

# The Microcirculatory Society, Inc.

## Newsletter

Volume 28, Number 2

Fall, 2000

### Contents

President's Message  
Microcirculation Impact Factor  
Dues Information  
New Members  
Meeting Information  
Call for Nominations for Society Officers  
Information on Annual Society Awards  
and Request for Nominations  
Future of the Society Newsletter



### Society Officers

President: **Walter Durán**  
[duran@umdnj.edu](mailto:duran@umdnj.edu)  
President-elect: **Ingrid Sarelius**  
[ingrid\\_sarelius@urmc.rochester.edu](mailto:ingrid_sarelius@urmc.rochester.edu)  
Secretary: **Mary Ellsworth**  
[ellsworthm@slu.edu](mailto:ellsworthm@slu.edu)  
Treasurer: **Ann Baldwin**  
[abaldwin@u.arizona.edu](mailto:abaldwin@u.arizona.edu)  
Web Site: <http://microcirc.org>

**Nominations Needed for Zweifach Award!!!!**

## *President's Message*

### *Walter Durán*

The Fall season is upon us, and it marks the beginning of a new academic year. For us, it is also a signal to assess our progress, evaluate and organize the research data in preparation for the submission of Abstracts for the MCS 2001 in Orlando. You may have already received a leaflet from APS announcing that the deadline for Abstracts for the MCS/EB 2001 meeting in Orlando, FL is **November 6, 2000**.

I would like to remind the MCS Young Scientists (operationally defined as postdoctoral fellows and junior assistant professors) that we will hold a special two-hour session to feature their research through **oral presentations**. Because of the logistics of the organization of the meeting, and because the papers to be presented at the Young Scientists Session will be selected by a committee, we are forced to require an early submission for consideration for this session. I would like to invite the **MCS Young Scientists** to send a **copy** of their research abstracts to

Dr. Samina Kanwar at Baylor College of Medicine by **Monday, October 30, 2000**. The copy may be sent via e-mail (preferred) or plain paper. The original submission and associated documents should be sent to the APS/EB 2001 office as indicated on the abstracts form.

I invite also all MCS scientists to submit their research abstracts for presentation at our annual meeting in Orlando. The meeting in Orlando will attract several societies affiliated with Experimental Biology and international societies invited by APS, in particular. It behooves us to herald the strength of our Society at this scientific event. The outline for our scientific and social programs is posted on our website at <http://microcirc.org>.

As we look ahead to the World Congress on Microcirculation (WCM) next year, we should consider sending nominations for the **B.W.**

**Zweifach Award.** While the meeting itself is several months away, the name of the 2001 Zweifach Awardee must be communicated early to the WCM Organizing Committee. The MCS Awards Committee is eager to start working on this process; they eager to select an outstanding microvascular scientist as the recipient of this distinguished award in Sydney. However, we have not provided them with nominations and they remain idle. Please, send your nominations to **Dr. William Chilian** at the Medical College of Wisconsin.

I am pleased to inform you that Cytometrics has kindly agreed to support our annual Travel Award for the period 2001 – 2005. The award will consist of \$2,500 to defray the expenses of scientific travel by a member of MCS selected by our Awards Committee. In recognition of this significant contribution, and as approved by Council earlier, the travel award will be known for this period as the **Cytometrics MCS Travel Award**.

In addition, **Cytometrics** has generously agreed to contribute \$2,500 per year for the period 2001 – 2005 to defray the expenses of the MCS President Symposium. Their contribution will be recognized by listing this entry on the EB program

as **MCS President Symposium, with support from Cytometrics.**

On behalf of the Society, I thank **Dr. Richard Nadeau**, President and CEO, and **Richard Johnson**, Vice President for Sales, and their associates at **Cytometrics** for their contributions to and support of our Society. We look forward to a productive and fruitful relationship.

A pending important issue is to increase our active membership. A simple way to double the membership would be to challenge each MCS member to bring in a new member. The field of microvascular biology is of interest to both basic and clinical scientists; so, please look around your Institutions and invite your colleagues to become members of **The Microcirculatory Society**.

Again, I invite you to contact me, Council members and Committee Chairs through e-mail or other means of communication regarding Society issues. Let's maintain and enhance MCS as a vital, vibrant Society.

I look forward to hearing from you.

