

The Microcirculatory Society, Inc. Newsletter

Volume 32, Number 2

Fall 2004

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Officers

President:	H. Glenn Bohlen gbohlen@iupui.edu
President-elect:	Robert Hester rhester@physiology.umsmmed.edu
Secretary:	Cynthia J. Meininger cjm@tamu.edu
Treasurer:	Mary (Molly) Frame mframe@notes.cc.sunysb.edu
Web Site:	http://microcirc.org

President's Message

H. Glenn Bohlen

No doubt many of you have recently, or will shortly, be writing yet another grant application. It is one of the costs of being a scientist. However, it is also one of the greatest opportunities to stop and really think about what you are doing in the lab and why. I have absolutely no doubt that the two most important factors in the advancement of science are the stress of competition for grant money and capitalizing on interesting, unexpected observations. Each time a Study Section informs me just how misguided I am, after I get over being really mad, I find I have a great deal of sheer joy in doing those pilot experiments that will convince some Reviewer I probably am right, or at least going in the right direction. Each of you has undoubtedly had some facet of this experience. In thinking back over grant applications of colleagues and mine, it dawned on me just how important members of the Microcirculatory Society have been in helping each other.

Very often when thinking about what direction to move in a research project, I find I need to add a new technique for a crucial measurement. In the process of learning new techniques that help in competing for grants, one of the most beneficial resources I have found is the Microcirculatory Society Membership. Most of the techniques I know how to do, I learned in the laboratory of a member of the Society. Occasionally, I have been the one teach-

ing a technique to a Member. In both cases, the learning process was just plain fun. A person that I had met at a Microcirculatory Society Meeting became a fast friend and mentor. I am sure that many of you have had this experience and it is one of the best features and benefits of our Society. Getting to know people, even on a very casual basis, at our annual Meetings is a good gateway to developing new research opportunities and finding the expertise required to exploit new opportunities. I have always encouraged postdoctoral fellows and graduate students to look at every poster at the Meetings and talk to all the presenters. This is the first step in building scien-

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tific and personal relationships that can have major effects on both a career and its accomplishments.

There is another facet of our Society that has a great deal to do with how rapidly microcirculatory physiology has advanced in the past 50 years. That facet is Reviewers of grant applications and manuscripts. Our Society has been truly fortunate to consistently have a large percentage of our Membership on Editorial Boards and NIH Study Sections. I am particularly thankful for these individuals because of their special interest in seeing microcirculatory physiology flourish. Notice I did not say they are prejudicial in favor of Members of the Society. In fact, Members of the Society in their Reviewer roles are often quite strong critics. They have seen at our meetings how studies should be done and have no interest in fostering less than high quality studies of the microcirculation. However, I have also noticed that when Members review studies, they generally offer more than the usual constructive criticism on how the study can be improved, and often a bit of directional guidance above and beyond the typical call to duty. While they may be helping you, their deeper motive is helping our understanding of the microcirculation.

We owe quality Reviewers and Study Section members a great deal of thanks because, as I said earlier, the stress of competition is an important step in improving science. Other people's opinions about what we do in our labs often provides us with insights we would not have had on our own. But what about the other ingredient of progress: capitalizing on interesting, unexpected observations? How many times have you been at our Meeting viewing or presenting a poster or maybe at the Banquet and the conversation turns to some odd occurrence or observation you or someone else has made? The Meetings of our Society are a great place to share the often oddities and, occasionally pearls. People listen, they may say that sounds odd, and then they say something to the effect, "Well, maybe if..." That is when the advice and assistance begins between colleagues and friends. These wonderful vignettes of science can occur because we have a Society devoted to the study of the microcirculation. Most of our odd little observations lead to very little, but in discussing them with Members of the Microcirculatory Society, we do what our Society is all about - we foster our devotion to the thing we all cherish, the science of microcirculation.

VERY IMPORTANT

Nominations for New Officers

It is once again time to submit nominations for next year's officers. We will be electing a **President-Elect**, a **Secretary**, and two **Executive Council Members**. A nomination form is provided on page 3 of this newsletter and on the web site.

