1. News from the Chair:

Dear Members of the Cardiovascular Section,

I hope the start of fall has presented pleasant weather for you. It is that time of year where we are all getting prepared to submit abstracts for the 2012 EB Meeting to be held in San Diego. I want to provide 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.

I would ask for your comments as how to make the CV Section more relevant to our membership. Please let me know what you like, and what you do not like 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.

Finally please review the rest of the newsletter for the details of the following announcements:

- EB2012 will be held in San Diego, 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. The Berne Lecturer for EB 2012 is Dr. Rhian M. Touyz from the University of Ottawa. The Wiggers Award winner is Dr. Clinton Webb from Georgian Health Sciences Center.
- Please consider nominations for both the Berne Lectureship and Wiggers Awards.
- EB2012 will be the 125th anniversary of APS and special events are planned for the meeting in San Diego on Saturday and Wednesday nights.
- The CV Section has a Statement of Organizations and Procedures http://www.the-aps.org/sections/cardio/sop.htm. The Steering Committee has suggested a series of changes in the SOP to be consistent with the current operations. The revised SOP will be sent out in a subsequent e-mail. If you have any questions or suggestions please feel free to contact me. We will have an electronic vote on these changes in January, 2012.
• 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 [http://www.the-aps.org/ebuspprod/apscustomizations/apssubscriptionlisting/tabid/230/default.aspx](http://www.the-aps.org/ebuspprod/apscustomizations/apssubscriptionlisting/tabid/230/default.aspx). You will have to login to make a donation. All donors will be acknowledged on the CV Section page ([http://www.the-aps.org/sections/cardio/sponsors2011.pdf](http://www.the-aps.org/sections/cardio/sponsors2011.pdf)).

Best wishes to all.

Robert F. Heister

2. News from Experimental Biology 2012: It’s Our 125th Anniversary

The EB 2012 website is now live. Help us celebrate our 125th birthday in San Diego as part of EB 2012, April 21 -25. Make sure to register for the Opening and Closing Celebration Parties.

- **Saturday, 7:00 PM, April 21** – APS will party on the North Embarcadero with The Mardells, food and drink, and games galore.
- **Wednesday, 6:00 PM, April 25** – The party moves into the Marriott with food and drink, music and dancing to an APS member band – GI Distress! Plan on attending to help celebrate the Society’s founding in 1887!

Help the APS celebrate by contributing to a fund designed to make the forthcoming meeting a truly international event. The Society hopes to raise funds to bring outstanding scientists from around the world to San Diego for the celebration. In order to make that possible, the membership is invited to make a charitable contribution to the 125th Anniversary Fund.

3. CV Section APS Conferences: Registration and Speaker Reimbursements: Gerald Meininger, Ph.D., Past-Chair, CV Section

The APS Conferences Program provides the ultimate in programming opportunities, with opportunities to select the theme, meeting format, abstract categories, methods of presentation, and duration of the meeting. 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 online at: [http://www.the-aps.org/meetings/aps/index.htm](http://www.the-aps.org/meetings/aps/index.htm) and questions should be directed to Sarah Knox (sknox@the-aps.org or 301-634-7967) or Gerald A. Meininger, Ph.D. (Meiningerg@missouri.edu or 573-882-9662).

4. News from the Secretary/Treasurer: David W. Busija.

Our CV Section Banquet will be onboard the California Spirit for a cruise on San Diego Harbor from 7:00-10:00 pm (boarding starts at 6:30) on Monday, April 23, 2012. Buy your tickets early to ensure that you have a seat. This event was very well received last time the EB meeting was in San Diego and we expect another outstanding event for Spring, 2012. The trainee reception will be 6-7 pm on the boat. Trainee tickets for the banquet will be offered at a discounted price.
5. APS COMMITTEE MEMBERSHIP: CV Section Representative to the APS Committee on Committees (CoC): Ronald J. Korthuis, Ph.D., Chair.

The deadline for applications for service on American Physiological Society (APS) committees for 2013 committee appointments is fast approaching (17 January 2012). Cardiovascular (CV) 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. As the CV section representative to the APS Committee on Committees, I wish to strongly encourage all of our members to consider applying for appointment to either CV Section or APS committees.

The application process is quite easy. Simply go to the APS website at the the-aps.org, move your mouse to the Committees button located on the left side of the website page, click on Committees Overview, and then click on and complete the Candidate Form and Endorsement Form (completed by a colleague). Please read the directions carefully and provide the appropriate information to strengthen your application relative to a specific committee.

