

# Newsletter of The Microcirculatory Society, Inc.

Volume 37, Number 2 – Fall 2009



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## Officers

President  
William F. Jackson, Ph.D.  
[jacks783@msu.edu](mailto:jacks783@msu.edu)

President-elect  
David C Zawieja, Ph.D.

Secretary  
Judy Muller-Delp, Ph.D.  
[jdelp@ufl.edu](mailto:jdelp@ufl.edu)

Treasurer  
Terrence Sweeney, Ph.D.  
[sweeneyt1@scranton.edu](mailto:sweeneyt1@scranton.edu)

## A Note from the President

Greetings and Salutations!

**Fall Meeting:** The Society has had a great Fall so far. The Fall Meeting of the MCS was a tremendous success thanks to Steve Segal and the folks at the University of Missouri. We had over 150 people in attendance and a good time was had by all.

**Update on Bylaws Revision and Publisher Negotiations:** Thanks to all Society members who participated in the survey concerning revision of the Bylaws to allow us to proceed with negotiations with our new publisher, Wiley-Blackwell – 98 members participated in the survey, 93 supported the change, 5 against. Similarly, thanks to the 49 society members in attendance at the Special Business Meeting on October 16<sup>th</sup>, 2009 in Columbia, MO – final vote was 48 for the change, 1 opposed. The committee charged with negotiating the final agreement with Wiley-Blackwell (Bill Jackson, President; Neil Granger, Publications Committee Chair; Terry Sweeney, Treasurer; and Jeff Frisbee, Editor-elect) has received the first draft of the agreement and is preparing the response in consultation with an attorney - Details will be provided at our annual meeting at EB 2010.

**Plans for EB 2010:** We have an excellent meeting planned for this spring in Anaheim. Below is the schedule. **When registering for EB2010, please make sure that you check the box indicating membership in the MCS!**

**Saturday, April 24, 2010, Marriott Platinum 3/4**

**MCS President's Symposia at EB 2010**

**President's Symposium I: Ion Channels and Microvascular Function:**

9:00 AM Ion channels and calcium signaling in skeletal muscle arterioles – William F. Jackson, Michigan State University.

9:35 AM Distinct contribution of Ca<sup>2+</sup>-dependent K<sup>+</sup>-channels (IK1, SK3) in endothelium - dependent dilation in the microcirculation. Cor de Wit, University of Lubeck

10:10 AM Vasoregulation by smooth muscle cell IP<sub>3</sub> receptors – Jonathan Jaggar, University of Tennessee.

10:45 AM Calcium Sparklets in Cardiac and Arterial Smooth Muscle – Luis Fernando Santana, University of Washington.

11:20 AM Concluding questions and comments

**11:30 – 2:00 Awards Banquet (Location to be announced)**

## **President's Symposium II: Hot Topics in Renal Microvascular Control:**

- 2:00 PM Introduction – William F. Jackson, Michigan State University.
- 2:05 PM Autoregulation and reactivity of afferent and efferent arterioles - Edward Inscho, Medical College of Georgia.
- 2:40 PM Vascular smooth muscle signaling mechanisms in the renal microcirculation - William Arendshorst, University of North Carolina.
- 3:15 PM Role of vasa recta in medullary perfusion and countercurrent exchange - Thomas Pallone, University of Maryland.
- 3:50 PM Multiphoton imaging of the (juxta) glomerular Microcirculation and functions - Janos Peti-Peterdi, University of Southern California.
- 4:20 PM Concluding questions and comments.
- 4:30 PM MCS Business Meeting, Marriott Platinum 3/4**

## **Sunday, April 25, 2010, Marriott Platinum 3/4**

- 3:15 PM **MCS Landis Award Lecture – to be announced**

## **Monday, April 26, 2010, Marriott Platinum 7/8**

- 10:30 AM **MCS Young Investigator Symposium - New Perspectives in Microvascular Inflammation** (see below for details)

**When registering for EB2010, please make sure that you check the box indicating membership in the MCS! Also, please select from the categories below when submitting your abstract:**