*Society Journal Microcirculation  
has an Impact Factor for 1999 of 2.250!!!*

Our publisher considers an Impact Factor of 2.250!!! for 1999 FANTASTIC for a first impact factor (unless you are a Nature title). Their sources indicate that this places us 19th out of 60 journals in the Hematology subject category. Among Cardiovascular Journals, Microcirculation compared well with Am. J. Physiol (C)- Heart (2.747), Chest (2.410) and Am. Heart J. (2.021). They also informed us that the Journal had 319 citations in 1999 from only 28 source items. So the quality - as we all knew - is excellent. "My congratulations and thanks to you all. I hope this will lead to an increase in submissions and an abundance of new institutional subscriptions." Chris Rawlins

***A new way to pay your dues!  
and other notes from our Treasurer and  
Secretary***

**AN UPDATE ON CREDIT CARD PAYMENT OF DUES**

By now, you all should have received an e-mail informing you of the availability of dues payment by credit card (VISA or MasterCard). If not, then we do not have your correct e-mail address and you should take the time now to update your information on the web site. The correct information will enable you to not only take care of your dues payment, but receive notification of late-breaking Society news, continued receipt of the Newsletter and the Society Journal.

To pay your dues by credit card, just go to our Web Page, click on "Membership", click on "Dues Payment" and fill in your information. Your dues will be paid automatically and we will receive a record of the transaction.

The e-mail offered the first 10 people to avail themselves of this option, a free ticket to the Society Banquet in Orlando. The response has been FANTASTIC! The winners are, in order of appearance:

- 1.) Dr. Michael Hill, RMIT University, Bundoora, Victoria, Australia
- 2.) Dr. James Bassingthwaite, University of Washington, Seattle, WA, USA
- 3.) Dr. Shu Chen, University of California, San Diego, La Jolla, CA, USA
- 4.) Dr. Felix Mahler, University of Bern, Bern, Switzerland
- 5.) Dr. Richard Chen, VA, Greater Los Angeles Health Care System, Los Angeles, CA, USA
- 6.) Dr. Harvey Mayrovitz, Nova Southeastern University, Ft. Lauderdale, FL, USA
- 7.) Dr. Jean-Pierre Montani, Chair, Institute of Physiology, Fribourg, Switzerland
- 8.) Dr. Paul Fraser, Centre for Cardiovascular Biology & Medicine, King's College, London, UK
- 9.) Dr. Brian R. Duling, University of Virginia, Charlottesville, VA, USA
- 10.) Dr. D. Neil Granger, Louisiana State University Health Sciences Center, Shreveport, LA, USA

***Support for Society Awards:***

The Society would also like to extend our sincere thanks to **Fine Science Tools** for their extended commitment in support of the August Krogh Young Investigator Award, **Cytometrics** for their commitment in support of the Cytometrics MCS Travel Award and President's symposium and an **anonymous donor** for his/her support of the Christian Crone Travel Award.

Their generosity is greatly appreciated!

***The Society Welcomes the Following New Members:***

**Regular Members:**

**Luis Arturo Martinez-Lemus, DVM/Ph.D.** - Texas A&M Univ. Health Sciences Center - College Station, TX

**Cor de Wit, M.D.** - Ludwig-Maximilians-Universität; München, Germany

**Randal O. Dull, M.D./Ph.D.** - The Johns Hopkins Hospital - Baltimore, MD

**Samina Kanwar, Ph.D.** - Baylor College of Medicine, Houston, TX

**Student Members:**

**Helen Hayes** - Texas A&M Univ. Health Sciences Center - College Station, TX

**Sonia Houston** - University of Missouri, Columbia, MO

# Annual Microcirculatory Society Awards

## *Call for Nominations*

**DEADLINE:** November 1, 2000 - The sooner the better

### **Eugene M. Landis Research Award**

This annual award was established in 1969 to recognize an outstanding investigator in the field of Microcirculation who is in residence in the United States or Canada. The awardee is expected to be an active investigator who has published and continues to provide meritorious research in the field of Microcirculation. The award consists of a certificate and \$2000 to be used at the discretion of the awardee. To nominate an individual for this award, a letter of nomination describing the nominee's most important work, a current CV, including a list of the nominee's 10 most significant publications from the last 10 years, should be forwarded to the Chairman of the Awards Committee prior to November 1, 2000. The award will be presented at the annual meeting and the awardee will be invited to present a brief summary of his or her professional and research career activities.