Please consider these nominations seriously as the Society depends on strong leadership. Mail, e-mail, or fax your nominations to Steven Segal, Chairman of the Nominating Committee, as soon as possible but no later than **November 30, 2004**.

Take an active interest in your Society and nominate those who will serve you best!

Welcome to New MCS Members

Regular Members

Alie Kanu, M.D.
University of Tennessee, Memphis, TN

Jens Waschke, M.D.
Institute for Anatomy and Cell Biology
Wursburg, Germany

Ed Van Bavel, Ph.D.
Department of Medical Physics
Amsterdam, The Netherlands

Wen Wang, Ph.D.
Department of Engineering
London, United Kingdom

Jay Naik, Ph.D.
Department of Physiology and Biophysics
Jackson, Mississippi

Associate Members

Lusha Xiang, M.D.
Department of Physiology and Biophysics
Jackson, Mississippi

Student Members

Csongor Cseko, M.D.
Department of Physiology, Valhalla, New York

2004 Microcirculatory Society Nominating Ballot

DEADLINE FOR RECEIPT: NOVEMBER 30, 2004

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

PLEASE PROVIDE NAME/CONTACT INFORMATION OF INDIVIDUAL NOMINATED

President-Elect: _____

Secretary: _____

Councilors: (1) _____

(2) _____

Please mail, FAX or e-mail nominations to:

Steven S. Segal, Ph.D.
Chair, Nominating Committee, The Microcirculatory Society
The John B. Pierce Laboratory
Yale University School of Medicine
290 Congress Avenue
New Haven, Connecticut 06519
fax: 203-624-4950
E-mail: sssegal@jbpierce.org



Microcirculatory Society call for Award Nominations

The Microcirculatory Society announces the call for award nominations. Nominations are being accepted for the following awards:

Zweifach Student Award
August Krogh Young Investigator Award
Microcirculatory Society Travel Award
Award for Excellence
in Lymphatic Research

For award descriptions and requirements please go to the Microcirculatory Society web page (<http://microcirc.org/default.htm>) then to "About the Society", then to "Society Awards".

Please note: The 2005 Landis Award has already been selected, the Microcirculatory Travel Award has been increased to \$5,000, and the Christian Crone Travel Award is not being offered this year.

Final Call for Nominations

DEADLINE: November 15, 2004

**This is your last chance to nominate
individuals for these awards!**

Address for All Award Correspondence:
Leslie Ritter, Ph.D.
Chair, MCS Awards Committee
College of Nursing and Dept. of Neurology
University of Arizona
P.O. Box 245023, 1501 N. Campbell Ave.
Tucson, AZ 85724-5023
Phone: 520-626-7434
FAX: 520-626-2111

Electronic Submissions are Preferred
Email to lritter@nursing.arizona.edu

Benjamin Zweifach Student Award

Established in 1998, this award recognizes the outstanding mentoring efforts of Dr. Benjamin W. Zweifach. It is designed to encourage participation in the Microcirculatory Society meeting by young scientists in training. Five awards, each of \$500 and a certificate, will be made. To qualify for this award, a student must be a first author on an abstract submitted to Experimental Biology 2005 or IUPS and designated for presentation in one of the Microcirculatory Society sessions. In-



Benjamin W. Zweifach
1911-1987

dividuals may only receive this award one time, and need not be a member of the Microcirculatory Society. To apply for this award, students should forward a letter of support from their mentor to Chairman of the Awards committee. The award will be announced before the meeting and presented at the Microcirculatory Society Banquet.

Microcirculatory Society Travel Award for Outstanding Young Investigators

This annual award is given to reward meritorious research in the field of microcirculation by supporting the recipient's visits to laboratories abroad. It is intended for a researcher who is a resident of the United States or Canada and has received a Ph.D. or completed a first M.D. residency within 12 years of the deadline. A letter of nomination describing how the award will benefit the nominee's career and advance knowledge of microcirculation, a brief tentative itinerary including the laboratories to be visited and a current CV should be submitted to the Chairman of the Awards committee prior to November 15, 2002. The award consists of a certificate and \$5000 to help defray travel costs associated with the trip. The recipient is expected to present a brief report of their trip to the MCS membership at the annual banquet.

