1. News from the Chair:

Dear Members of the Cardiovascular Section,

It is that time of year where we are all getting prepared to submit abstracts for the 2013 EB Meeting to be held in Boston. The newsletter provides an update of items of interest to members of the CV section.

The mission of the CV Section is to further the Cardiovascular Disciplines by vigorously supporting and promoting our scientific programming at the annual Experimental Biology meeting, by encouraging the activities of our younger members, and by recognizing the achievements of our members with an active awards program.

We all want to make the CV Section responsive to the needs of the members. Please let me know what you like, what you do not like, and suggestions about the CV Section and the EB meetings. The leadership of the CV section wants to be of service to you and make your membership valuable to your professional career.

Several items of note for the membership:

- Kudos to the following trainees: Martin Bahls, Shekhar Deo, Styliani Goulopoulou, Nabil Rashdan, Inger Stallmann-Jorgensen, and Jie Xie who are primary members in the CV section. They were recipients of the Caroline tum Suden/Frances Hellebrandt Professional Opportunity Award presented at EB 2012.

- The voting membership of the CV Section approved the revision to the Statement of Organizations and Procedure: I appreciate all of the comments that were made last summer. The changes suggested by the membership were included in the approved version. [http://www.the-aps.org/mm/hp/Audiences/Sections/Sample-Category-1/SOPCVS10web.pdf](http://www.the-aps.org/mm/hp/Audiences/Sections/Sample-Category-1/SOPCVS10web.pdf)

- EB2013 will be held in Boston, from April 21st – April 25th. Please note that there will be CV scientific sessions through Wednesday afternoon. Last year we had excellent attendance throughout the meeting. I encourage you to attend as many CV sessions as possible. Keep this in mind when making travel plans for the meeting. Also, I encourage you to make every attempt to attend the two named CV Section Awards, the Berne Lectureship and the Wiggers Featured Topic Session. The Berne Lecturer for EB 2013 is Dr. David Lefer and the Wiggers Award winner is Dr. David Gutterman (see below).
Dr. David Lefer (left) of Emory University will be The Berne Lecturer and Dr. David Gutterman (right) of The Medical College of Wisconsin will be The Wiggers Awardee.

David J. Lefer received his B.S., The University of Richmond in 1986, and his Ph.D., Wake Forest University in 1991. He is currently Professor of Surgery and Director of the Surgical Research Laboratories at Emory University. Dr. Lefer has received numerous awards including the Ben Lucchesi Award from ASPET in 2011. He has been a grant reviewer for NIH, most recently on the Myocardial Ischemia and Metabolism Study Section, an author of over 170 manuscripts, and has been well funded for two decades. Dr. Lefer is a dedicated member of the APS having served on many important CV Section committees such as Awards and Programming.

David Gutterman received both his B.A., Mathematics and Chemistry in 1976, and his M.D., in 1980, from the University of North Carolina, Chapel Hill. He is currently the Northwestern Mutual Professor of Medicine and Senior Associate Dean for Research at The Medical College of Wisconsin, Milwaukee, WI. Dr. Gutterman, a practicing Cardiologist, has received numerous awards for his research and service such as the George E. Brown Memorial Lectureship from the American Heart Association. He is a permanent member of the NIH Myocardial Ischemia and Metabolism Study Section, an author of over 100 manuscripts, and has had continuous funding since 1982. Dr. Gutterman is a dedicated member of the APS having served on many committees and was the Head of the CV Section from 2004-2007.

Please make your hotel reservations early. Note that the meeting is at the new Convention Center. The Renaissance Hotel is the APS headquarters with the Westin nearby. These are the only hotels next to Convention Center. There are less expensive hotels at the airport, which I have been told is a short subway “T” ride to the Convention Center.

- Please consider nominations for both the Berne Lectureship and Wiggers Awards for EB 2014.
- Finally I would encourage you to make a tax-deductible donation to the CV section. These donations are used to support the CV section Awards, the Trainee Reception before the CV banquet, and the CV banquet. You can make donations online at https://ebus.the-aps.org/ebusprod/OneClickDonation/tabid/229/Default.aspx?ProductId=80. You will have to login to make a donation. All donors are acknowledged on the CV Section page, http://www.the-aps.org/mm/hp/Audiences/Sections/Sample-Category-1/sponsors.pdf

Best wishes to all,

Robert Hester, Ph.D.,
Chair, CV Section
2. **News from the Secretary/Treasurer: David W. Busija:**

We will have the Trainee Mixer followed by the Section Dinner on Monday night, April 22, 2013 at the **Top of the Hub Restaurant & Skywalk, Prudential Tower, 800 Boylston Street, Boston, Massachusetts.** The site affords a fantastic view of downtown Boston and is relatively close to the Boston Convention and Exhibition Center and most convention hotels, and is convenient to public transportation. Ticket sales will begin in January, 2013. Please join us for this important and fun CV Section Event.