Then, both of these forms should be submitted via email to the APS office (address at bottom of both forms) for consideration by the Committee on Committees and APS Council. Please copy me on your submission so that I can keep an ongoing tally of applications.

Again, the deadline for receipt of the Candidate Information and Endorsement Forms is 17 January 2012.

Information about each of the following committees and a list of committee vacancies (reproduced below) are also listed on the APS website. To maintain balance in section representation, appointment of a CV section representative to an open position may not be possible, if our section is already adequately represented.

Please note that the membership of the Joint Program, Liaison with Industry, Section Advisory and Trainee Advisory Committees are comprised of representatives appointed by the individual APS sections, therefore we do not accept nominations for these committees. Should you know of someone who is interested in serving on one of these committees, please have them contact the CV section chair (Dr. David Busija at dbusija@tulane.com).

- Animal Care and Experimentation
- Awards
- Career Opportunities in Physiology
- Chapter Advisory Committee
- Committee on Committees
- Communications
- Conference
- Daggs Award
- Education
- Finance
- International Physiology
- Membership
- Perkins Memorial Fellowship
- Porter Physiology Development
The following committees have openings for positions with a start date of 1/1/12.

<table>
<thead>
<tr>
<th>Committee</th>
<th># Of Open Positions</th>
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<tbody>
<tr>
<td>Animal Care &amp; Experimentation Committee</td>
<td>Chair, 3, 1 trainee</td>
</tr>
<tr>
<td>Awards Committee</td>
<td>2</td>
</tr>
<tr>
<td>Career Opportunities in Physiology Committee</td>
<td>Chair, 3</td>
</tr>
<tr>
<td>Communications Committee</td>
<td>2</td>
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<tr>
<td>Conference Committee</td>
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<td>Ray G. Dagg Committee</td>
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<td>Education Committee</td>
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<td>Finance Committee</td>
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<tr>
<td>International Physiology Committee</td>
<td>2</td>
</tr>
<tr>
<td>Membership Committee</td>
<td><strong>please see note below</strong></td>
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<tr>
<td>Perkins Memorial Fellowship Committee</td>
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<tr>
<td>Porter Physiology Development Committee</td>
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<tr>
<td>Publications Committee</td>
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<tr>
<td>Science Policy</td>
<td>1</td>
</tr>
<tr>
<td>Senior Physiologists</td>
<td>Chair, 1</td>
</tr>
<tr>
<td>Women in Physiology Committee</td>
<td>3</td>
</tr>
</tbody>
</table>

**MEMBERSHIP COMMITTEE:** 1 member is needed from each of the following sections: CNS. and 1 young investigator (from any section)

6. CV Section Committee Reports:

**Trainee Committee: Julie Rennison, Ph.D., Chair**

Trainee-led Symposia and Featured Topics at Experimental Biology 2012

Several proposals for Symposia and Featured Topics that were submitted by trainees have been selected by the CV Section Programming Committee for presentation at Experimental Biology 2012.

**Trainee-led Symposia**
Emerging Paradigms in Inflammation and Microvascular Dysfunction: Novel Insights and Future Trends  
Co-chaired by Sanjukta Chakraborty and Mariappan Muthuchamy

Control of Vascular Tone by Extraluminal Nucleotides  
Co-chaired by Brett Kirby and Stefan Mortensen

Mitochondrial Dynamics in Cardiac Physiology  
Co-chaired by William Stanley and Julie Rennison

**Trainee-led Featured Topics**
Emerging Paradigms in Microvascular Signaling
Leptin: Metabolic, Cardiovascular and Immune control. Does it all come from the brain?
Co-chaired by Eric Belin de Chantemele and Heinrich Lob

APS 125th Anniversary at Experimental Biology 2012
The APS will be celebrating its 125th Anniversary at the Experimental Biology meeting in San Diego. There are several events planned that we encourage you to attend.

- The APS 125th Anniversary Beach Party will be held Saturday, April 21 from 7-10 pm (following the Cannon Lecture) on the North Embarcadero.
- The APS also will be hosting a 125th Anniversary Closing Party on Wednesday, April 25th, from 6:30-10pm.

You can sign up to attend these events when registering for the meeting by checking the boxes on the EB registration form. The charge for each event will be $15.00 in advance or $25.00 on site.

Special Symposia for Trainees
There are a number of symposia planned for EB 2012 that we encourage you to attend.

The Career Opportunities in Physiology Committee is hosting a session entitled “Do I Need Another Degree?” on Monday, April 23, beginning at 10:30 am.