August Krogh, Young Investigator Award

(Sponsored by Fine Science Tools, Inc.)

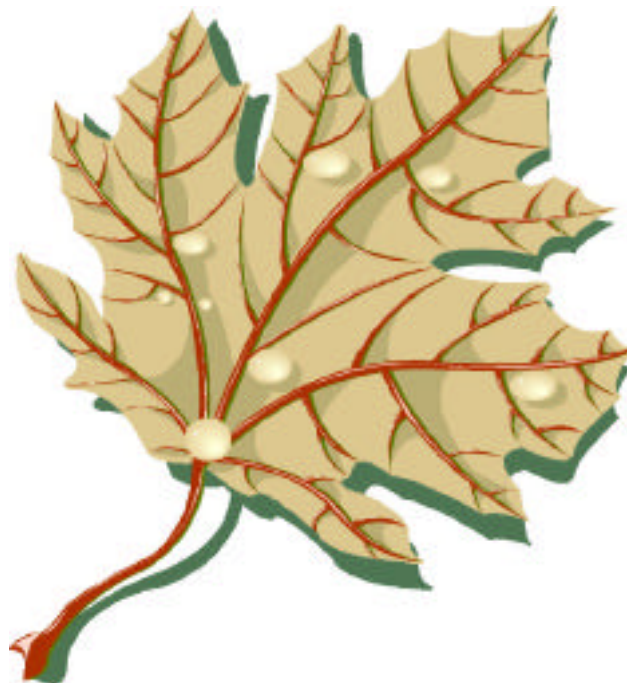


August Krogh
(1874 - 1949)
Nobel prize in
Physiology and
Medicine 1920

This annual award is intended for an individual in the early stages of a research career. The purpose of the award is to encourage excellence in microcirculatory research by new, young investigators. Eligibility for this award is limited to graduate students and recent graduates (less than 3 years after having received a Ph.D. or, for an M.D., 3 years following completion of a first residency). The award consists of a certificate and \$500 to be used at the discretion of the awardee. The requirements include submission of a brief manuscript which describes research to be presented at the annual MCS meeting and a letter of nomination from a member of the Society. These materials should be forwarded to the Chairman of the Awards Committee prior to November 15, 2002.

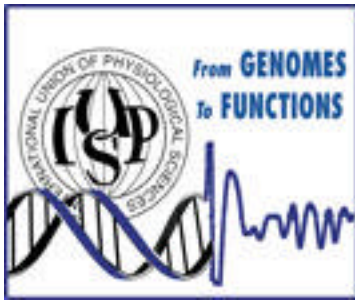
The Microcirculatory Society Award for Excellence in Lymphatic Research

This relatively new award was made possible by a generous contribution of the former North American Society of Lymphology. The award is designed to recognize meritorious research of the lymph, lymphatics or interstitium by a young investigator within 10 years of obtaining a Ph.D., M.D. or a bona fide equivalent degree. A letter of nomination describing their research efforts, a manuscript suitable for submission to *Microcirculation*, and a current CV should be submitted to the Chairman of the Awards Committee prior to November 1st of the year prior to the presentation of the award. The manuscript of the awardee will need to be submitted to the Society journal *Microcirculation*. The award, to be given at the Annual Meeting of the Microcirculatory Society, consists of a certificate and \$500 to be used at the discretion of the awardee.