3. **Awards Committee: David W. Stepp, Ph.D., Chair:**

Applications for the EB13 Clinical Science Young Investigator, New Investigator and Research Recognition Award can be submitted at [http://www.the-aps.org/mm/awards/sections/cvsecs](http://www.the-aps.org/mm/awards/sections/cvsecs). The Deadline is November 8th, 2012.

Nominations for the EB14 Berne and Wiggers Awards can be submitted at [http://www.the-aps.org/mm/awards/sections/cvsecs](http://www.the-aps.org/mm/awards/sections/cvsecs). The deadline is February 1, 2013. Please note that the application process has been shortened.

3. **APS Committee Membership: CV Section Representative to the APS Committee on Committees (CoC): Ronald J. Korthuis, Ph.D., Chair**

**CV Section Nominating Committee, Johnathan Tune, Ph.D. Chair**

We are looking for CV section members to serve on both APS Committees and CV Section Committees.

A call for applications for service on American Physiological Society (APS) committees for 2014 committee appointments was sent out on Oct 3rd. Cardiovascular Section member participation on APS committees is essential to the continued evolution and vitality of the Society and our discipline as this service provides an effective avenue for input into the operation and future directions of the APS and our annual Experimental Biology meeting. We strongly encourage all of our members to consider applying for appointment to APS committees. Information can be found at [http://www.the-aps.org/mm/hp/Audiences/APS-Committees/nominations](http://www.the-aps.org/mm/hp/Audiences/APS-Committees/nominations)

A call for applications for service on **CV Section Committees** will be sent out in December, 2012. Serving on a CV Section Committee is an excellent opportunity to contribute to the operations of the CV Section. If you have any questions please contact Johnathan Tune at jtune@iupui.edu.

4. **Announcement from the APS Conference Committee, Gerald Meininger, Ph.D., Past-Chair, CV Section:**

APS Conferences provide the ultimate in programming opportunities for APS members interested in organizing a thematic scientific conference in an important new area of physiology or to highlight advancements in important existing areas. Conference programs that integrate translational and/or clinical relevance into the program are of particular interest to the committee. The Conference Committee is also interested in soliciting ideas for conferences and encourage submission of themes or concepts for potential conferences. The APS Conference Committee will work with organizers in all aspects of conference planning to facilitate the task of putting on the conference. We currently have open slots for conference presentations for 2013, 2014, and 2015. The APS provides up to $30,000
toward reimbursement of invited speaker direct costs and registration. Proposals are due April 1, August 1, and December 1 and are reviewed by the APS Conferences Committee. The guidelines and online application form can be found at: http://www.the-aps.org/mm/Conferences/APS-Conferences. Questions should be directed to Sarah Knox (sknox@the-aps.org 301-634-7967) or Gerald A. Meininger, Ph.D. (Meiningerg@missouri.edu or 573-882-9662)."

5. American Journal of Physiology: Heart and Circulatory Physiology "Call for Papers"

If you have any questions regarding these "Call for Papers" please contact Kara Hansell Keehan, Executive Editor, via email to khkeehan@verizon.net.

**Mitochondria in Cardiovascular Physiology and Disease:** The Editors of AJP-Heart and Circulatory Physiology extend an invitation to submit original research articles related to mitochondria in cardiovascular physiology and disease. Dr. Zoltan Ungvari is the Guest Editor of this special Call for Papers, assisted by Editor-in-Chief William C. Stanley and the Associate Editors of AJP-Heart and Circulatory Physiology. All manuscripts accepted from this Call for Papers will be included in a unique online article collection, further highlighting this important topic. The article collection will also include specially commissioned Review articles on such topics as “Regulation of ROS generation in cardiac mitochondria,” “The role of mitochondrial oxidative stress in hypertension,” “The pathophysiology of cardiac mitochondria in heart failure” and more. During the online submission process, under the “Keywords & Special Sections” tab, please use the “Category” drop-down menu and select “Call for Papers: Mitochondria in Cardiovascular Physiology and Disease.” Manuscripts will undergo normal peer review as they are received. Articles published from this Call for Papers will be highlighted with a special banner, as well as included in the Mitochondria in Cardiovascular Physiology and Disease online article collection at time of publication. Manuscripts can be submitted anytime, but to be eligible for inclusion in this Call for Papers, manuscripts must be submitted by December 31, 2012.