Eugene M. Landis  
(1901-1987)

### **August Krogh, Young Investigator Award Sponsored by Fine Science Tools, Inc.**

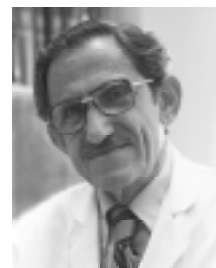
This annual award is intended for a graduate student, Ph.D. or M.D. in the early stages of a research career. The purpose of the award is to encourage excellence in microcirculatory research by new, young investigators. Eligibility for this award is limited to graduate students, recent graduates (less than 3 years after having received a Ph.D. or for M.D.s, 3 years following completion of a first residency). The award consists of a certificate and \$1000 to be used at the discretion of the awardee. The requirements include submission of 6 copies of the abstract and brief manuscript which describes the research to be presented at the annual MCS meeting as well as 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 1, 2000.



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

### **Zweifach Student Award**

Established in 1998, this award recognizes the outstanding mentoring efforts of Dr. Benjamin W. Zweifach and is designed to encourage meeting participation by young scientists in training. To qualify for this award, (a certificate and \$500) a student must be a first author on an abstract to be presented at the Annual Microcirculatory Society meeting. To apply for the award, the student should forward a copy of their abstract submitted for the meeting requesting that it be considered for this award and a letter of support from their mentor to the Chairman of the Awards Committee prior to November 1, 2000. The award will be presented at the Annual meeting of the Microcirculatory Society.



Benjamin W. Zweifach  
(1911-1997)

## **Cytometrics MCS 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. Six copies of 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 1, 2000. The award consists of a certificate and \$2500 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.

## **Christian Crone Travel Award for Outstanding Young Investigators**

This relatively new award is given to reward meritorious research in the field of microcirculation by an individual residing outside of the United States and Canada to supporting the recipient's visits to laboratories within North America. It is intended for a researcher who has received a Ph.D. or completed a first M.D. residency within 12 years of the deadline. Six copies of 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 1, 2000. The award consists of a certificate and \$2000 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.



Christian Crone  
(1926-1990)

Picture courtesy of The  
Royal Danish Academy of  
Sciences and Letters and  
Prof. Bengt Saltin

## **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 1, 2000. 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.

**DEADLINE: November 1, 2000 - The sooner the better**

### **Address for All Award Correspondence:**

William M. Chilian, Ph.D.  
Chair, MCS Awards Committee  
Department of Physiology  
Medical College of Wisconsin  
8701 Watertown Plank Road  
Milwaukee, WI 53226-0509

**E-mail: [chilian@mcw.edu](mailto:chilian@mcw.edu)**

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## Meeting Information

The 2001 meeting of the Microcirculatory Society will be held March 30-31 in Orlando, Florida. Our meeting is being held prior to and in conjunction with Experimental Biology 2001. Posters will be presented Friday afternoon and Saturday morning. On Saturday afternoon, there will be the Young Investigator Symposium from 1:00-3:00 followed by The President's symposium entitled "Signaling Mechanisms of Endothelial Nitric Oxide Synthase" from 3:15- 5:15. The Landis Award lecture is scheduled for Sunday, April 1st from 2:00-3:00.

***Abstract Deadline:  
Nov. 6, 2000***

Experimental Biology will again be handling the arrangements for the meeting. Therefore, you will be receiving abstract and meeting materials directly from them. It is important that you make note of the following:

1. There will be separate category codes for Microcirculatory Society sessions so members need to be sure and pick from those categories as appropriate and NOT from the regular EB list otherwise the abstract will be programmed into EB time slots (Sun-Wed) rather than within the Microcirculatory Society meeting (Fri-Sat).

2. The abstract form does **NOT** contain a box for you to check if you wish to be considered for the August Krogh Young Investigator Award or Zweifach Student Award described in detail elsewhere. Therefore, it is important for you to forward a separate copy of your abstract to William Chilian, Chairman of the Awards Committee indicating your desire to be considered.

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## Nominations for New Officers

It is once again time to submit nominations for next year's officers. We will be electing a President-Elect, Secretary and two Councilors. A nomination form is provided in 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 Sarah Yuan, Chairman of the Nominating Committee as soon as possible but no later than November 1, 2000. An election ballot will be provided shortly thereafter which will need to be returned by January 5, 2001.

