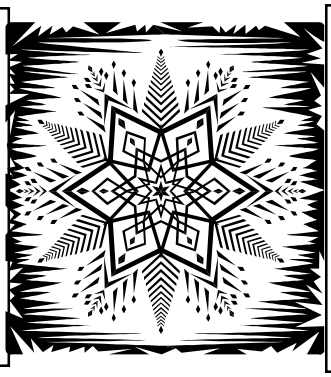
The Microcirculatory Society, Inc. Newsletter

Volume 28, Number 3 Winter, 2000-2001

Contents



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duran@umdnj.edu
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Note: All the blue highlighted text SHOULD take you directly to the specified location

President's Message

Walter Durán

We are approaching the final steps of the preparation for our Annual Meeting in Orlando, FL on March 30-31, 2001. The final details are to be worked out at the meeting with the American Physiological Society's Joint Program Committee in mid-December. The program promises to be exciting for all members. In addition to our Poster Sessions to be held on Friday afternoon and Saturday morning, we will have a workshop on "Clinical Applications of Intravital Microscopy", a "Young Investigator Session", the "MCS President's Symposium" and the "EM Landis Award Lecture". We are grateful to Cytometrics, Inc. for sponsoring the workshop and their contribution to the MCS President's Symposium. The schedule of the program is posted on our web site (http://microcirc.org/48thPROGRAM/Prgm2001.html).

As we have made a commitment to meet with APS – EB in for the immediate future, we should consider the possible benefits of integrating more our Poster Sessions with the EB program, and in particular we may interact in a mutually beneficial manner with the APS-Cardiovascular Section. At present we have sessions on Friday afternoon and Saturday morning. We may negotiate with APS and its CV Section to move one of our poster sessions to Sunday morning. We would retain the present time slots for the Young Investigators Session, the President's Symposium and the Landis Award Lecture. Possible benefits include: savings of one-day away from home/office (for those who attend both MCS and APS/EB meetings), increase in poster attendance, enhanced exchange of ideas with scientists in related fields, and opportunity to attract new members to MCS. Possible disadvantages are loss of small group ambiance and immersion in EB business. **Please let the members of our Program Committee know your thoughts on this subject.** The Program Committee and the Executive Council need your input before March 1, 2001. Their names and addresses are listed on our web site at http://microcirc.org/ABOUT/MCS_Committees.html

We need to address again the issue of membership. As reported by Deborah Damon, Chair of the Membership Committee, our growth in new members is positive but small. Ann Baldwin, MCS

Treasurer, reports that only a fraction of our membership is “active” - as defined by dues payments. We should challenge ourselves to a campaign goal so that each active member would bring a new active member to the Society. Simple arithmetic would predict that success of such campaign would result in doubling the active membership. Our membership drive should target the entire spectrum of scientists with special emphasis we should target new young members (postdoctoral fellows, instructors and junior assistant professors) to insure the future of our discipline and scientific endeavors. Please make an effort to stimulate your colleagues, including faculty members in clinical departments, to become members of MCS. I invite again to contact the members of the Executive Council and Committees to share your ideas on initiatives that would make MCS more attractive to junior and established scientists in academia and industry.

As important as our present and future are, so is our past. Gene Renkin, Chair of our Historical Committee, is working on updating the charge of the Committee and on organizing our records, archiving valuable microvascular films and tapes, etc. Please contact Gene directly if you have elements that may be considered of historical value for our Society at **emrenkin@ucdavis.edu**

If you have ideas on improvements to make our web site friendlier, more informative and more attractive to scientists, please contact Bob Gore, our webmaster. The MCS web site at ***http://microcirc.org*** is an excellent mechanism for updating the membership on events and for insuring timely communications.

I look forward to hearing from you.

Happy Holidays to all!

Dr. Fung Receives National Science Medal

From a letter to MCS from Shu Chien

The White House announced that Dr. Yuan-Cheng Fung, Professor Emeritus of Bioengineering and Applied Mechanics and founder of the Bioengineering Program at the University of California, San Diego (UCSD), received the President's National Medal of Science, the nation's highest scientific honor. Dr. Fung was recognized at an awards dinner scheduled for December 1 in Washington, D.C. The Medal was conferred by President Clinton.