Microcirculatory Society Committees 2004-2005

<u>Committee Members</u>	<u>Term</u>	<u>Telephone No.</u>	<u>Committee Members</u>	<u>Term</u>	<u>Telephone No.</u>
<u>Executive Council</u>			<u>Membership</u>		
Joseph Unthank	(05)	317-630-7866	Travis Hein	(05)	254-742-
Ronald Korthuis	(05)	318-675-6028	Chris Ellis	(05)	519-661-3100
Paul Kubes	(06)	403-220-8558	David Zawieja (C)	(06)	979-845-7465
Mary (Molly) Frame	(06)	631-444-2320	Dick Slaaf	(06)	31-43-3881657/59
Deborah Damon	(07)	802-656-2184	J. Steven Alexander	(07)	318-675-4151
Sarah Yuan	(07)	254-742-7036-	Anatoliy Gashev	(07)	979-845-7990
<u>Awards</u>			<u>Nominating</u>		
Leslie Ritter (C)	(05)	520-626-7434	Steven Segal (C)	(05)	203-562-9901 ext. 253
Joseph Benoit	(05)	701-777-4388	Deborah Damon	(06)	802-656-2184
Terrence Sweeney	(06)	570-941-7623	Thomas Skalak	(06)	434-924-0270
Russell Prewitt (VC)	(06)	757-446-5105	Tara Haas	(07)	416-736-2100 ext. 77313
Roland Pittman	(07)	804-828-9545			
Mark Clemens	(07)	704-687-2318			
<u>Finance</u>			<u>Long-Range Planning</u>		
David Sims	(05)	902-566-0812	Geert Schmid-Schonbein	(14)	858-534-3852
Tim Secomb	(06)	520-626-4513	Paul McDonagh	(13)	520-626-2329
Roger Adamson	(06)	530-752-2180	Ingrid Sarelus	(12)	575-275-7729
Molly Frame (C)	(06)	631-444-2320	Walter Duran	(11)	973-972-4372
			Ronald Tuma	(10)	215-707-3248
			Bruce Klitzman	(09)	919-684-6686
			Julian Lombard	(08)	414-456-8530
			Virginia Huxley	(07)	573-882-8069
			Gerald Meininger	(06)	979-845-7491
			Fitz-Roy Curry	(05)	530-752-1973
<u>Development</u>			<u>Program</u>		
Michelle Mazzoni	(06)	858-410-5189	Ingrid Sarelus (C)	(05)	575-275-7729
Mary Gerritsen (C)	(06)	650-244-6854	Donald Welsh	(05)	403-210-3819
Jay Tuttle	(06)	760-510-1404	Walter Duran	(06)	973-972-4372
D. Neil Granger	(07)	318-675-6011	David Bates	(06)	44-0117-9287283
Donald Heistad	(07)	319-356-2706	Mike Flessner	(07)	601-984-5765
			Judy Muller-Delp	(07)	979-458-3502
<u>Historical</u>			<u>Publication</u>		
Paul Johnson	(05)	858-534-5686	D. Neil Granger	(06)	318-675-6011
Robert Gore	(05)	520-626-6569	Klaus Ley (VC)	(06)	434-924-1722
Robert McCuskey (C)	(06)	520-626-6084	Fitz-Roy Curry	(06)	530-754-9380
Herb Lipowsky	(06)	814-865-1407	Paul Kubes (C)	(07)	403-220-8558
Ronald Tuma	(06)	215-707-3248	Richard Price	(07)	434-492-0457
			Samina Kanwar	(07)	732-594-2469
<u>Liaison</u>					
H. Glenn Bohler	(05)	317-274-8770			
Cynthia Meininger	(05)	254-742-7037			
Makoto Suematsu	(06)	81-3-5363-3753			
Paul Kubes	(06)	403-220-8558			
Virginia Huxley (IUPS)	(06)	573-882-8069			
Julian Lombard (C)	(07)	414-456-8530			
Terry Sweeney	(07)	570-941-7623			



XXXV International Congress of Physiological Sciences



March 31-April 5
San Diego, California

For Further Information:

IUPS 2005 Secretariat
c/o The American Physiological Society
9650 Rockville Pike
Bethesda, Maryland (USA) 20814
Phone: 301-634-7967 * Fax: 301-634-7241
E-mail: info@iups2005.org
Web: www.iups2005.org
...held in conjunction with EB 2005



Approaching Deadlines for the 2005 IUPS Congress

November 8, 2004

XXXV IUPS Travel Grant Program
([http://www.iups2005.org/announce/
travel_grants.htm](http://www.iups2005.org/announce/travel_grants.htm))