### **Microcirculatory Society Topic Categories for EB 2010**

1030-APS	Angiogenesis/microvascular remodeling/injury & repair
1031-APS	Atherosclerosis/thrombosis/platelets
1032-APS	Inflammation/leukocyte-endothelium interactions
1033-APS	Instrumentation and live cell imaging
1034-APS	Ischemia-reperfusion/free radical biology
1035-APS	Lymphatic and venular function
1036-APS	Microvascular molecular biology/genetic approaches
1037-APS	Microvascular development and aging
1038-APS	Microvascular flow regulation/oxygen delivery/networks
1039-APS	Microvascular mechanics/hemodynamics/rheology
1040-APS	Microvascular pathophysiology/tumor microcirculation
1041-APS	Microvascular cell signaling pathways
1042-APS	Pericytes and Stem Cells
1043-APS	Permeability/fluid & solute exchange/glycocalyx
1044-APS	Microvascular pharmacology/therapeutics
1045-APS	Tissue-microvessel interactions/extracellular matrix
1046-APS	Vasomotor control: endothelium/smooth muscle/nerves

**Nominations:** We are in need of nominations for President-elect, Treasurer and 2 Councilors (see below). Please give some thought to this important Society service and send nominations to Steve Alexander, Chair of the Nominating Committee, [jalex@lsuhsc.edu](mailto:jalex@lsuhsc.edu)

**Awards:** Our Society has a history of giving back to the membership through our awards program (see below). Please send nominations for awards to Alison Fox-Robichaud, Chair, Awards Committee, [afoxrob@mcmaster.ca](mailto:afoxrob@mcmaster.ca)

**Young Investigator Symposium:** Leslie Ritter and Programs and Meetings Committee are organizing this year's Young Investigator Symposium around the theme of New Perspectives in Microvascular Inflammation. This is a great opportunity for graduate students and postdoctoral fellows to highlight their accomplishments. See below for details.

**Membership:** Johanna Echols, our new director of membership has been working hard to retain members in the society and recruit new members to our ranks. Please help her and the MCS by making sure that your e-mail address and other contact information are correct in our data base. **Please pay your dues!**

**Microcirculation:** Please continue to support the Society's Journal. Submit to Microcirculation and cite our journal!

Looking forward to seeing everyone in Anaheim!

Sincerely,



William F. Jackson, Ph.D.  
President

## Welcome to New MCS Members

### Regular Members:

Olga Gasheva, Texas A&M University, College Station  
Lopa Leach, University of Nottingham, U.K.  
Ed Childs, Texas A&M Health Science Center  
Yan Xu, West Virginia University  
Eric A Bridenbaugh, Texas A&M Health Science Center  
Zhanna Nepiyushchikh, Texas A&M University  
Neena Kalia, University of Birmingham, U.K.

### Associate Members:

Sherry Chao, U. Missouri  
Matthew Socha, U. Missouri

### Student Members:

Matthew Durand, Medical College of Wisconsin  
James Chidgey, King's College London  
Sulei Xu, West Virginia University  
Baraa Al-Khazraji, University of Western Ontario  
John Wolpers, U. Missouri  
Timothy Cornell, U. Missouri  
Erik Behringer, Erik Behringer

Notice for MCS Members!

The *Nominations Committee* is now seeking nominees for:

**President-Elect, Treasurer and Councilors**

(2 councilor slots will be filled)

*Don't put it off... Do it today!*

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2009-2010 Microcirculatory Society Nomination Ballot  
Please provide nominees names and their contact information.

President-Elect: \_\_\_\_\_

Complete contact information: \_\_\_\_\_  
\_\_\_\_\_

Treasurer: \_\_\_\_\_

Complete contact information: \_\_\_\_\_  
\_\_\_\_\_

Councilors:

(1) \_\_\_\_\_

Complete contact information: \_\_\_\_\_  
\_\_\_\_\_

(2) \_\_\_\_\_

Complete contact information: \_\_\_\_\_  
\_\_\_\_\_

Note: The deadline for receipt of nominations is: November 17, 2009

Please Email or Fax nominations by November 17th to:

**FAX: 318-675-4156, Email: [jalexa@lsuhsc.edu](mailto:jalexa@lsuhsc.edu)**

J. Steve Alexander, Ph.D., Chair / MCS Nominating Committee  
Molecular and Cellular Physiology  
LSU Health Sciences Center-Shreveport  
1501 Kings Highway, Shreveport, LA 71130-3932

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## **The Microcirculatory Society**

### **Call for Award Nominations**

The Awards Committee of the Microcirculatory Society is now accepting nominations and applications for the following awards:

1. **The Eugene Landis Award.** The award is presented annually to an outstanding investigator in the field of microcirculation residing in Canada or the United States. Nominations must include a letter from the nominator, a current CV of the nominee and a list of the 10 most significant publications in the past 10 years. Additional letters of support are welcome. In addition to a monetary prize of \$2000 and certificate, the awardee will be invited to give summary of their professional and research accomplishments at the annual meeting.
2. **The Microcirculatory Award for Excellence in Lymphatic Research:** This award is presented annually to a young investigator (within 10 years of completing PhD or MD training) and recognizes meritorious research in the area of lymph, lymphatics or the interstitium. Interested candidates should submit a letter describing their research activities, a manuscript suitable for publication in *Microcirculation* and a current CV. A monetary award of \$500 and certificate will be presented at the annual business meeting.
3. **The Microcirculatory Society Travel Award for Outstanding Young Investigator:** This award is given to a young investigator (within 12 years of PhD or first MD residency) from Canada or the United States for the support of visits to laboratories outside of North America. The application consists of a letter describing the planned itinerary, the benefits to the applicant's career and how this will advance microcirculatory research as well as a current CV. Additional letters of support are welcome. In addition to a monetary award of \$5000 to help defray travel expenses the recipient will present a brief report of their trip at next annual meeting.
4. **The August Krogh Young Investigator Award:** This award is given to young investigator in the early stage of a research career (within 3 years of a PhD or first MD residency). Applications should include a letter of nomination from a member of the Society, a current CV and a brief manuscript suitable for publication in *Microcirculation*. Additional letters of support are welcome. A monetary award of \$1000 and a certificate will be presented at the annual business meeting.
5. **The John R. Pappenheimer Postdoctoral Travel Awards:** These awards are given annually to researchers in the early stage of their career (within 3 years of a PhD or first MD residency) and are meant to encourage participation in the annual meeting. Applicants need not be members of the society. The application consists of a copy of the first author abstract submitted to the annual meeting of the Society (**must** be submitted to the Microcirculatory Society sessions at Experimental Biology 2010) and a letter of support from their mentor. A monetary award of \$500 and a certificate will be presented at the annual business meeting. Previous recipients are not eligible to reapply.
6. **The Benjamin Zweifach Graduate Student Travel Awards:** These awards are given annually to exceptional young scientists in training. Applicants need not be members of the Society. The application consists of a copy of the first author abstract submitted to the annual meeting of the Society (**must** be submitted to the Microcirculatory Society sessions at Experimental Biology 2010) and a letter of support from their supervisor. A monetary award of \$500 and a certificate will be presented at the annual business meeting. Previous recipients are not eligible to reapply.

Additional descriptions and details are available on the Society web page  
([http://microcirc.org/ABOUT/MCS\\_Awards.html](http://microcirc.org/ABOUT/MCS_Awards.html))

Nominations for the **Landis Award** should be received by  
**5pm EDT Friday November 13, 2009**

All other completed applications and nominations should be received by  
**December 1, 2009**

Addressed to:

Alison Fox-Robichaud, MD  
Chair, Awards Committee  
afoxrob@mcmaster.ca

# Microcirculatory Society Young Investigator Symposium 2010

## “New Perspectives in Microvascular Inflammation”

The Microcirculatory Society invites you to submit your abstract for presentation at the annual society Young Investigator Symposium entitled “New Perspectives in Microvascular Inflammation.” To be considered for presentation, you must:

**Step #1:** Submit your abstract to one of the Microcirculatory Society Categories ([APS 1030- APS1046](#)) for [poster](#) presentation. Follow the Experimental Biology 2010 abstract submission guidelines.

**Step #2:** Email your [submitted](#) abstract to Dr. Leslie Ritter [lr Ritter@nursing.arizona.edu](mailto:lr Ritter@nursing.arizona.edu) indicating that you would like your abstract to be considered for presentation at the MCS Young Investigator Symposium.

**You will be notified by Dr. L. Ritter in early January 2010 if you have been selected to present at the Young Investigator Symposium.**

We look forward to learning about your exciting research related to microvascular inflammation.

Thank you,

Leslie Ritter, PhD  
Chair, Programs and Meetings Committee  
Microcirculatory Society, Inc.

# Upcoming Meetings

## **9<sup>th</sup> World Congress for Microcirculation**

The 9<sup>th</sup> World Congress will be held September 25-28, 2010 in Paris, France. More information can be found at <http://www.worldmicrocirc.org/>