

ANNUAL REPORT 2022

SO-YOUN KIM, PHD (UNMC)
PRESIDENT-ELECT

CHAPTER OVERVIEW

Chapter Official Incorporated Name: The Midlands Society of Physiological Sciences

Established year (incorporation): 2019

State of incorporation: Nebraska and South Dakota

Website url: <https://msps-online.org>

Chapter Leadership

Chapter President: Xuejun Wang, Ph.D.

Chapter President-Elect: So-Youn Kim, Ph.D.

Past president: Paras Kumar Mishra, Ph.D.

Chapter Advisory Committee (CAC) rep: Paras Kumar Mishra, Ph.D.

Secretary: William Chen, Ph.D.

Treasurer: Cindy Norton

Chapter board/Council members and position: Hong Zheng, Ph.D. (Councilor), Surabhi Chandra, Ph.D. (Councilor), Seok-Yeong Yu, Ph.D. (Postdoctoral Fellow Representative)

Other Chapter Leadership (e.g. committee chairs): N/A

Nonprofit registered agent and contact: N/A

ANNUAL REPORT:

A. Describe your chapter's Annual Meeting overview

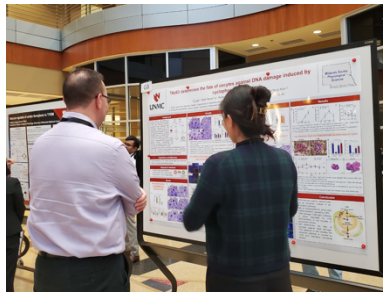
- The Midlands Society of Physiological Sciences (MSPS) held a scientific conference on October 7-8, 2022. The conference was held in-person meeting with approximately 72 attendees. The conference featured 33 submitted abstracts, 9 total speakers (3 keynote speakers, 2 local speakers, 2 post-docs, 4 graduate students, and 1 undergraduate student).
- The MSPS recognized 2 postdocs, 4 graduates, 1 undergraduate, and 7 posters and gave awards with certificates. We also acknowledged and gave a Service Appreciation Award Plaque to the past president Dr. Paras Kumar Mishra.
- The three keynote speakers were:
 - Dr. David A. Kass from Johns Hopkins University School of Medicine,
 - Heart Failure with Preserved Ejection Fraction-A big problem
 - Dr. Frank Faraci from University of Iowa School of Medicine,
 - Cerebral Circulation and Dementia
 - Dr. Patrick Seale from University of Pennsylvania.
 - Mesenchymal progenitor cells in fat tissue development and maintenance.

The two invited local Faculty Speakers were:

Dr. Pooneh Bagher from the University of Nebraska Medical Center gave a talk about Effects of Spaceflight on Coronary Function: Lessons from Rodent Research Missions and Dr. Yohaán Fernandes from University of South Dakota presented his research with the title of Use of zebrafish to model fetal alcohol spectrum disorders (FASD).

- We set up posters on the first day and had a poster session for two and a half hour long to give enough time for presenters and symposium attendees. To decrease complication, odd and even numbers of posters were divided.
- We had an event of Social and Dinner at Old Lumber Company Grill and Bar to make attendees socialize in person.
- We would like to thank our sponsors; University of South Dakota Sanford School of Medicine, Frontiers in Physiology, VisualSonics Fujifilm, American Physiological Society, Scintica: Instrumentation, University of Nebraska Medical Center, Kent Scientific Corporation.
- We would like to congratulate the following trainees for being selected for oral presentation awards based on their outstanding work.
 - Postdoc oral presentation #1: Seok-Yeong Yu, Ph.D. “Uncovering Tumor-Promoting Roles Of Activin A In Pancreatic Ductal Adenocarcinoma”
 - Postdoc oral presentation #2: Mark Bouska, Ph.D. “Rna Sequencing Across Lifespan Of The Cardiac Specific Cryabr120g Proteotoxic Stress Mouse Model”
 - Grad student oral presentation #1: Liuqing Yang, “Genetic Mimicry Of The Activation Of 26s Proteasomes By Camp-Dependent Protein Kinase Protects Against Proteotoxicity”
 - Grad student oral presentation #2: Shane Boomer, “Pressor Response And Pvn Activity In Capsaicin-Induced Excitatory Renal Reflex In Normotensive And Shr Rats”
 - Grad student oral presentation #3: Mingqi Cai, “Sustained But Decoyed Activation Of The Jak1-Stat Pathway By Expression Of Misfolded Proteins Exacerbates Proteotoxicity”
 - Grad student oral presentation #4: Samiksha Giri, “The Cop9 Signalosome Promotes Neointimal Hyperplasia Through Cullin Deneddylation Dependent And Independent Mechanisms”
 - Undergrad student oral presentation: Wyatt Windhorst, “Cardiomyocyte-Restricted Overexpression Of Rpn6 Increases Myocardial Proteasome Peptidase Activities In Mice”
- We also would like to congratulate the following trainees for being selected for outstanding poster presentation awards.
 - Anjali Bhat, Ph.D. University of Nebraska Medical Center for OUTSTANDING POSTER PRESENTATION In the Category of Postdoctoral Fellows (1st Place)
 - Neha Dhyani, Ph.D. University of Nebraska Medical Center for OUTSTANDING POSTER PRESENTATION In the Category of Postdoctoral Fellows (2nd Place)

- Yi Luan, University of Nebraska Medical Center for OUTSTANDING POSTER PRESENTATION In the Category of Graduate Students (1st Place)
- Flobater I. Gawargi, University of Nebraska Medical Center for OUTSTANDING POSTER PRESENTATION In the Category of Graduate Students (2nd Place)
- Rosemary Dong, University of Nebraska Medical Center for OUTSTANDING POSTER PRESENTATION In the Category of Graduate Students (3rd Place-Tie)
- Dalton Staller, University of Nebraska Medical Center for OUTSTANDING POSTER PRESENTATION In the Category of Graduate Students (3rd Place-Tie)
- Tiffany M. Knecht, University of South Dakota for OUTSTANDING POSTER PRESENTATION In the Category of Undergraduate Students.



B. Describe your chapter's greatest accomplishment other than the annual meeting
 : Helped Judging Nebraska High School Science Fair

CHAPTER STATISTICS

Chapter Board/Council Meetings

- Number of leadership/board meetings during year (face to face OR virtual): The MSPS Council had 13 meetings during 2022, 12 virtual and one in-person.