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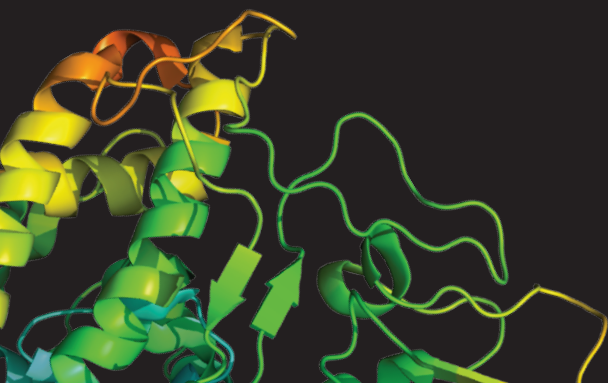
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Schedule

7:30 am – 8:30 am REGISTRATION, CONTINENTAL BREAKFAST and EXHIBITS

SESSION I Moderator: Ying Ge, Ph.D.

8:30 am – 8:35 am Welcome: **Allan Brasier, M.D.**

8:35 am – 9:20 am Opening Keynote Presentation:
Big Data, Health and COVID-19
Michael Snyder, Ph.D.

SESSION II Moderator: Lingjun Li, Ph.D.

9:20 am – 9:50 am Leveraging Proteomics and Metabolomics
for Precision Medicine during the
COVID Pandemic
Akilesh Pandey, M.D., Ph.D.

9:50 am – 10:20 am Discovery and Utilization of Protein Markers
in Niemann Pick Type C
Stephanie Cologna, Ph.D.

10:20 am – 10:40 am BREAK, POSTER SESSION and EXHIBITS

10:40 am – 11:10 am Identifying the Mechanism of Metabolic
Regulation During Macrophage
Immune Response
Jing Fan, Ph.D.

11:10 am – 11:40 am Metabolomics for Precision Medicine:
The Road to 25k
Gary Patti, Ph.D.

11:40 am – 1:10 pm LUNCH, POSTER SESSION and EXHIBITS

SESSION III Moderator: Judith Simcox, Ph.D.

1:10 pm – 2:40 pm Rising Star Presentations

2:40 pm – 3:00 pm BREAK

SESSION IV Moderator: Martha Vestling, Ph.D.

3:00 pm – 3:30 pm Chemistry and Biology of Protein
ADP-Ribosylation
Yonghao Yu, Ph.D.

3:30 pm – 4:00 pm Targeting Bacterial Virulence Through
Two-Component System Signaling
Erin Carlson, Ph.D.

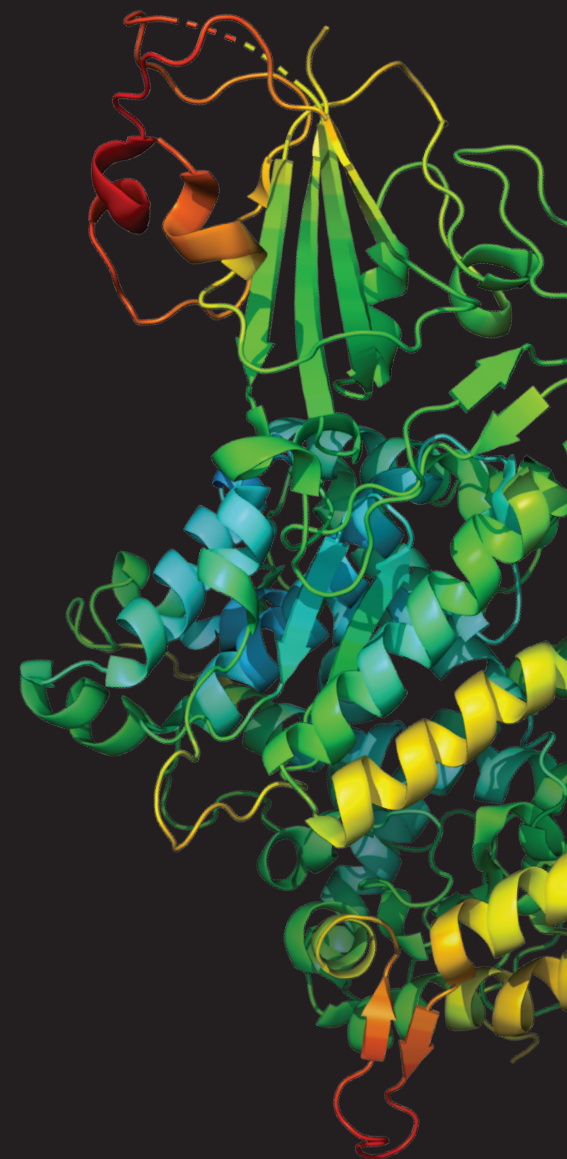
SESSION V Moderator: Ying Ge, Ph.D.

4:00 pm – 4:45 pm Closing Keynote Presentation: Two Sides
of Precision Medicine: Individualizing
Assessment and Therapies
Jennifer Van Eyk, Ph.D.