In announcing the 12 Medal of Science honorees for the Year 2000, President Clinton paid tribute to a group of scientific leaders who changed or set new directions in social policy, neuroscience, biology, chemistry, bioengineering, mathematics, physics, and earth and environmental sciences. Dr. Fung is the first bioengineer to receive this most prestigious honor in science in this country. This year he is the only engineer receiving the Medal.

Dr. Fung has made outstanding contributions in bioengineering after an earlier illustrious career in aeronautical engineering. He is widely recognized as the father of biomechanics, establishing the fundamentals of biomechanical properties and behaviors of virtually every organ and tissue in the body. He has written several authoritative books on biomechanics that are used as textbooks around the world, in addition to books on solid mechanics and continuum mechanics. He adds the National Medal of Science to a long list of honors that include the Founder's Award from the National Academy of Engineering in 1998, the Bioengineering Award from the Japan Society of Mechanical Engineering , the Timoshenko Medal and the Melville Medal from the American Society of Mechanical Engineers (ASME), the Landis Award from the Microcirculatory Society, the ALZA Award from the Biomedical Engineering Society, the Borelli Award from the American Society of Biomechanics, and the Lifetime Achievement Award from the Association of Chinese Scientists and Engineers of California. In 1986 the ASME established the "Y.C. Fung Young Investigator Award" in his honor.

Society Losses Two Founding Members

Dr. J. HAROLD WAYLAND, Professor Emeritus of Engineering Science at California Institute of Technology, died on October 10 at Pomona CA following a heart attack on October 8. Professor Wayland was President of our Society in 1971-72 and was the recipient of the Eugene M. Landis Award in 1981. After retiring in 1979 he remained active in microcirculation, collaborating with other researchers, lecturing and attending scientific meetings. Professor Wayland will be remembered for his pioneering work in the development of quantitative methods for the study of the microcirculation and for applying these methods to significant issues of blood flow regulation and macromolecular exchange. He also took great interest in fostering scientific exchange, bringing scientists from a variety of backgrounds into his laboratory and serving as Visiting Professor in a number of institutions here and in Europe, Japan, China, Taiwan and Australia. Professor Wayland was 91.

Dr. EDWARD HENRY BLOCH passed away Friday morning, November 3, 2000 in Cleveland, OH at the age of 86. Dr. Bloch was born February 1, 1914 in Berlin, Germany and after WWI immigrated with his parents to the United States where they established residence in Chicago, IL. Dr. Bloch earned a B.Sc. degree in 1939 from the University of Chicago and an M.D. degree from the University of Tennessee in 1945. Subsequently, he interned at Michael Reese Hospital during 1945-1946, and then completed a Ph.D. degree under Melvin H. Knisely at the University of Chicago in 1949. From 1950-1955, Dr. Bloch was an Established Investigator of the American Heart Association. He joined the faculty of the Department of Anatomy, School of Medicine, Case Western Reserve University in 1952 as an Assistant Professor and rose to the rank of Professor. Dr. Bloch received international recognition for his pioneering research studying the microcirculation in experimental animals and man. He was a co-founder of the Microcirculatory Society in 1954, and served as its first president. From 1980 to 1982, he served as the Acting Chairman of the Department of Anatomy before retiring as Professor Emeritus in 1984. Until the past year, Dr. Bloch remained active in both teaching and scholarly activities. He was an avid reader and collector of books, a past president of the Cleveland Medical Library Association, the Handerson Medical History Society, and the literary Rowfant Club in Cleveland. A memorial service was held at on Wednesday, November 15th in the Amasa Stone Chapel, Case Western Reserve University.

