



# THE 2023 ANNUAL MEETING OF THE MIDLANDS SOCIETY OF PHYSIOLOGICAL SCIENCES

## Morning Sessions

8:00 – 8:45 AM	Registration, Check-in, & Breakfast (Atrium of DRC I Building)
8:45 – 8:50 AM	Opening Remark by So-Youn Kim, Ph.D., President of MSPS
8:50 – 8:55 AM	Welcoming Remark by Harold Schultz, Ph.D., MSPS Chapter Advisory Member and Member of the APS Chapter Advisory Committee
8:55 – 10:00 AM	<b>Keynote Lecture: Manolis Kellis, Ph.D.</b> Professor, Massachusetts Institute of Technology (MIT) <u>Introduced by William Chen, M.D., Ph.D.</u> Head, MIT Computational Biology Group Associate Member, Broad Institute of MIT and Harvard “AI for Genomic Medicine: Single Cell Dissection and Manipulation of Disease Circuitry”



## Oral Presentation

10:00 – 10:15 AM	<u>Hong Zheng, M.D. &amp; Ivan Vechetti, Ph.D. (Session Chairs)</u> <b>P8.</b> Postdoctoral Fellow Oral Presentation #1: <b>Anjali Bhat</b> , Ph.D. “Electrical Pulse Stimulated Muscle Cells Release Antioxidant Enriched Extracellular Vesicles Which Can Potentially Improve Endothelial Cell Dysfunction”
10:15 – 10:30 AM	<b>G8.</b> Graduate Student Oral Presentation #1: <b>Md Salim Ahammed</b> “PKA-Mediated Phosphoregulation and Activation of 26S Proteasomes Protects against Cardiac Hypertrophy and Heart Failure Induced by Systolic Overload”
10:30 – 10:45 AM	<b>U5.</b> Undergraduate Student Oral Presentation #1: <b>Noah Needle</b> “Hydrogen Sulfide Regulates Hyperglycemia-Induced Cell Death in Human Cardiomyocytes”
10:45 – 11:00 AM	Break
11:00 – 12:10 PM	<b>Poster Presentation I (Odd number)</b> (Atrium)

## Afternoon Sessions

12:10 – 12:50 PM	Lunch (DRC I Atrium or Room 1004)
12:00 – 1:00 PM	*Round Table Discussion with Dr. Manolis Kellis (Room DRC I 1005): Only applicants
12:50 – 2:00 PM	<b>Poster Presentation II (Even number)</b> (Atrium)
2:00 – 2:15 PM	<u>Cassandra L. Hays, Ph.D. &amp; Xuejun Wang, M.D., Ph.D. (Session Chairs)</u> <b>P2.</b> Postdoctoral Fellow Oral Presentation #2: <b>Amirhossein Abazarikia</b> , Ph.D. “Understanding the Unique Death Pathway in Oocyte Induced by Cisplatin”
2:15 – 2:30 PM	<b>G12.</b> Graduate Student Oral Presentation #2: <b>Kajal Kamra</b> “The Role of the Superior Cervical Ganglion in the Chronic Sensitization of Chemoreflex Post-Acute Lung Injury”
2:30 – 2:45 PM	<b>G19.</b> Graduate Student Oral Presentation #3: <b>Shaurav Bhattarai</b> “HIV-1 Infection Accelerates Alzheimer’s Pathobiology in Humanized APP Knock-In Mouse”
2:45 – 3:00 PM	Break
3:00 – 4:00 PM	<b>Invited Local Faculty Speaker: Shibiao Wan, Ph.D.</b> <u>Introduced by Surabhi Chandra, Ph.D.</u> Assistant Director for Bioinformatics and Systems Biology Core University of Nebraska Medical Center “Machine Learning for Processing Large-Scale Biological Data”
4:00 – 4:30 PM	Award Ceremony and Closing Remarks Chapter Award & Election Results Closing Remark by Outgoing President: So-Youn Kim, Ph.D. Remark by Incoming President: Hong Zheng, M.D.