The Trainee Advisory Committee will be hosting a session entitled “E-Media Tools for the Professional Scientist” on Wednesday, April 25th, from 10:30-12:30pm. The purpose of this session will be to highlight new technologies for the professional physiologist. Presentations include:

- Using e-media to Find Funding Opportunities
  **Christopher Dant, Ph.D.,** Dartmouth University

- E-medial Tools for Teaching
  **Aaron Bunker, Ph.D.,** Morningside College

- Social Media in the Life Sciences
  **Kristy Meyer, Ph.D.,** Sigma-Aldrich

- Ethical Implications of Social Media
  **Natalie Brown,** Happy Place Marketing

Also, we are very excited to announce that on Wednesday, April 25th, Dr. Oliver Smithies, winner of the 2007 Nobel Prize in Physiology or Medicine will be giving the APS Nobel Prize in Physiology or Medicine Lecture at 3:30pm. There will be wine and cheese reception for trainees following the lecture with the opportunity to meet Dr. Smithies.

For additional information on any of these trainee-related events, please contact Julie Rennison, Cardiovascular Section Representative for the Trainee Advisory Committee. rennisj@ccf.org
Awards Committee: David W. Stepp, Ph.D., Chair.

The Carl J. Wiggers Award ($1,000 honorarium, a featured topic selected by the awardee plus complimentary registration to the EB Meeting at which the featured topic is scheduled) is presented to a scientist who is a fellow of the Cardiovascular Section of APS, who has made a lifetime of outstanding and lasting contributions to cardiovascular research throughout his/her career. The awardee, in addition to being an outstanding scientist, should display a history of commitment and excellence in service to the section. This award is in honor of the Cardiovascular Section's Founder, Carl J. Wiggers, who founded *Circulation Research* and trained numerous future department heads as well as several presidents of APS.

The Application package should consist of:

1. a coversheet providing the length and history of section activities;
2. NIH-style biosketch with 15 most prominent publications;
3. A letter of nomination; and,
4. Up to 3 supporting letters (at least two of which should be external to the applicant's home institution)

All application materials must be submitted by February 1, 2012 to be considered for the 2013 award.

The 2013 Robert M. Berne Distinguished Lectureship of the APS Cardiovascular Section ($1,000 plus complimentary registration to the 2013 EB meeting) is presented to an outstanding cardiovascular physiologist whose current research is particularly interesting, such that the presentation of this work would be expected to contribute to further interest in, and growth of, the Cardiovascular Section. The applicant need not be a current member or fellow of the CV Section but should be in a peak career stage of research innovation and productivity. This award is in honor of one of the most distinguished members of the Cardiovascular Section: Robert M. Berne.

Applicants must upload:

1. NIH-style biosketch with 15 most representative publications;
2. One letter of Nomination and,
3. Up to 3 supporting letters (at least two of which should be external to their home institution).

All application materials must be submitted by February 1, 2012 to be considered for the 2013 award.

Cardiovascular Section Clinical Science Young Investigator Award sponsored by Portland Press ($500 plus a free personal subscription to *Clinical Science* online (http://www.clinsci.org/) recognizes an outstanding junior investigator involved in cardiovascular research. To be eligible, the investigator must have earned an MD, PhD, or equivalent degree within the past 5 years and have submitted a first-authored abstract to the 2012 Experimental Biology Meeting under an APS Cardiovascular
Section Topic Category. It is expected that the awardee will attend the Experimental Biology meeting and present his or her research. The awardee will be recognized at the Cardiovascular Section Banquet during the EB 2012 meeting.

All application materials must be submitted online by November 8, 2011.

The Cardiovascular Section New Investigator Award ($1,000 plus reimbursement of the advance registration fee) 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. Candidates must be an APS member in good standing with a primary affiliation in the Cardiovascular Section and should not be above the rank of Assistant Professor or a comparable position in a research track at an academic institution or in industry.

The candidate must upload their curriculum vitae, two nomination letters from regular APS members, and a first or senior-authored abstract from their laboratory that will be presented at EB 2012.

Candidates will be judged on their new development(s), how their new area of investigation relates to the Cardiovascular Section, and evidence of their independence and promise (funding, peer review activities, etc.). The awardee must attend the Experimental Biology meeting in order to collect the cash prize.

All application materials must be submitted by November 8, 2011.

The Cardiovascular Section Research Recognition Awards ($500 plus reimbursement of the advance registration fee) promote submission of abstracts to the Experimental Biology meeting from junior investigators (doctoral students and postdoctoral fellows) and to aid them in their travel expenses. To be eligible, doctoral students must be engaged in their dissertation research while postdoctoral fellows must have earned an MD, PhD or equivalent degree within the past 5 years.