***We need your involvement in choosing our Society's leaders. You can make a difference!***

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Don't Forget to Make your Plans to Attend the  
7th World Congress for Microcirculation, Sydney, Australia  
19-23 August, 2001.

Preliminary information is available on their Website:

<http://www.ozemail.com.au/~worldcongress/>

Please forward your nominations for the

**Zweifach Award**

to Bill Chilian ASAP



## The Benjamin Zweifach Award

to be given at the World Congress for Microcirculation, recognizes the achievements of **internationally renowned individuals whose careers have been noteworthy and who have made outstanding contributions to the advancement of our knowledge of microcirculation.**

Members of the Microcirculatory Society and other Microcirculation Societies around the world are requested to submit nominations for the award to William Chilian, Chairman of the Awards Committee prior to November 1, 2000. The nomination packet should include a letter of nomination, letters of support, a Curriculum Vitae and list of Publications. The ten most significant publications during the ten calendar years ending about 18 months preceding the presentation of the award are the principal basis for selection. The awardee will be invited to present a brief summary of his or her research career.

### POSTDOCTORAL FELLOWSHIPS AVAILABLE CARDIOVASCULAR RESEARCH INSTITUTE TEXAS A&M UNIVERSITY SYSTEM HEALTH SCIENCE CENTER

The Cardiovascular Research Institute invites applications from highly motivated individuals to fill available positions for postdoctoral studies. Within the Institute the Divisions of Vascular Biology and Molecular Cardiology are comprised of interdisciplinary groups of scientists focused on investigations of the signaling mechanisms underlying cardiovascular function and dysfunction. Individuals with backgrounds in medical science, molecular biology, bioengineering or biophysics are encouraged to apply. Current approaches involve transgenics, gene array technology and analysis of vascular and cardiac function at the physiological and biochemical levels. Unique opportunities for study include:

*Molecular determinants and dynamics of cell adhesion and vascular wall function. Cell adhesion molecules, integrins and extracellular matrix biology.*

Dr. Gerald A. Meininger, [gam@tamu.edu](mailto:gam@tamu.edu) or Dr. Emily Wilson, [emilyw@tamu.edu](mailto:emilyw@tamu.edu) Refer to **Job Number 000838.**

*Regulation of vascular smooth muscle phenotype by oxidative stress.*

Dr. Emily Wilson, [emilyw@tamu.edu](mailto:emilyw@tamu.edu) or Dr. Kenneth Ramos, [kramos@cvm.tamu.edu](mailto:kramos@cvm.tamu.edu) Refer to **Job Number 001063.**

*Temporal genomic patterns in angiogenesis.*

*Organogenesis: Creation of a complete microvascular bed in vitro.*

Dr. Harris J. Granger, [granger@tamu.edu](mailto:granger@tamu.edu) Refer to **Job Number 001457.**

*Cellular and molecular aspects of ischemia-reperfusion and preconditioning of the coronary microcirculation.*

Dr. Lih Kuo, [lkuo@tamu.edu](mailto:lkuo@tamu.edu) Refer to **Job Number 001445.**

*Signal transduction and gene regulation in diabetes. Gene therapy of cardiovascular diseases.*

Dr. Sarah Y. Yuan, [yuan@tamu.edu](mailto:yuan@tamu.edu) Refer to **Job Number 001466.**

*Cellular and molecular mechanisms of tumor angiogenesis and invasion.*

Dr. Reza Foruogh, [forough@tamu.edu](mailto:forough@tamu.edu) Refer to **Job Number 001504.**

*Cellular and molecular mechanisms of early embryonic heart development in vertebrates with emphasis on myofibrillogenesis and early heart inductive processes.*

Dr. Larry F. Lemanski, [l-lemanski@tamu.edu](mailto:l-lemanski@tamu.edu) Refer to **Job Number .**

*Regulation of contractile protein genes, associated proteins and cardiac muscle contractility.*

Dr. Mariappan Muthuchamy, [marim@tamu.edu](mailto:marim@tamu.edu) Refer to **Job Number 000670.**

Positions require a doctoral degree. Competitive salaries based on experience with benefits package. Interested individuals should refer to appropriate Job Number(s), send letter of interest, résumé and three references to **Human Resources Department, Employment Office, Texas A&M University, College Station, Texas 77843-1475. Web site: <http://www.tamu.edu/hrd/>.**