Meeting Information

The 2001 meeting of the Microcirculatory Society will be held March 30-April 1 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. The Young Investigator Symposium will be held from 1:00 until 3:00 on Sarurday March 31 just prior to the President's symposium entitled "Signaling Mechanisms of Endothelial Nitric Oxide Synthase." The Landis Award Lecture is scheduled for Sunday, April 1st. It will be presented by Donald D. Heistad, M.D., Professor of Medicine, University of Iowa College of Medicine. The title of his talk is: "What's New in the Cerebral Microcirculation?" The Business meeting will be held Friday afternoon with the Executive Council meeting scheduled for Friday morning beginning at 8:00. The Banquet is scheduled for Saturday evening at a location yet to be confirmed.

You will notice that registration for the EB meeting is significantly less expensive for both members ($170 vs $225 USD) and nonmembers ($230 vs $285) if you pay in advance. Even Students will receive a $10 discount for preregistration. We would encourage you to preregister as it will make your life less hectic and we are all looking for ways of doing that. However, if you really must procrastinate and put it off until the meeting, registration, will be opening Friday at 1:00 in the Orange County Convention Center so you will be able to register and get a name badge at that time so you won't have to attend *incognito*.

MCS President's Symposium (sponsored by Cytometrics, Inc.)
Saturday, March 31, 2001
3:15-5:15
Orlando Convention Center
Rm 312 A/B

"Signaling Mechanisms of Endothelial Nitric Oxide Synthase."

Chairman: Walter N. Durán

Speakers:

3:15 **William C. Sessa, Ph. D**.: "Control of nitric oxide production by phosphorylation"
3:45 **Mauricio P. Boric, Ph. D.**:" Translocation of nitric oxide synthase as a signaling mechanism in vivo".
4:15 **Jan Schnitzer, M. D**.: "Mechano-activation of vascular endothelium via eNOS and caveolae"
4:45 **Thomas Michel, M. D., Ph. D**.: "New pathways in endothelial nitric oxide synthase signal transduction".

Vote For New Officers

A ballot is included in this Newsletter for voting for New Society Officers. You will also find mini CVs for all candidates put forth by the hard working Nominating Committee. Please return your ballots to Sarah Yuan as soon as possible. **The polls close on January 25, 2001 at 5:00 CST.** Don't miss your chance to make a difference!

New, Updated Directory is in the works!

We are compiling a paper directory of MCS members, **BUT** it will only include active (i.e. paid-up) members. If you wish to be included, please pay your dues for 2000, if you have not done so, within the next month. Copies will then be mailed to all paid-up members. If you decide later that you wish to be included, copies will be made available at the 2001 meeting in exhange for dues, and your name will be included in a supplement. If you are a Society Member you should pay your dues. If you don't wish to be a member any longer, we will place you on the inactive roster. YOUR CALL!!!!

We will be sending out dues notices for 2001 in the next few days, by mail. These will be followed up by e-mails, where necessary, in February or March. Remember, paying dues is easy. It all be done electronically! Give it a shot!

New Members

Regular Members

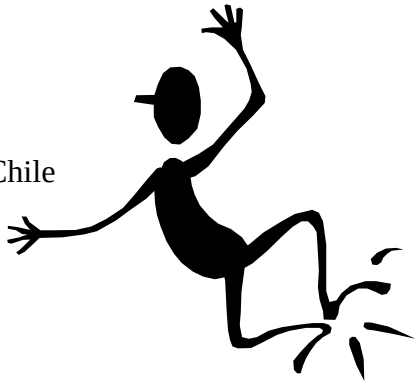
Tanya Mayadas-Norton, Brigham and Women's Hospital, Boston, MA
Melody Schwartz, Northwestern Univ., Evanston, IL
Anatoliy A. Gashev, Texas A & M University, College Station, TX
Elizabeth M. Wagner, The Johns Hopkins Asthma and Allergy Center, Baltmore, MD

Associate Members

Xiang Ni, Temple University, Philadelphia, PA

Student Members

Xavier F. Figueroa, P. Universidad Católica de Chile, Santiago, Chile
William G. Schrage, Univ.of Missouri, Columbia, MO
Francois Sylvester, Med. College of Wisconsin, Milwaukee, WI
Amit Badhwar, London Health Sciences Centre London, Ontario



WELCOME!

