

AGENDA

The 2022 John H. Lawrence Biomedical Symposium and MSPS Annual Meeting

Friday, October 7th, 2022

- 11:45 am – 12:25 pm **Registration & Check-in** (Atrium of Lee Medical Science Building [LMS])
Address for GPS Navigation to **USD Visitor Parking Lot #36**:
912 N Dakota St, Vermillion, SD 57069 (“Pizza Ranch” restaurant, right across lot #36)
- 12:25 pm – 1:20 pm **Lunch** in LMS Atrium
- 1:20 pm – 4:35 pm **Scientific Session #1** (LMS 107)
Moderator: XJ Wang, M.D., Ph.D.
- 1:20 – 1:30 Opening Remark by Dr. XJ Wang, President of MSPS
- 1:30 – 1:35 Welcoming Remark by Tim Ridgway, M.D., USD VP/Dean, Sanford School of Medicine
- 1:40 – 2:40 **Opening Keynote Lecture**: David A. Kass, M.D.
Introduced by XJ Wang, M.D., Ph.D.
Speaker: David A. Kass, M.D.

Abraham and Virginia Weiss Professor of Cardiology
Professor of Biomedical Engineering, Pharmacology and Molecular Sciences
Director, Institute of CardioScience
Johns Hopkins University School of Medicine, Baltimore, MD
Title: “Obesity and Heart Failure with Preserved Ejection Fraction – A big problem”
- 2:40 – 3:15 Invited Local Faculty Speaker #1:
Speaker: Pooneh Bagher, PhD

Associate Professor, Dept of Cellular & Integrative Physiology
University of Nebraska Medical Center (UNMC), Omaha, NE
Title: “Effects of Spaceflight on Coronary Function: Lessons from Rodent Research Missions”
- 3:15 – 3:35 Postdoc oral presentation #1: Seok-Yeong Yu, Ph.D. (P2: Submission ID 17)
“UNCOVERING TUMOR-PROMOTING ROLES OF ACTIVIN A IN PANCREATIC DUCTAL ADENOCARCINOMA”
- 3:35 – 3:55 Grad student oral presentation #1: Liuqing Yang (G4: Submission ID 07)
“GENETIC MIMICRY OF THE ACTIVATION OF 26S PROTEASOMES BY CAMP-DEPENDENT PROTEIN KINASE PROTECTS AGAINST PROTEOTOXICITY”
- 3:55 – 4:15 Grad student oral presentation #2: Shane Boomer (G6: Submission ID 09)
“PRESSOR RESPONSE AND PVN ACTIVITY IN CAPSAICIN-INDUCED EXCITATORY RENAL REFLEX IN NORMOTENSIVE AND SHR RATS”
- 4:15 – 4:35 Undergrad student oral presentation: Wyatt Windhorst (U2: Submission ID 13)
“CARDIOMYOCYTE-RESTRICTED OVEREXPRESSION OF RPN6 INCREASES MYOCARDIAL PROTEASOME PEPTIDASE ACTIVITIES IN MICE”
- 4:35 - 5:05 **Poster Setup** in LMS Atrium
- 6:00 pm – 9:00 pm **Social and Dinner** at [Old Lumber Company Grill and Bar](#) (15 Court St, Vermillion, SD 57069)

Saturday, October 8th, 2022

8:00 am – 8:55 am Breakfast in LMS Atrium and 107

9:00 am – 3:45 pm **Scientific Session #2**

Moderators: Hong Zheng, M.D.; Co-Chair of the Organizing Committee
So-Youn Kim, Ph.D.; Co-Chair of the Organizing Committee

09:00 – 10:00 **Keynote Lecture #2:** Frank M. Faraci, Ph.D.



Introduced by William Mayhan, Ph.D., Dean of BBS, USD Sanford School of Med
Speaker: Frank M. Faraci, Ph.D.

Professor of Internal Medicine-Cardiovascular Medicine

Professor of Neuroscience and Pharmacology

Carver College of Medicine, University of Iowa Health Care, Iowa City, IA

Title: “Cerebral Circulation and Dementia”

10:00 – 10:35 Invited Local Faculty Speaker #2:



Speaker: Yohaán Fernandes, Ph.D.

Assistant Professor, Dept of Biology and Division of Basic Biomedical Sciences

University of South Dakota, Vermillion, SD

Title: “Use of zebrafish to model fetal alcohol spectrum disorders (FASD)”

10:35 – 10:55 Grad student oral presentation #3: Mingqi Cai (G5: Submission ID 08)
“SUSTAINED BUT DECOYED ACTIVATION OF THE JAK1-STAT PATHWAY BY
EXPRESSION OF MISFOLDED PROTEINS EXACERBATES PROTEOTOXICITY”

10:55 – 11:20 Break & Poster Viewing

11:20 – 11:40 Grad student oral presentation #4: Samiksha Giri (G1: Submission ID 03)
“THE COP9 SIGNALOSOME PROMOTES NEOINTIMAL HYPERPLASIA THROUGH
CULLIN DENEDDYLATION DEPENDENT AND INDEPENDENT MECHANISMS”

11:40 – Noon Postdoc oral presentation #2: Mark Bouska, Ph.D. (P5: Submission ID 24)
“RNA SEQUENCING ACROSS LIFESPAN OF THE CARDIAC SPECIFIC
CRYABR120G PROTEOTOXIC STRESS MOUSE MODEL”

Noon – 2:30 **Lunch and Poster Presentation** (LMS Atrium)

12:30 pm – 1:20 pm **Poster Session #1 (Odd Number)**

1:30 pm – 2:20 pm **Poster Session #2 (Even Number)**

2:30 – 3:30 **Keynote Lecture #3:** Patrick Seale, Ph.D.



Introduced by So-Youn Kim, Ph.D.

Speaker: Patrick Seale, Ph.D.,

Professor, Department of Molecular and Developmental Biology

Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA

Title: “Mesenchymal progenitor cells in fat tissue development and maintenance”

3:30 pm – 4:00 pm **Award Ceremony and MSPS Business Meeting**

3:30 – 3:45 Award Ceremony and Sponsors Acknowledgement

3:45 – 4:00 MSPS Business Meeting

APS offers Chapter Award

Financial Report: Cindy Norton

Election Results: Dr. XJ Wang

Closing Remark by Outgoing President: Dr. XJ Wang

Remark by Incoming President: Dr. So-Youn Kim