Message from the CV Section Chair
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Dear Members of the Cardiovascular Section,

It has been an honor and a pleasure to serve as Chair of the CV Section for the past three years. The CV Section remains the largest section of the APS and we have a strong history of service and leadership in the society. I am pleased to announce that Dr. Michael Sturek, Dept. of Cellular and Integrative Physiology, Indiana School of Medicine has been elected as the next chair of the Section. I know he will do a great job and that Section will continue to thrive under his leadership. While the CV Section remains strong, we need the support of every member, so please continue to volunteer for CV Section and APS committees and also, please remember to vote for CV Section representatives to APS Council and for APS President.

April is rapidly approaching, and I look forward to seeing all of you in Orlando for EB 2019, April 6-9. The CV Section has put together a superb program of Award lectures, symposia, featured topics, and poster sessions. The CV Sponsored Symposia and Featured Topics sessions are listed later in this newsletter. In addition, the CV section will have its annual Trainee Reception and Mixer (6:00-7:00 PM) on Monday evening, April 8, 2018 at the BBKing’s Blues Club. This will be followed by our annual Awards Banquet (7:00-10:00PM). If you haven’t already purchased your tickets for this event, you can do so at the following link:

https://store.the-aps.org/Product/viewproduct/?ProductId=13804053
The CV Section has a series of awards that are presented at Experimental Biology and I encourage all Section members to attend the sessions associated with these awards. We sponsor two major awards: the Berne Lecture and the Wiggers Award.

The Berne Lecturer for EB 2019 is Dr. Rong Tian, Anesthesiology and Pain Medicine, Mitochondria and Metabolism Center, University of Washington who will speak on “Cardiac metabolism: an odyssey of energy and beyond.” This presentation will be on Monday, April 8 at 8:30-9:30 AM in Room W308AB of the Orlando Convention Center.

The Wiggers Awardee for EB 2019 is Dr. Shu Chien, Professor of Medicine and Bioengineering and Director of the Institute of Engineering in Medicine, University of California, San Diego. His presentation, “Epigenetic Regulation of Mechanotransduction in the Cardiovascular System” and Featured Topic will be made on Monday, April 8 3:30-5:00 PM in Room W311AC of the Orlando Convention Center.

In addition to the Berne and Wiggers Awards, the CV Section also co-sponsors the Kaley Award along with the Microcirculatory Society, Inc. This year's Kaley Awardee is Dr. Paul Kubes, Professor and Director, Snyder Institute for Chronic Diseases, University of Calgary, who will speak on "The microcirculation and its many cells that contribute to tissue repair." His presentation and Featured Topic will be Sunday, April 7, 2019, 8:30-10:00 AM, Room W308AB, Orlando Convention Center. Additional awards are listed below under the Awards Committee Report.

As noted above, we will have the CV Section Mixer/Banquet at BBKing’s Blues Club, 9101 International Dr. #2230, Orlando, FL 32819 on Monday, April 8. Limited tickets may be available on a first come basis at the APS office located in the Hyatt Regency Orlando. The trainee only reception will be from 6:00 to 7:00 pm followed by a reception at 7:00 pm and food service at about 7:45 pm. Trainee awards will be made about 30 min after food service begins. I look forward to seeing everyone there!

I would like to encourage every member of the CV Section to donate to the CV Section’s Endowment fund. The APS matches every dollar donated up to $25,000, effectively doubling your contribution. We currently have $36,490 with a goal of $50,000. The CV Section Endowment will be used to support Trainee Awards. Every dollar counts, so even small donations are welcome. We greatly appreciate your generosity. Here is a link where you can donate online: http://ebus.aps.org/PersonifyEbusiness/Default.aspx?TabID=1515&ProductId=2068065

I look forward to seeing everyone in Orlando!

Sincerely,

William F. Jackson, Ph.D., FAHA, FCVS
Chair APS CV Section
Hello Everyone! It’s been a long winter here in Mid-Missouri. I hope you are as ready as I am for the Spring to come. I’m looking forward to great weather and heat in Orlando for a fabulous Experimental Biology meeting this April. As it is our tradition, Part of that fabulous experience will be seeing you all at our CV Section Mixer/Dinner, which this year will be held at BBKing’s Blues Club. The Club is within walking distance from the Convention Center. We will start the banquet with a mixer for trainees at 6:00pm and will follow with reception at 7:00 and dinner starting at 7:45pm. Remember that attending the banquet is a great opportunity to establish collaborations and celebrate the scientific achievements of our fellow CV section members. Thank you very much to all our sponsors including ADInstruments, FujiFilm, VisualSonics, DSI and the Department of Medical Pharmacology and Physiology at the University of Missouri.
Message from CV Section Programming
Marielle Scherrer-Crosbie, M.D., Ph.D., FCVS and Anne Dorrance, Ph.D. co-Chairs
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The CV section has lots of exciting sessions for EB2019, including 7 featured topic sessions featuring trainees and early career investigators. We also have 5 symposia and two award sessions.

