, MA*; ²*Children's Medical Research Institute, Westmead NSW, Australia*; ³*Sciex, Framingham, MA* [Wednesday Tips & Tricks](#)
- Tues Poster 33 **Quantification of Circulating *M. Tuberculosis* Antigen Peptides Allows Rapid Diagnosis of Active Disease and tTreatment Monitoring;** [Chang Liu](#); Jia Fan; Christopher Lyon; Ye Hu; *Arizona State University, Tempe, AZ* [Wednesday Tips & Tricks](#)
- Tues Poster 34 **A Promising Alternative to MS2-DIA: IonStar Enables Large-Scale, Accurate and Extensive Quantification with Low Missing Data and Ffalse Positives;** [Jun Qu](#); Xiaomeng Shen; Shichen Shen; *SUNY-Buffalo, Buffalo, NY* [Wednesday Tips & Tricks](#)
- Tues Poster 35 **In-Depth Quantitation of Changes in Protein Expression Levels in Complex Samples on a Q-TOF Instrument Using Data-Independent Acquisition (DIA);** Stephanie Kaspar-Schoenefeld¹; Thomas Kosinski¹; Pierre-Olivier Schmit²; [Na Parra](#)³; ¹*Bruker Daltonik GmbH, Bremen, Germany*; ²*Bruker Daltonique S.A., Wissembourg, France*; ³*Bruker Daltonics, Billerica, MA* [Wednesday Tips & Tricks](#)
- Tues Poster 36 **Developing Novel Biosensors for Serine/Threonine Kinases Involved in Cancer;** Joel Zembles; *University Of Minnesota, Minneapolis, Minnesota*
- Tues Poster 37 **Ultrasensitive Microanalytical CE-nanoESI-MS for Bottom-up Proteomic Characterization of Mouse Hippocampal Neurons;** [Sam Choi](#); Eric Corcoran; Marta Zamarbide; M. Chiara Manzini; Peter Nemes; *The George Washington University, Washington DC* [Wednesday Tips & Tricks](#)

Pathogen Proteomics, Tues Poster 38-39

- Tues Poster 38 **Comprehensive Proteomics Analysis to Identify Differentially Expressed Proteins in Cells with ASC Speck Formation;** I-Che Chung; Chih-Ching Wu; [Yu-Sun Chang](#); *Chang Gung University, Taoyuan, Taiwan*
- Tues Poster 39 **Understanding Mechanism of Action of Drug Resistance Reversal Potential of Usnic Acid Using Proteomic Profiling;** Sneha Sinha; *csir-cimap, Lucknow, India* [Tuesday Lightning Session](#)

Post-Translational Modifications, Tues Poster 40-43

- Tues Poster 40 **Global Proteomic Analysis of Lysine Acetylation During Zebrafish Embryogenesis;** [Sunjoo Kim](#); Oh Kwang Kwon; Sangkyu Lee; *BK21 Plus KNU Multi-Omics /Drug Research Team, daegu, South of Korea*
- Tues Poster 41 **Turnover Profiles of Histone Post-Translational Modifications in a Myogenic Model Using SILAC Labeling, Enzyme Networks and Trend Clustering Analysis;** Natarajan Bhanu; *University of Pennsylvania, Philadelphia, PA*
- Tues Poster 42 **Glycation of Human Serum Albumin Increases Ex Vivo in Poorly Handled Samples;** [Joshua W. Jeffs](#)^{1, 2}; Chad R. Borges, PhD^{1, 2}; Douglas S. Rehder²; ¹*Arizona State University, Tempe, AZ*; ²*The Biodesign Institute, Arizona State University, Tempe, AZ*
- Tues Poster 43 **High Throughput and Accurate Quantitation of Phosphoproteomics for Biological Signaling;** [Xiaoyue Jiang](#)¹; Ryan Bomgarden²; Rosa Viner¹; Andreas Huhmer¹; ¹*Thermo Fisher Scientific, San Jose, CA*; ²*Thermo Fisher Scientific, Rockford, IL*

Precision Medicine, Tues Poster 44-46

- Tues Poster 44 **Fast Second Dimension Microflow LC for High-Throughput Deep Proteome Coverage;** [Randy Arnold](#)¹; Nick Morrice²; Joerg Dojahn³; Christie Hunter¹; ¹*SCIEX, Redwood City, CA*; ²*SCIEX, Warrington, UK*; ³*SCIEX, Darmstadt, Germany*
- Tues Poster 45 **Profiling Biochemical Individuality: Human Personal Omics Profiling (hPOP);** [Sara Ahadi](#)¹; Hannes Rost¹; Christie Hunter²; Liang Liang¹; Shannon Rego¹; Orit Dagan-Rosenfeld¹; Denis Salins¹; Mike Snyder¹; ¹*Stanford University, Stanford, CA*; ²*Sciex, Redwood City, CA* [Tuesday Lightning Session](#)