Applicants must have submitted a first-authored abstract to the Experimental Biology Meeting under an APS Cardiovascular Section topic category. It is expected that awardees will attend the 2012 Experimental Biology meeting and present their research. Up to nine Research Recognition Awards will be made each year based upon those abstracts judged to be most meritorious. The awardee must attend the Experimental Biology meeting in order to collect the cash prize.

Applicants must upload a copy of their submitted abstract by November 8, 2011

Please proceed to the next page for the Lecture and Symposia Schedule.
### Joint Programming Committee:
**Merry Lindsey, Ph.D., and William F. Jackson, Ph.D., CV Section Representatives**

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Proposed day/ time</th>
<th>Chair</th>
<th>email</th>
<th>Co-Chair</th>
<th>email</th>
<th>Trainee Led</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Robert M. Berne Distinguished Lectureship of the APS Cardiovascular Section</td>
<td>Tuesday 2:00-3:00 pm</td>
<td>Rhian M. Touyz</td>
<td><a href="mailto:rtouyz@uottawa.ca">rtouyz@uottawa.ca</a></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Symposia</strong></td>
<td></td>
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<tr>
<td>1</td>
<td>A complex interplay coming together to build the heart</td>
<td>Sun 8:00 am</td>
<td>Maike Krenz</td>
<td><a href="mailto:krenzm@missouri.edu">krenzm@missouri.edu</a></td>
<td>Luis Polo-Parada</td>
<td><a href="mailto:poloparadal@missouri.edu">poloparadal@missouri.edu</a></td>
</tr>
<tr>
<td>2</td>
<td>Emerging Paradigms in Inflammation and Microvascular Dysfunction: Novel Insights and Future Trends</td>
<td>Sun 8:00 am</td>
<td>Sanjukta Chakraborty</td>
<td><a href="mailto:schakraborty@tamhsc.edu">schakraborty@tamhsc.edu</a></td>
<td>Mariappan Muthuchamy</td>
<td><a href="mailto:marim@tamu.edu">marim@tamu.edu</a></td>
</tr>
<tr>
<td>3</td>
<td>Control of Vascular Tone by Extraluminal Nucleotides</td>
<td>Sun 10:30 am</td>
<td>Brett S. Kirby</td>
<td><a href="mailto:Brett.Kirby@colostate.edu">Brett.Kirby@colostate.edu</a></td>
<td>Stefan P. Mortensen</td>
<td><a href="mailto:stefan@cmrc.dk">stefan@cmrc.dk</a></td>
</tr>
<tr>
<td>4</td>
<td>Systems Biology of Cardiovascular Genomes and Proteomes</td>
<td>Sun 3:30 pm</td>
<td>Joseph Loscalzo</td>
<td><a href="mailto:jloscalzo@partners.org">jloscalzo@partners.org</a></td>
<td>Tom Vondriska</td>
<td><a href="mailto:TVondriska@mednet.ucla.edu">TVondriska@mednet.ucla.edu</a></td>
</tr>
<tr>
<td>5</td>
<td>Physiological Remodeling of Resistance Arteries</td>
<td>Tue 3:30 pm</td>
<td>Judy M. Delp</td>
<td><a href="mailto:jdelp@ufl.edu">jdelp@ufl.edu</a></td>
<td>Michael D. Delp</td>
<td><a href="mailto:mdelp@ufl.edu">mdelp@ufl.edu</a></td>
</tr>
<tr>
<td>6</td>
<td>Mitochondrial Dynamics in Cardiac Physiology</td>
<td>Wed 8:00 am</td>
<td>William C. Stanley</td>
<td><a href="mailto:wstanley@medicine.umar">wstanley@medicine.umar</a> yland.edu</td>
<td>Julie Rennison</td>
<td><a href="mailto:rennisj@ccf.org">rennisj@ccf.org</a></td>
</tr>
<tr>
<td>7</td>
<td>Insulin Resistance: A defense mechanism for the stressed heart?</td>
<td>Wed 10:30 am</td>
<td>Heinrich Taegtmeyer</td>
<td><a href="mailto:Heinrich.taegtmeyer@Uth.tmc.edu">Heinrich.taegtmeyer@Uth.tmc.edu</a></td>
<td>Louis Hue</td>
<td><a href="mailto:Louis.hue@uclovain.be">Louis.hue@uclovain.be</a></td>
</tr>
</tbody>
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**Proceed to the next page for the Featured Topics Schedule.**
### Featured Topics