November 8, 2004

submit an abstract
([http://www.faseb.org/meetings/eb2005/
call/default.htm](http://www.faseb.org/meetings/eb2005/call/default.htm))

February 4, 2005

Early Registration

New Directions in Exercise Physiology Official Satellite Conference to the 35th International Union of Physiological Sciences

Dates:

March 29-30, 2005

Location:

San Diego, California, USA

Website:

www.exercisephysiology.elsevier.com

Organizers:

Organized and hosted by Elsevier in association with *Respiratory Physiology and Neurobiology*

Call for Papers Abstract Deadline

14 December 2004

Secretariat:

Nina Woods

Exercise Physiology Conference Secretariat

Elsevier, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK

Telephone: +44 (0) 1865 843297





New Directions in Exercise Physiology

In honor of Jack Reeves

March 29–30, 2005 • San Diego, CA, USA

Official satellite conference to the 35th Congress of Physiological Sciences

CALL FOR POSTERS

Satellite attendees receive a US\$50 discount on attending the main IUPS Congress

Register now for a complete update on recent advances in the physiology of exercise, with a focus on genetic and environmental influences across a broad array of systems affecting exercise – CNS, blood, lungs and muscle.

Sessions and speakers include:

- **Genes, the environment and exercise**
Tom Brussaert, *USA* • Lorna Moore, *USA*
Craig Harms, *USA* • Jose Calbet, *Gran Canaria*
- **Insights from interventional approaches to studying exercise limitation**
Noberto Gonzalez, *USA* • Dan Garry, *USA*
Peter Wagner, *USA* • Connie Hsia, *USA*
- **Hypoxia, exercise and disease: Current theories of High Altitude Pulmonary Edema**
Heimo Mairbaeurl, *Germany* • Jason Yuan, *USA*
Urs Scherrer, *Switzerland* • Susan Hopkins, *USA*
- **Integrated ventilatory response to exercise: Respiratory muscles & the CNS**
Michael Reid, *USA* • Jerome Dempsey, *USA*
Gordon Mitchell, *USA* • Philippe Haouzi, *France*

CALL FOR POSTERS

Submit your latest research online at www.exercisephysiology.elsevier.com by January 14, 2005

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CONFERENCE SECRETARIAT

Nina Woods, *Exercise Physiology Conference Secretariat*
Elsevier, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK
Tel: +44 (0) 1865 843957 • Fax: +44 (0) 1865 843958 • Email: n.woods@elsevier.co.uk

www.exercisephysiology.elsevier.com

New Directions in Exercise Physiology is organized by Elsevier in association with *Respiratory Physiology & Neurobiology*.



**A Special Transatlantic Meeting of
The Microcirculatory Society, Inc. and
The British Microcirculatory Society**

**September 11 - 13, 2005
Abstract Deadline: June 10, 2005**

**University of New Hampshire
Durham, New Hampshire, USA**

Email Dr. Ann Baldwin: abaldwin@u.arizona.edu

The Microcirculatory Society, Inc.
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Microcirculatory Society, Inc. and British Microcirculatory Society Meeting Program Information

Oral and Poster Communications Categories:

Angiogenesis	Renal Microcirculation
EDHF, NO and other EDRFs	Blood Brain Barrier
Endothelial Cell Biology	Synovial Microcirculation
Cell-Cell and Cell Matrix Interactions	Tumor Microvasculature
Interstitium	Diabetes
Inflammation	Lymphatic Biology
Vascular Permeability	Other Aspects of Microcirculation

Oral communications will be selected from submitted abstracts and are welcome on all aspects of microvascular and endothelial biology. Those not selected for oral presentation will be presented as posters.

Keynote Lecture:

Interactions Between Circulating Blood Cells and the Endothelium in the Microcirculation in Oxidative Stress.

Dr. D. Neil Granger, Louisiana Health Sciences Medical Center, Shreveport, LA, USA

Joint Societal Symposium:

Role of Reactive Oxygen Radicals in Vascular Cell Signaling in Health and Disease.

[Co-organizers: Professor Ann Baldwin (USA) and Professor Giovanni E. Mann (UK)]

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