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- Tues Poster 46 **Evidence of Human Antagonistic Auto-Antibodies as a Mechanism of Insulin Resistance;** Andrew Lipchik; Anil Narasimha; Michael Snyder; *Stanford University, Stanford, CA* Tuesday Lightning Session

Protein Quality Control, Tues Poster 47-48

- Tues Poster 47 **Selection and Validation of Endogenous Retention Time Standards and Quality Control Peptides for Plasma Proteomics Study;** Shenyang Zhang; Vidya Venkatraman; Qin Fu; Ronald Holewinski; Mitra Mastali; Jennifer Van Eyk; *Cedars Sinai Medical Center, Los Angeles, CA* Tuesday Lightning Session

- Tues Poster 48 **Ex Vivo Protein Oxidation as a Metric of Blood Plasma/Serum Integrity;** Chad R. Borges; Joshua Jeffs; Shadi Ferdosi; *Arizona State University, Tempe, AZ* Wednesday Tips & Tricks

Proteoform Biology, Tues Poster 49-50

- Tues Poster 49 **Elucidating the Biological Implications of Aluminum Binding to Osteocalcin;** Stephanie Thibert^{1, 2}; Olga Trenchevska¹; Mario Kratz³; Ian de Boer⁴; Mian Yang¹; Richard Hervig⁵; Peter Williams²; Joshua Jeffs^{1, 2}; Chad Borges^{1, 2}; ¹*Biodesign Institute, Arizona State University, Tempe, AZ*; ²*School of Molecular Sciences, ASU, Tempe, AZ*; ³*Fred Hutchinson Cancer Research Center, Seattle, WA*; ⁴*University of Washington, Seattle, WA*; ⁵*School of Earth & Space Exploration, ASU, Tempe, AZ* Tuesday Lightning Session

- Tues Poster 50 **Novel Algorithm for Quantifying Proteoforms of Tropomyosin;** Amol Prakash¹; Irina Tchernyshyov²; Irene van den Broek²; Vidya Venkatraman²; Scott Peterman³; Jennifer Van Eyk²; ¹*Optys Tech Corporation, Shrewsbury, MA*; ²*Cedars Sinai Medical Center, Los Angeles, CA*; ³*Thermo Scientific BRIMS, Cambridge, MA*

Proteogenomics, Tues Poster 51-57

- Tues Poster 51 **Temporal Analysis of Proteome and Transcriptome in Differentiating Human Pancreatic Endocrine Cells identifies Developmentally Regulated Protein Networks.;** Ertugrul Cansizoglu¹; Quinn P. Peterson²; Shaojun Tang³; Judith Steen¹; Hanno Steen¹; ¹*Harvard Medical School / BCH, Boston, MA*; ²*Harvard Department of Stem Cell and Regenerative B, Cambridge, MA*; ³*Georgetown University Medical Center, Washington, DC*

- Tues Poster 52 **Integrative Proteogenomic Characterization of Colorectal Cancer Cell Lines and Primary Tumors;** Jing Wang¹; Dmitri Mouradov²; Xiaojing Wang¹; Robert Jorissen²; Matthew Chambers⁸; Lisa Zimmerman⁸; Suhas Vasaikar¹; Christopher Love²; Shan Li²; Kym Lowes²; Helene Jousset²; Janet Weinstock²; Christopher Yau⁴; John Mariadason^{5, 6}; Zhiao Shi¹; Yuguan Ban⁷; Xi Chen⁷; Robert Coffey^{8, 9}; Robbert Slebos¹⁰; Antony Burgess^{2, 3}; Daniel Liebler⁸; Bing Zhang¹; Oliver Sieber^{2, 3}; ¹*Baylor College of Medicine, Houston, TX*; ²*The Walter and Eliza Hall Institute of Medical Research, Parkville, Australia*; ³*The University of Melbourne, Parkville, Australia*; ⁴*University of Oxford, Oxford, United Kingdom*; ⁵*Olivia Newton-John Cancer Research Institute, Heidelberg, Australia*; ⁶*La Trobe University School of Cancer Medicine, Melbourne, Australia*; ⁷*University of Miami Miller School of Medicine, Miami, FL*; ⁸*Vanderbilt University School of Medicine, Nashville, TN*; ⁹*Veterans Affairs Medical Center, Nashville, TN*; ¹⁰*Moffitt Cancer Center, Tampa, FL* Tuesday Lightning Session