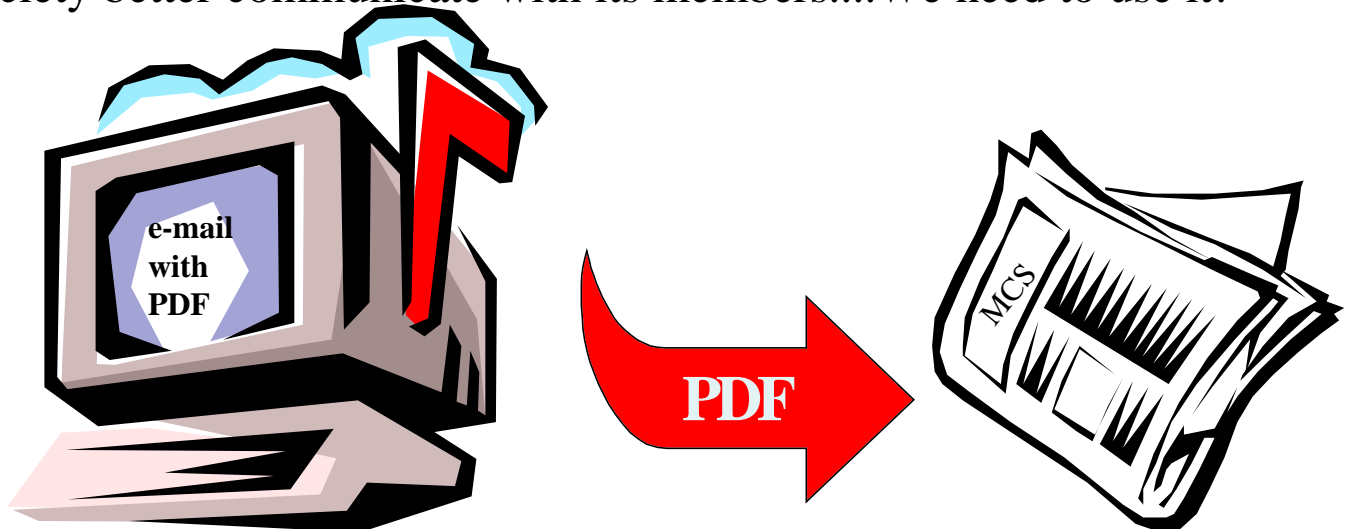
*Texas A&M University is an affirmative action/equal opportunity employer commi*

# Hear Ye! Hear Ye!



The Next Newsletter will be sent to you ONLY electronically!

As soon as the Winter Newsletter is ready, you will receive it only as a PDF attachment to an e-mail message (if and only if we have your correct e-mail address). You will be able to open it, read it and print out your very own copy using Adobe Acrobat Reader version 3.02 or later (available free of charge from a number of sites). What you will see will look identical to the one you would receive via mail. **If you did not receive this newsletter as a PDF attachment, we do not have a valid e-mail address for you so you need to carefully update your entry on our Web site.** As before, you will still be able to access the Newsletter via our Web site although you may have to wait for the information. Those individuals who have requested a paper newsletter will have one mailed to them as soon as it is available. I am hopeful that this will not only speed the information to you but save a great deal of the Secretary's time and Society's money. As a bonus, with the PDF version, the pictures are in color! If you have any questions or concerns, please let me know at: [ellsworthm@slu.edu](mailto:ellsworthm@slu.edu). The technology is available to help our Society better communicate with its members....We need to use it!





# 2000 Microcirculatory Society

## Nominating Ballot



**DEADLINE FOR RECEIPT: NOVEMBER 1, 2000**

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

*PLEASE PROVIDE NAME AND ADDRESS OF INDIVIDUAL NOMINATED*

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

**Secretary:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Councilors:** (1) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(2) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Please mail, FAX or e-mail Nominations to:**

Sarah Yuan, Ph.D.

Chair, Nominating Committee, The Microcirculatory Society

Depts. of Surgery and Medical Physiology

Texas A & M University System Health Science Center

1901 South 1st Street

Building 4, Room 204

Temple, TX 76504

**FAX: (254) 899-2371**

**E-Mail: yuan@tamu.edu**