AN INVITATION
8th World Congress on Microcirculation
Summer 2005

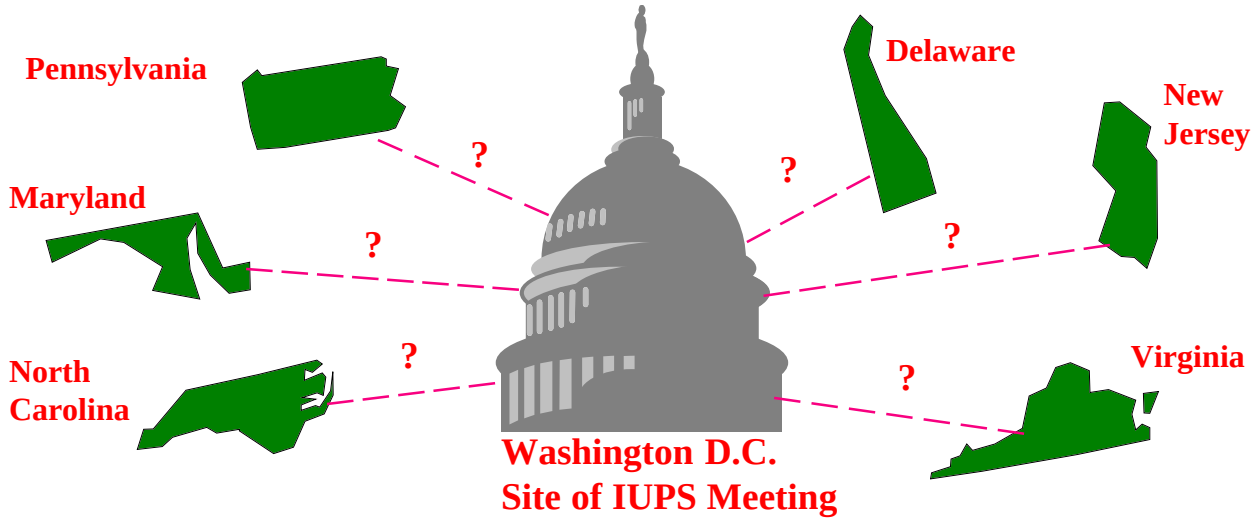
As the 7th World Congress on Microcirculation to be held in Sydney nears its opening, it heralds the time to start organizing the 8th World Congress on Microcirculation (WCM). The Microcirculatory Society's offer to host this congress in 2005 was accepted by the International Liason Committee of Microcirculatory Societies; our society's rationale in making this offer was that it was timely to host the congress in North America, and the opportunity existed to co-ordinate in some way (at our discretion) with the IUPS Congress that will be held in Washington D.C. in August, 2005.

The Executive Council of the Microcirculatory Society invites you to apply for the privilege of organizing the 8th World Congress on Microcirculation. If you are willing to serve as Chair of the Organizing Committee or as Organizing Committee member, please write to or call:

Ingrid H. Sarelius, PhD
Chair, MCS International Committee
Department of Pharmacology and Physiology
Medical Center, Box 711
University of Rochester
601 Elmwood Ave.
Rochester, NY 14642

Office Phone = **(716) 275-7729** FAX = **(716) 273 2652**
E-Mail = **ingrid_sarelius@urmc.rochester.edu**

Please send your initiatives to Dr. Sarelius by March 1, 2001. The submission should include information about the proposed organisational structure, meeting venue, hotel/dormitory accomodation, likely costs based on expected changes from current cost structures, etc. The MCS Executive Council will review the recommendations from the MCS International Committee at its meeting on March 30, 2001.