- Tues Poster 53 **Validation of Tumor Proteogenomic Annotations;** Anindya Bhattacharya^{1, 2}; Vineet Bafna^{1, 2}; ¹*UC San Diego, La Jolla, CA*; ²*UC San Diego, La Jolla, CA* Tuesday Lightning Session

- Tues Poster 54 **Proteogenomics: in Silico Analysis to Investigate the Low Discovery Rate of Variant Peptides in Shotgun Proteomics;** Tung-Shing Lih^{1, 2}; Wai-Kok Choong^{1, 2}; ChiTing Lai^{2, 3}; Chia-Li Han⁴; Yu-Ju Chen²; Ting-Yi Sung¹; ¹*Institute of Information Science, Academia Sinica, Taipei, Taiwan*; ²*Institute of Chemistry, Academia Sinica, Taipei, Taiwan*; ³*GSB Degree Program, National Taiwan University, Taipei, Taiwan*; ⁴*School of Pharmacy, Taipei Medical University, Taipei, Taiwan*

- Tues Poster 55 **Expression Profiling of miRNA, mRNA and Protein Cargo of Myeloid Derived Suppressor Cells and Their Exosomes;** Catherine Fenselau¹; Lucia Geis-Asteggiante¹; Ashton Belew¹; Nathan Edwards²; Suzanne Ostrand-Rosenberg³; Najib El-Sayed¹; ¹*University of Maryland, College Park, MD*; ²*Georgetown University Medical Center, Washington, DC*; ³*University of Maryland Baltimore County, Baltimore, MD*

- Tues Poster 56 **Proteogenomic Characterization of Drug Resistance in the K562 CML Cell line;** Vinh Nguyen; Laurie Parker; *University of Minnesota, Minneapolis, MN*

- Tues Poster 57 **proBAMsuite, a Bioinformatics Framework for Genome-Based Representation and Analysis of Proteomics Data;** Xiaojing Wang; *Baylor College of Medicine, Houston, TX* Tuesday Lightning Session

Proteomics in Ageing, Tues Poster 58-61

- Tues Poster 58 **Analysis of the Effects of Dietary Signals on Protein Homeostasis;** Bradley Naylor; Richard Carson; Monique Speirs; John Price; *Brigham Young University, Provo, UT*

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- Tues Poster 59 **Characterization of Cell-Surface, Exosomal, and Secreted Proteins of Senescent Human Fibroblasts by DIA/SWATH**; Nathan Basisty; Judy Campisi; Bradford Gibson; Birgit Schilling; *Buck Institute for Research on Aging, Novato, CA*
- Tues Poster 60 **Proteomic and Metabolic Characterization of Oxidative Stress Responses Using a Stem-Cell Derived Multi-Tissue Disease Model of Age-Related Macular Degeneration**; Jesse G. Meyer¹; Thelma Y. Garcia¹; Birgit Schilling¹; Arvind Ramanathan¹; Deepak Lamba^{1, 2}; Bradford Gibson^{1, 3}; ¹*Buck Institute for Research on Aging, Novato, CA*; ²*University of Washington, Seattle, WA*; ³*Amgen, Thousand Oaks, CA*
- Tues Poster 61 **Monitoring Riboprotein Turnover Kinetics in Vivo Through Stable Heavy Isotope Labeling.**; Nathan Keyes; Richard Carson; Ryne Peters; Bradley Naylor; John Price; *Brigham Young University, Provo, Utah*

Proteomics in Drug Development, Tues Poster 62-63
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- Tues Poster 62 **TargetSeeker-MS: A Bayesian Inference Approach for Drug Target Discovery Using Protein Fractionation Coupled to Mass Spectrometry**; Mathieu Lavallée-Adam^{1, 2}; Jolene Diedrich^{1, 3}; Alexander Pelletier¹; William Low³; Antonio Pinto³; Salvador Martínez-Bartolomé¹; Michael Petrascheck¹; James Moresco^{1, 3}; John R. Yates¹; ¹*The Scripps Research Institute, La Jolla, CA*; ²*University of Ottawa, Ottawa, Canada*; ³*Salk Institute for Biological Studies, La Jolla, CA* Tuesday Lightning Session
- Tues Poster 63 **Identification of FMS-Like Tyrosine Kinase 3 (FLT3) Substrates Using KALIP**; Minervo Perez; *University of Minnesota, Minneapolis, MN* Tuesday Lightning Session