**Pathophysiology of Hypertension:** The Editors of AJP-Heart and Circulatory Physiology extend an invitation to submit original research articles related to the pathophysiology of hypertension. Associate Editors Dr. Nancy Kanagy, Dr. Irving Zucker, and Dr. Mordecai Blaustein are the editors for this special Call for Papers. All manuscripts accepted from this Call for Papers will be included in a unique online article collection, further highlighting this important topic. The article collection will also include specially commissioned Review articles on such topics as "How NaCl raises blood pressure: A new paradigm for the pathogenesis of salt-dependent hypertension," "Adventitial NADPH Oxidase Regulation of Vascular Function," "New Mechanisms for Pulmonary Hypertension: Role of Ca2+ Signaling" and more. During the online submission process, under the "Keywords & Special Sections" tab, please use the "Category" drop-down menu and select "Call for Papers: Pathophysiology of Hypertension." Accepted manuscripts will be published online as they are accepted, and aggressively promoted on our website and by emails. Manuscripts must be submitted by March 31, 2013.

6. Cardiovascular Section Trainee Events at Experimental Biology 2013, Julie Rennison Ph.D., Chair:

As you make your travel plans for Experimental Biology, keep in mind that there are a number of Cardiovascular Section-sponsored trainee events. The Cardiovascular Section will be hosting a reception for trainees prior to the Cardiovascular Section Awards Banquet on Monday, April 22. Trainee tickets for the banquet will be offered at a discounted price.
As you know, the Cardiovascular Section invited trainees to submit proposals for Symposia and Featured Topics at Experimental Biology 2013. Many excellent proposals have been selected by the Cardiovascular Section Programming Committee.

**Trainee-led Symposia**
- Platelet-immune Cell Interactions in Cardiovascular Diseases  
  Co-chaired by Rolando Rumbaut and Elena Senchenkova
- Molecular Imaging for Physiological Understanding  
  Co-chaired by Albert Sinusas and Wawrzynciec Dobrucki
- The Role of Psychological Stress and Depression in Determining Cardiovascular Disease Risk-The Use of Animal Models and Clinical Application  
  Co-chaired by Paul Marvar and Angela Grippo
- Extrinsic and Intrinsic Mechanisms Underlying Myocardial Dysfunction and Heart Failure  
  Co-chaired by Farah Sheikh and Valeria Mezzano

**Trainee-led Featured Topics**
- Signaling Mechanisms in Cardiac, Lymphatic and Smooth Muscle Contraction  
  Co-chaired by Sanjukta Chakraborty and Joshua Scallan
- Novel Signaling Molecules in Vascular Injury and Inflammation  
  Co-chaired by Milton Hamblin and Petra Rocic
- Matrix Metalloproteinases in the Heart- the Cutting Edge  
  Co-chaired by Richard Schulz and Paras Kumar Mishra
- Inflammation as an Orchestrator in Heart Failure  
  Co-chaired by Raffaele Altara and W. Matthijs Blankesteijn
- The Aging Cardiovascular System- Structural Remodeling in Health and Disease  
  Co-chaired by Margaux Horn and Gary Pierce