MID-YEAR COMMITTEE REPORTS

Finance Committee Progress Report (May 2000 - November 2000):

Since May, we have worked hard to persuade members to pay their dues for the year 2000, by sending several reminders. We have also asked members who no longer have an interest in MCS, and who no longer wish to remain active members of the Society, to inform us; they are then classified as "inactive" in our records. This procedure enables us to get a clearer idea of the functional size of the Society, and also reduces the number of dues reminders etc. that need to be sent.

At this point (11-27-00), the Society Membership is as follows:

Paid Members;	387
Unpaid Members:	281 (60 of these have bad addresses)
Inactive Members	45

If you know that you are included in the group of unpaid members, please either pay your dues for 2000, or email me that you wish to become inactive (abaldwin@u.arizona.edu).

In order to assist with payment of dues, we have set up an On-line Credit Card Payment System (Cardservice International of Norcal) on the Society Website. This service cost us $995 to set up (one time fee), and is costing $360 per year to maintain. Transaction fees, paid for by the Society, are: 2.35% + $0.25 for US and 3.6% + $0.25 for non-US transactions. So far, 56 members have used this service (19 non-US). This method of payment is particularly advantageous for foreign transactions because the transfer is by VISA in dollars, and so there are no exchange fees. Thank you to Bob Gore, Holly Lopez and Tracy Pilcher for their efforts in establishing our Credit Card Payment facility.

Our financial situation, as of 11-08-00 is as follows:

Bank One checking account:	$40,522.26
Certificate of Deposit:	$77,495.98
Vanguard Asset Allocation fund	$91,113.95
Total Assets:	$209,132.19

Thank you to those of you who have paid your dues.
Ann Baldwin, MCS Treasurer

The **Historical Committee** is undertaking a review of our Society's Archives in preparation for a history of our second 25 years, for our 50th anniversary in 2004. This will complement the history of our first 25 years written by George Fulton. Eugene Renkin, Chair, Historical Committee

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The Membership Committee: The Microcirulatory Society is now accepting membership applications on a rolling basis. Accordingly the membership committee has been receiving and reviewing applications. Since July, we have received five applications for regular membership, four applications for student membership and one application for associate membership. Two of the regular membership applications and three of the student membership applications have been approved. Keep those applications coming! Debbie Damon, Chair, Membership Committee

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Don't Forget!!!!! It is not too late!!!!!
Make your Plans to Attend the
7th World Congress for Microcirculation, Sydney, Australia
19-23 August, 2001.
Information is available on their Website:

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

Mini-CVs for Candidates
President-Elect

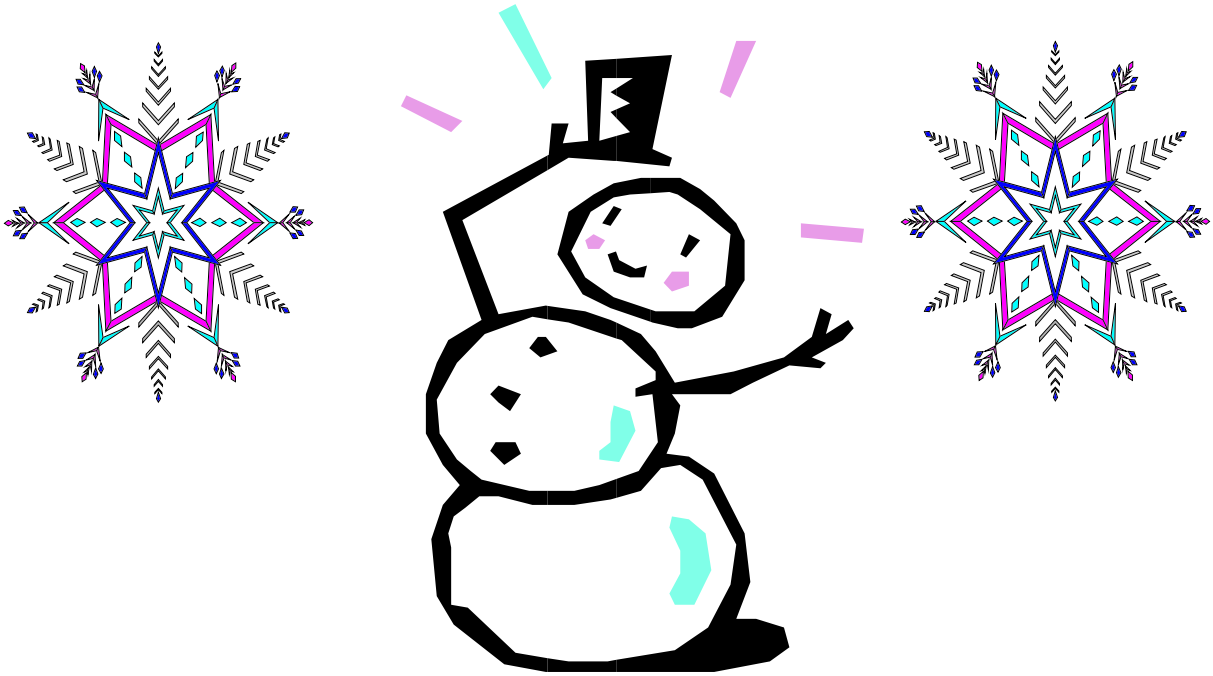
William F. Jackson, Ph.D. **Present Position:** Professor, Department of Biological Sciences, Western Michigan University: **Professional Experience:** 1979-1980 Michigan State University, Department of Physiology, Postdoctoral Trainee; 1980-1983 University of Virginia, Department of Physiology, Postdoctoral Fellow; 1983-1989 Medical College of Georgia, Dept. of Physiol. and Endo., Assistant Professor; 1989 Medical College of Georgia, Dept. of Physiol. and Endo., Associate Professor; 1989-1993 Western Michigan University, Dept. of Biological Sciences, Associate Professor; 1994-present Western Michigan University, Dept. of Biological Sciences, Professor. **Awards and Honors:** 1981-1983 National Institutes of Health, National Research Service Award, Individual Post-doctoral Fellowship; 1984-1987 National Institutes of Health, New Investigator Research Award; 1986-1987 Microcirculatory Society, Inc., Pharmacia Travel Award; 1987 Medical College of Georgia, School of Medicine, Outstanding Young Faculty Award. 1994 National Institutes of Health, Chairman, Clinical Sciences 2 study Section; 1995-2001 Journal of Vascular Research, Editorial Board; 1995-1997 American Journal of Physiology, Heart and Circulatory Physiology, Editorial Board; 1995 American Physiological Society, Fellow of the Cardiovascular Section; 1995 National Institutes of Health, National Research Service Award, Senior Postdoctoral Fellowship; 1998 Western Michigan University, Distinguished Faculty Scholar Award; 1999-2004 Microcirculation, Associate Editor. **Professional Activities:** Microcirculatory Society: 1984-1987 Awards Committee; 1995-1997 Executive Council; 1997-2000 Publications Committee. American Heart Association: 1987-1989 GA Affiliate, Research Peer Review Committee; 1990-1992 MI Affiliate, Research Peer Review Committee; 1994-1997 MI Affiliate Research Forum Committee; 1996-2000 National Office, Cardiovascular Regulation 2 Peer Review Com; 1999-2001 Great American Peer Review Committee 5C. National Institutes of Health: 1990-1994 Clinical Sciences 2 Study Section (Ad Hoc 1990-1991, member 1992-1994, chair 1994); 1994, 1998-2000 Exp. Cardiovasc. Sci. Study Section, Ad Hoc member. Invited reviewer for: Am. J. Physiol, J. Applied Physiol., Journal of Vascular Research, J. Physiol., Circ. Res., British J. Pharmacol, J. Gen. Pharmacol., Microcirculation, Microvasc. Res., Pflügers Archiv.: **Professional Societies:** American Heart Association Council on Circulation; American Physiological Society; Microcirculatory Society; North American Vascular Biology Organization; Sigma Xi