We are also happy to announce the return of the CV section Young Investigator Award. Three Graduate Students and three Post-doctoral Fellows will be invited to present their research in this session and a panel of judges will select the best presentation from each group for special recognition.

Investigator Initiated Featured Topics:
- Cardiac ECM Niche in Health and Disease
- Aging, Exercise and Heart Failure: Common Connections and New Targets
- Cardiac and Peripheral Vasculopathies: Emerging Biomarkers, Imaging and Treatments
- Cardiovascular Metabolism in Diabetes

Award Featured Topic Sessions:
- Kaley Award Featured Topic: The Microcirculation and Its Many Cells that Contribute to Tissue Repair, Dr. Paul Kubes
- Wiggers Award Featured Topic; Epigenetic Regulation of Mechanotransduction in the Cardiovascular System, Dr. Shu Chien

Symposia:
- Protein Degradation Mechanisms: A Compartmentalized Affair in Cardiac Muscle and Disease?
  - American Journal of Physiology-Heart and Circulatory Physiology Editors Symposium
  - Thoracic and Abdominal Aortic aneurysm: from Models and Mechanism to clinical trials and therapy updates
- Neurodegeneration and heart failure: An intimate connection
- Survived a Complicated Pregnancy? Maternal, Postpartum, and Fetal Cerebrovascular Risks

Also, believe it or not, it is time to start planning EB2020. We are now accepting applications for Featured Topic and Symposia Sessions to be presented in sunny San Diego (April 4-8 2020). Featured topics require that you select one keynote speaker. Featured Topic Chairs will then be able to select trainee abstracts for those submitted to the meeting to round out the session. Symposia sessions require that you identify 4-5 speakers ahead of time. Submitting either session type is a great way to ensure that the science you are interested in is well represented at the meeting. You don’t need to be a senior investigator to submit a session idea, in fact, this is a brilliant way for trainees and early career scientists to network with the leaders in their fields.

The deadline for applications is March 11st, please contact Anne Dorrance (dorranc3@msu.edu) for more information.
Greetings Trainees,
I hope see you all in Orlando for EB 2019. Please mark your calendars for the following EB 2019 trainee events:

- CV Section Young Investigator Symposium and Outstanding Trainee Awards
- CV Section Trainee Reception and CV Section Banquet
- APS Trainee Symposia

This year will be the second year for the CV Section Young Investigator Symposium. I highly recommend all of CV section to attend and support those trainees that were chosen to compete for the Outstanding Trainee Awards. This symposium will be held on Monday, April 8, 2019 — 1:30 PM - 3:00 PM. Winners will be announced at the CV section banquet.

Attend the Trainee Reception at the CV Section Awards Banquet at EB 2019
The CV Section Awards Banquet will be held at the BBKings Blues Club on Monday evening, April 8. The Trainee Reception will begin at 6:00pm- an excellent opportunity for you to meet other CV Section trainees.

Trainee Symposia at EB 2019
The APS Trainee Advisory Committee sponsored symposium- “Marketing Yourself for a Successful Career” will be divided into three separate sessions: 1) Sunday, April 7, 2018 — 7:00 AM - 8:00 AM, 2) Monday, April 8, 2018 — 7:00 AM - 8:00 AM, and 3) Tuesday, April 9, 2018 — 7:00 AM - 8:00 AM. Each speaker will address a key topic including: 1) How to Build Marketable Skills, 2) How to Market yourself on Paper, and 3) How to Market yourself through Networking. I highly encourage you all to attend.
Message from the Career Opportunities in Physiology Committee
Kelly Anne Hyndman, Ph.D.
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The Career Opportunities in Physiology Committee supports a number of APS programs to foster the career development of physiologists of all ages:

**EB Symposium: “The Hidden Job: Skills for a Career in Physiology”**
Join us Sunday, Monday, and Tuesday, 7:00am-8:00am in the Orlando Convention Center, Room W311D for a light breakfast and a series of discussions on hidden job skills. Careers in science require several skills and proficiencies that extend beyond the normal training practices. These include such things as negotiation skills, scientific society involvement, moving between academia and industry, and many others. The focus will be on those skills that are not a common aspect of training. Speakers will address these issues from a perspective of “what I wish I knew before I started this job” and “things no one told me I needed to know before I started.” This symposium will have an interactive format facilitated by leaders in academic, industry, teaching, governmental, and society roles. The targeted audience of trainees and established investigators alike will be exposed to the perspectives of the facilitators and will be able to incorporate the non-traditional training advice of the facilitators into their individual career plans. Visit [www.the-aps.org/the-hidden-job](http://www.the-aps.org/the-hidden-job) for more information.