<table>
<thead>
<tr>
<th>Lecture Title</th>
<th>Proposed day/ time</th>
<th>Chair</th>
<th>email</th>
<th>Co-Chair</th>
<th>email</th>
<th>Trainee Led</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microvascular permeability; paracellular versus transcellular transport</td>
<td>Sun 10:30 am</td>
<td>David Lominadze</td>
<td><a href="mailto:dglomi01@louisville.edu">dglomi01@louisville.edu</a></td>
<td>Martha O’Donnell</td>
<td><a href="mailto:meodonnell@ucdavis.edu">meodonnell@ucdavis.edu</a></td>
<td></td>
</tr>
<tr>
<td>Communication between Cardiac Cells and the Extracellular Matrix</td>
<td>Mon 8:00 am</td>
<td>Jiang Chang</td>
<td><a href="mailto:jchang@ibt.tamhsc.edu">jchang@ibt.tamhsc.edu</a></td>
<td>Jason Gardner</td>
<td><a href="mailto:jgardn@lsuhsc.edu">jgardn@lsuhsc.edu</a></td>
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</tr>
<tr>
<td>Wiggers Award Featured Topic</td>
<td>Mon 10:30 am</td>
<td>Clinton Webb</td>
<td><a href="mailto:CWEBB@georgiahealth.edu">CWEBB@georgiahealth.edu</a></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Emerging Paradigms in Microvascular Signaling</td>
<td>Mon 3:30 pm</td>
<td>Adam Straub</td>
<td><a href="mailto:Ac55k@virginia.edu">Ac55k@virginia.edu</a></td>
<td>Erika Westcott</td>
<td><a href="mailto:erika.westcott@gmail.com">erika.westcott@gmail.com</a></td>
<td>yes</td>
</tr>
<tr>
<td>Transient receptor potential (TRP) channels and endothelial calcium regulation in native cells and whole vessels</td>
<td>Tue 8:00 am</td>
<td>Sean Marrelli</td>
<td><a href="mailto:Marrelli@bcm.edu">Marrelli@bcm.edu</a></td>
<td>Scott Earley</td>
<td><a href="mailto:Scott.Earley@colostate.edu">Scott.Earley@colostate.edu</a></td>
<td></td>
</tr>
<tr>
<td>Targeted Proteomic Analyses of Heart Failure</td>
<td>Tue 10:30 am</td>
<td>Peipei Ping</td>
<td><a href="mailto:peipeiping@earthlink.net">peipeiping@earthlink.net</a></td>
<td>Merry Lindsey</td>
<td><a href="mailto:lindseym@uthscsa.edu">lindseym@uthscsa.edu</a></td>
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<tr>
<td>Novel regulators of cardiac fibroblast function and fate</td>
<td>Wed 8:00 am</td>
<td>Michael P. Czubryt</td>
<td><a href="mailto:mczubryt@sbr.ca">mczubryt@sbr.ca</a></td>
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<tr>
<td>Leptin: Metabolic, Cardiovascular and Immune control. Does it all come from the brain?</td>
<td>Wed 3:30 pm</td>
<td>Eric J. Belin de Chantemele</td>
<td><a href="mailto:ebelindeancheurope@georgiahealth.edu">ebelindeancheurope@georgiahealth.edu</a></td>
<td>Heinrich Lob</td>
<td><a href="mailto:heinrich.lob@gmail.com">heinrich.lob@gmail.com</a></td>
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<tr>
<td>Diabetic cardiovascular dysfunction: ROS dependent and independent causes and complications</td>
<td>Wed 3:30 pm</td>
<td>Loren Wold</td>
<td><a href="mailto:Loren.Wold@nationwidechildrens.org">Loren.Wold@nationwidechildrens.org</a></td>
<td>J Gary Meszaros</td>
<td><a href="mailto:jgmeszar@neoucom.edu">jgmeszar@neoucom.edu</a></td>
<td></td>
</tr>
</tbody>
</table>

7. Important CV Section and APS Deadlines

- Nov 8: [Abstract Deadline for EB 2012](#).
- 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.
• Jan 2012: Nominations for CV Section Committees. Contact Mike Hill (hillmi@missouri.edu) for information.

• Jan 17, 2012: Applications for APS 2013 committee appointments. Contact Ron Korthuis (KorthuisR@health.missouri.edu) for information or go to http://www.the-aps.org/committees/nominate.htm

• Feb 1, 2012: Applications for Berne Lectureship for EB2013. Contact David Stepp (dstepp@mcg.edu).

• Feb 1, 2012: Applications for Wiggers Award for EB2013. Contact David Stepp (dstepp@mcg.edu).