4:45 pm – 5:00 pm POSTER AWARDS and CLOSING REMARKS

Wisconsin Human Proteomics Symposium

Omics in Precision Medicine



August 5, 2022 | Madison, WI

Overview

The Human Proteomics Program at the University of Wisconsin-Madison and the BioPharmaceutical Technology Center Institute are pleased to offer this excellent symposium. The theme of this year's exciting program is **Omics in Precision Medicine**. Speakers will discuss recent advances in multi-omics technologies, including but not limited to, genomics, proteomics and metabolomics as well as their applications to precision medicine (or precision health). Meeting attendees will also discuss their recent work during poster sessions, including a contest open to graduate students and post-doctoral researchers.

Honorary Symposium Chair

Allan Brasier, M.D.

Senior Associate Dean for Translational and Clinical Research
School of Medicine and Public Health
University of Wisconsin-Madison, Madison, WI

Keynote Speakers

Michael Snyder, Ph.D.

Stanford W. Ascherman Professor and Chair,
Department of Genetics
Director, Center for Genomics and Personalized Medicine
School of Medicine, Stanford University, Stanford, CA

Jennifer Van Eyk, Ph.D.

Erika J. Glazer Chair in Women's Heart Health
Director, Advanced Clinical Biosystems Institute in the
Department of Biomedical Sciences
Director, Basic Science Research in the Women's Heart Center
Professor, Medicine; Professor, Biomedical Sciences
Cedars Sinai, Los Angeles, CA

Speakers

Erin Carlson, Ph.D.

Smith Professor, Department of Chemistry
University of Minnesota, Minneapolis, MN

Stephanie Cologna, Ph.D.

Associate Professor, Chemistry
University of Illinois–Chicago, Chicago, IL

Jing Fan, Ph.D.

Assistant Professor of Nutritional Sciences
Investigator, Morgridge Institute for Research
University of Wisconsin–Madison, Madison, WI

Akilesh Pandey, M.D., Ph.D.

Professor, Department of Laboratory Medicine and Pathology,
Center for Individualized Medicine
Founder and Director, Institute of Bioinformatics
Mayo Clinic, Rochester, MN

Gary Patti, Ph.D.

Michael and Tanya Powell Associate Professor, Chemistry
Washington University in St. Louis, St. Louis, MO

Yonghao Yu, Ph.D.

Professor, Department of Molecular Pharmacology and
Therapeutics Columbia University Irving Medical Center,
New York, NY

Session Chairs

Ying Ge, Ph.D.

Professor, Department of Cell and Regenerative Biology and
Department of Chemistry
Director of Mass Spectrometry, Human Proteomics Program
School of Medicine and Public Health (SMPH)
University of Wisconsin–Madison, Madison, WI

Lingjun Li, Ph.D.

Vilas Distinguished Achievement Professor, Charles Melbourne
Johnson Distinguished Chair of Pharmaceutical Sciences and
Chemistry, School of Pharmacy and Department of Chemistry
University of Wisconsin–Madison, Madison, WI

Martha M. Vestling, Ph.D.

Director, Mass Spectrometry Facility
Department of Chemistry
University of Wisconsin–Madison, Madison, WI

Rising Stars

Graham Delafield, Graduate Student, Lingjun Li Laboratory,
Department of Chemistry & Ambassador, Wisconsin Alumni
Research Foundation, University of Wisconsin–Madison,
Madison, WI

Cara Green, Postdoctoral Research Associate, Dudley Lamming
Laboratory, Department of Medicine, School of Medicine and
Public Health, University of Wisconsin–Madison, Madison, WI

Yuchen He, Research Assistant, Joshua Coon Laboratory,
Department Biomolecular Chemistry, of University of
Wisconsin–Madison, Madison, WI

Morgan Mann, Graduate Research Assistant, Allan Brasier
Laboratory, Department of Medicine, School of Medicine and
Public Health, University of Wisconsin–Madison, Madison, WI

Melissa Pergande, Ph.D., Postdoctoral Research Associate,
Ying Ge Laboratory, Department of Cell and Regenerative
Biology, School of Medicine and Public Health (SMPH),
University of Wisconsin–Madison, Madison, WI

David Roberts, Fellow, Research Assistant, Song Jin
Laboratory and Ying Ge Laboratory, Department of
Chemistry, University of Wisconsin–Madison, Madison, WI

Poster Judges

Daniel Amador-Noguez, Ph.D.

Associate Professor of Bacteriology,
University of Wisconsin–Madison, Madison, WI

Andrea Galmozzi, Ph.D.

Assistant Professor of Genetics, SMPH,
University of Wisconsin–Madison, Madison, WI

Judith Simcox, Ph.D. (Committee Chair and Session Chair)

Assistant Professor of Biochemistry,
University of Wisconsin–Madison, Madison, WI

Amy Weeks, Ph.D.

Assistant Professor of Biochemistry,
University of Wisconsin–Madison, Madison, WI