Dear Colleagues,

I’d like to personally invite you to attend the 20th annual meeting of the Iowa Physiological Society, to be held on Saturday, April 25th at Des Moines University. The mission of the Iowa Physiological Society (IPS) is to unite physiologists in enhancing, networking and advancing physiology throughout the State of Iowa. This is at the molecular, cellular, organ and whole body levels. Both basic and applied research as well as teaching are included.

As such, the program will include a combination of oral and poster presentations on both Research and Education in Physiology. The Keynote Address in Physiological Research will be delivered by Mark Chapleau, PhD, Internal Medicine, Physiology, Biophysics, Cardiology, University of Iowa. The Keynote Address in Physiological Education will be delivered by Barb Goodman, PhD, Physiology, Basic Biomedical Sciences, University of South Dakota.

This year there will be group activities that address physiology education and undergraduate research opportunities. The teaching workshop will hopefully provide the ground for further communication, and mutual learning and collaboration among participants that teach physiology. Undergraduate attendees will have the opportunity to learn how to find and prepare a proper application for summer REUs. The discussions will be facilitated by a panel of experts but will involve a large amount of attendee participation.
We invite abstract submission from faculty, postdoctoral fellows, graduate and undergraduate students. Abstracts can be in either physiological research or education. We are happy to announce that there will be poster competition for graduate and undergraduate students with awards to first, second and third place winners in each category.

Below you will find a preliminary program and link to submit your abstracts as well as abstract judgment criteria. We look forward to your participation in the program and a successful meeting! Please enjoy some photos from our previous meetings.

Sincerely,
Michael C. Lyons, President

Target Audience

Scientists, physician scientists, educators, undergraduate students, graduate students, and postdoctoral fellows. You do not need to be a member of the Iowa Physiological Society to attend.

Objectives

1. Exchange the latest progresses in the field of physiological research and education.
2. Exchange best approaches to meet the current challenges in physiological education at different environments.
3. Discuss challenges to doing research at different environments in the current climate of funding and ways to meet those challenges.
4. Enhance communication, interaction and collaboration among scientists, educators and students via the above activities.

Agenda

Subject to change

8 am  Registration, Breakfast, and Poster Set-Up

9 am  Opening Remarks

9:05 am  Research Presentation: Contribution of Cyclooxygenase and Reactive Oxygen Species to Cerebral Dilation in Human Metabolic Syndrome  
John Harrell, PhD, Drake University

9:40 am  Keynote Research Address: The Baroreceptor Reflex: From Sensors to Sympathetic Neurons, and Beyond  
Mark Chapleau, PhD, University of Iowa

10:40 am  Break and Poster Viewing

11:30 am  Keynote Education Address: Case-Based and Problem-Based Learning in Physiology  
Barb Goodman, PhD, University of South Dakota

12:30 pm  Lunch and Poster Viewing
1:30 pm  Group A: Faculty and Graduate Student Workshop
How to Contribute to Scholarly Activity in Education
Facilitator: Barb Goodman, PhD

Group B: Undergraduates Student Workshop
Undergraduate Research Opportunities: Summer REUs and How to Apply
Facilitator: Sriram Sundararajan, PhD, Iowa State University

2:15 pm  Highlights from Group Discussions

2:30 pm  Research Talk: Speaker Selected from Submitted Abstracts

3 pm  Research Talk: Speaker Selected from Submitted Abstracts

3:30 pm  Break and Poster Viewing

4:15 pm  A Novel Approach to Incorporating Research into an Anatomy and Physiology Course Using Culturally Competent Strategies
Juanita Limas, MS, Kirkwood Community College

4:45 pm  Poster Award Presentations and Closing Remarks

5 pm  Adjourn

5:15 – 6 pm  IPS Board Meeting

Speakers

Mark Chapleau, PhD
Professor, Internal Medicine, Physiology, Biophysics, Cardiology, University of Iowa
Biography

Barb Goodman, PhD
Professor of Physiology, Division of Basic Biomedical Sciences, Sanford School of Medicine of The University of South Dakota
Biography
Faculty and students are encouraged to submit abstracts. Prizes will be awarded to 1st, 2nd and 3rd place winners in both the undergraduate and graduate poster competition categories. All abstracts will be published in the meeting program. The deadline to register your poster and submit your abstract is Monday, April 13, 2015.

Click here for additional information regarding abstract submissions and poster guidelines.

Registration

Please share with your colleagues if you think they may be interested in attending.

- Students – $25
- Postdoctoral Research Fellows – $35
- IPS Professional Members – $50
- Non-IPS Members and other professionals – $60

Cancellation Policy

- All cancellations must be received in writing at cme@dmu.edu.
- A nonrefundable administrative fee (50% of registration fee) will be charged for all cancellations.
- No refunds will be given three (3) business days prior to the activity start date.
- Cancelled registrations can be transferred to another individual for the same activity.
- Individuals who fail to attend the activity (no-shows) will not be entitled to any refund. Forfeited fees may not be applied to subsequent activities.

**Register online**

### Sponsors

**Des Moines University**

### Contact

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