**7. EB2013 Cardiovascular Section Program, Merry Lindsey, Ph.D., and Mike Hill, Ph.D.:**

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<table>
<thead>
<tr>
<th>Lecture</th>
<th>day/ time</th>
<th>Chair</th>
<th>Room</th>
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<tbody>
<tr>
<td>Robert M. Berne Distinguished Lectureship</td>
<td>Tue 2-3 pm</td>
<td>David Lefer</td>
<td>205C</td>
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<tr>
<td>Symposia</td>
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<tr>
<td>Platelet-immune Cell Interactions in Cardiovascular Diseases</td>
<td>Sun 8 am</td>
<td>Rolando Rumbaut</td>
<td>206A</td>
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<td>Lymph Collectors as Active Players: Immunity, Nutrients, Fluid Flow</td>
<td>Sun 8 am</td>
<td>Anatoliy A. Gashev</td>
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<tr>
<td>The Impact of Pathogens on the Vasculature</td>
<td>Sun 10:30 am</td>
<td>Karen Stokes</td>
<td>206A</td>
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<tr>
<th>Event</th>
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<tr>
<td>Molecular Imaging for Physiological Understanding</td>
<td>Sun 10:30 am</td>
<td>Albert J. Sinusas</td>
<td>210A</td>
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<tr>
<td>Taming The Sleeping Giant: Control of the Peripheral Circulation</td>
<td>Tue 3:15 pm</td>
<td>Walter Wray</td>
<td>205C</td>
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<td>The Role of Psychological Stress and Depression in Determining</td>
<td>Wed 8 am</td>
<td>Paul Marvar</td>
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<td>Determining Cardiovascular Disease Risk - The Use of Animal Models</td>
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<td>and Clinical Application</td>
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<tr>
<td>Extrinsic and Intrinsic Mechanisms Underlying Myocardial Dysfunction</td>
<td>Wed 10:30 am</td>
<td>Farah Sheikh</td>
<td>205B</td>
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<td>and Heart Failure</td>
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<td>Cross Sectional Symposia</td>
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<tr>
<td>Emerging Concepts in Understanding Mechanisms of Diabetes</td>
<td>Wed 2:30 pm</td>
<td>Bill Chilian</td>
<td>210A</td>
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<tr>
<td>Featured Topics</td>
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<tr>
<td>Vascular Cognitive Impairment: Emerging Concepts and Pathophysiology</td>
<td>Sun 3:15 pm</td>
<td>Anna Csizsar</td>
<td>205B</td>
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<tr>
<td>Signaling Mechanisms in Cardiac, Lymphatic and Smooth Muscle Contraction</td>
<td>Mon 8 am</td>
<td>Sanjukta Chakraborty</td>
<td>206A</td>
</tr>
<tr>
<td>Wiggers Award Featured Topic: Novel Pathways Regulating Microvascular Tone and Function</td>
<td>Mon 10:30 am</td>
<td>David Gutterman</td>
<td>205B</td>
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<tr>
<td>Novel Signaling Molecules in Vascular Injury and Inflammation</td>
<td>Mon 3:15 pm</td>
<td>Milton Hamblin</td>
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<tr>
<td>Matrix Metalloproteinases in the Heart - the Cutting Edge</td>
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<tr>
<td>Inflammation as an Orchestrator in Heart Failure</td>
<td>Tue 10:30 am</td>
<td>Raffaele Altara</td>
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<tr>
<td>Nutrients and Cardiovascular Health and Disease: Glucose, Fatty Acids</td>
<td>Wed 8 am</td>
<td>John Chatham</td>
<td>212</td>
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<td>and Beyond</td>
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<tr>
<td>The Aging Cardiovascular System: Structural Remodeling in Health</td>
<td>Wed 2:30 pm</td>
<td>Margaux Horn</td>
<td>206B</td>
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<td>and Disease</td>
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<tr>
<td>Developmental Origins of Cardiovascular Diseases</td>
<td>Wed 2:30 pm</td>
<td>Urs Scherrer</td>
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**8. Important CV Section and APS Deadlines:**

- Nov 8: Applications due for Research Recognition Awards.
- Nov 8: Applications due for Clinical Science Young Investigator.
- Nov 8: Applications due for New Investigator Award.
All of the application forms for these awards can be accessed through the APS: http://www.the-aps.org/mm/awards/sections/cvsecs

- Jan 17, 2013: Applications for APS 2013 committee appointments. Contact Ron Korthuis (KorthuisR@health.missouri.edu) for information or go to http://www.the-aps.org/mm/hp/Audiences/APS-Committees/

- February 2013: Nominations for CV Section Committees. Contact Johnathan Tune (jtune@iupui.edu) for information.

- Feb 1, 2013: Applications for Berne Lectureship for EB2013. Contact David Stepp (DSTEPP@georgiahealth.edu).

- Feb 1, 2013: Applications for Wiggers Award for EB2013. Contact David Stepp (dstepp@georgiahealth.edu).