**Experimental Biology Undergraduate Orientation and Poster Sessions**
Open to all undergraduate students attending EB, the Undergraduate Orientation session serves as a primer to help the students get the most out of their EB experience, and includes award presentations for various APS-sponsored undergraduate research programs. This will be held at the Hyatt Regency Orlando, Plaza International Ballroom J/K from 3:00-5:00pm, April 6. There is also a special poster session for undergraduate students at EB, held from 3:30-5:00pm (undergrad presenters must arrive by 2:00pm to check-in and hang posters) on April 7 in the Orange County Convention Center, Valencia Ballroom D – please stop by and meet the next generation of physiologists!

**Experimental Biology PhUn Week Poster Session**
Physiology Understanding (PhUn) week is a nationwide outreach program that builds connections between scientists and their local schools. During PhUn week, APS members engage students in interactive, hands-on physiology activities. Please stop by the PhUn Week poster session, open to all APS members, held from 7:00-9:00am on April 7 in the Orange County Convention Center, Valencia Ballroom C, to see how your colleagues helped promote physiology outreach and to see how you can get involved with PhUn week.

**The APS Local Undergraduate Research Award in Physiology (LURAP)**
LURAP allows APS Members to recognize excellence in physiology research by undergraduates at their home institutions. The award fosters interest in physiological research for undergraduates, encourages them to continue with physiological studies,
The latest issue of AJP-Heart and Circulatory Physiology features research articles and reviews on cardiac excitation and contraction, cancer therapy-induced cardiovascular toxicity, cardiovascular neurohormonal regulation, integrative cardiovascular physiology, vascular biology, ventricular function, myocardial ischemia, and sex differences. https://www.physiology.org/toc/ajpheart/current

Take a guided tour of the Table of Contents of every issue with Editor in Chief Dr. Irv Zucker on the AJP-Heart and Circ YouTube channel. From the Editor’s Desk Table of Contents Highlights: https://bit.ly/2TuBgUA
SUBMIT

Easy online submission with NO submission fees! https://ajpheart.msubmit.net

Call for Papers on Microbiota and Cardiovascular Disease
Deadline June 30, 2019
https://www.physiology.org/ajpheart/microbiota-and-cardiovascular-disease

Call for Papers on Regulation of Coronary Blood Flow in Normal and Ischemic States
Deadline June 30, 2019

Call for Papers on Molecular and Pathophysiological Mechanisms of Pediatric Heart Failure
Deadline June 30, 2019

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Message from the Communications Committee
Jerome Breslin, Ph.D.
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Check out the APS CV Section Online Feeds and Never Miss a Beat!

Connect with the APS CV Section on Social Media!
Our feeds provide daily updates about:
• Recent Publications.
• CV Section Awards.
• Trainee Initiatives.
• Abstract Deadlines.
• Getting Involved.

Also be sure to check Job Postings and Announcements on APS Connect!
Message from the Awards Committee Chair
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The APS-CV Section continues to encourage all eligible candidates to apply and nominate for the prestigious APS CV Section Awards. These include the junior and established investigator awards:

- The Cardiovascular Section **Research Recognition Awards** are designed to encourage submission of abstracts to the Experimental Biology meetings from junior investigators (i.e., doctoral students and postdoctoral fellows).
- The Cardiovascular Section **Clinical Science Young Investigator Award** is sponsored by Portland press. This award recognizes an outstanding junior investigator involved in cardiovascular research, with a focus on translational science and medicine (linking basic science to disease mechanisms).
- The Cardiovascular Section **New Investigator Award** recognizes outstanding investigators in the early stages of their career who have made meritorious contributions to the scientific areas represented by the Cardiovascular Section of the APS.
- The Cardiovascular Section **Outstanding Trainee Awards** recognizes outstanding postdoctoral and predoctoral trainees who are on a trajectory to make meritorious contributions to the scientific areas represented by the Cardiovascular Section of the APS. Chosen finalists will be judged by their oral presentation in the **Featured Topic session: APS Cardiovascular Section Young Investigator Award**.
- The Cardiovascular Section **Carl J. Wiggers Award** is presented to a scientist who is a Fellow of the Cardiovascular Section of the APS, has made outstanding contributions to cardiovascular research throughout their career, and has been an active and committed member of the section, and will attract outstanding new members to the Cardiovascular Section.
- The Cardiovascular Section **Robert M. Berne Distinguished Lectureship** is presented to an emerging leader in cardiovascular research whose current research is particularly stimulating, such that the presentation of this work would contribute to interest in, and growth of, the Cardiovascular Section.
- The **Gabor Kaley Lectureship/Symposium** is a joint initiative of the American Physiological Society (APS) and the Microcirculatory Society (MCS). The symposium reflects Dr. Gabor Kaley’s contributions and interests in cardiovascular physiology that embodied a particular focus on the microcirculation. Awardees are selected by a joint committee comprised of APS and MCS members.

Click here for more detail on CV Section Awards.
A special thank you to our sponsors!

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University of Missouri