PAUL F. McDONAGH, Ph.D., Present Position: Professor of Surgery and Physiology; Chairman, Physiological Sciences Graduate Interdisciplinary Program; Director of Cardiovascular and Thoracic Surgery Research, University of Arizona, Tucson, Arizona. **Education:** B.S., Worcester Polytechnic Institute; M.S., Columbia University; Ph.D., University of California, Davis; Postdoctoral Training, University of Arizona. **Professional Societies:** Microcirculatory Society: Program Committee 1983-85, Executive Committee 1987-1990, Membership Committee 1988-1991, Development Committee 1993-1996, Finance Committee 1995-1996, Treasurer 1996-2000; American Heart Association, Chairman, Arizona Scientific Sessions Organizing Committee 1995,1996; Vascular Biology Organizing Committee, 1997; American Physiological Society, Society of Leukocyte Biology. **Editorial Board:** Microcirculation, 1983-1988; Microcirculation, 1998-Present. **Grant Review:** American Heart Association, Connecticut Affiliate, Research Review Committee 1982-1984; American Heart Association, Texas Affiliate Research Advisory Committee, 1985-1989; American Heart Association, Southwest Research Peer Review Consortium, 1996-1999; NIH HLB Study Section, Ad hoc, 1982, 1987, 2000; NSF Ad hoc, 1987; Veterans Administration Merit Grant Review, 1994, 1996; **Honors and Awards**: Charles W. Ohse Award, 1980; Sigma Xi (Yale University) 1982; Charles A. Lindbergh Award, 1984; Johnson and Johnson Focused Giving Award, 1987; Honorary Research Fellow, University College, London, 1990; Fellow, Council on Circulation American Heart Association; 1996. American Heart Association National Research Program Evaluation Committee (Nominee, 2001-2003).

Secretary:

Molly Frame, Ph.D.: Present Position: Assistant Professor, Department of Anesthesiology (1996), Biomedical Engineering (1996), Center for Cardiovascular Research (2000) at the University of Rochester, NY. **Prior Positions and Affiliations:** Instructor (1994-96), Department of Biophysics, University of Rochester; NIH Postdoctoral Fellow (1990-93), Department of Biophysics, Cardiology Unit, University of Rochester; NIH Predoctoral Fellow (1987-89), Department of Physiology, University of Missouri. **Education:** Ph.D. (Physiology, 1990) University of Missouri, Columbia. **Honors and Awards:** Finalist, Melvin L. Marcus Young Investigator Award, American Heart Association; Travel Award, 5th World Congress for Microcirculation; Curators Scholarship, University of Missouri, Columbia. **Professional Societies and Activities:** American Physiological Society, Biophysical Society, Microcirculatory Society (Program Committee, 1996-2000), American Heart Association, Biomedical Engineering Society (co-organizer of Circulation Track, 2000), American Association for the Advancement of Science; Consultant for Bristol-Meyer Squibb, Pharmaceutical Research; Microcirculation Physiome Project; NIH Grant Review, Special Emphasis Panel (1999). **Reviewer for:** American Journal of Physiology, Cancer Research, FASEB Journal, Journal of Vascular Research, Microcirculation, Microvascular Research.

Cindy Meininger, Ph.D.: **Present Position**: Associate Professor of Physiology, Cardiovascular Research Institute and Department of Medical Physiology, The Texas A&M University System Health Science Center, Temple, TX. **Education**: B.A. in Biology (1980), University of South Florida, Tampa, FL; Ph.D. in Vascular Biology (1987), Texas A&M University, College Station, TX; Postdoctoral Fellowship (1987-1989), Texas A&M University Health Science Center, College Station, TX; Postdoctoral Fellowship (1990-1991), Department of Surgical Research, Children's Hospital, Harvard Medical School, Boston, MA. **Professional Societies:** The Microcirculatory Society, Executive Council (1996-1999), Awards Committee (1995-1998), Membership Committee (1991-1994, Chair 1993-1994); North American Vascular Biology Organization; American Society for Cell Biology; Juvenile Diabetes Foundation International. **Editorial Boards:** Microcirculation, 1999-2004.



Councilor:

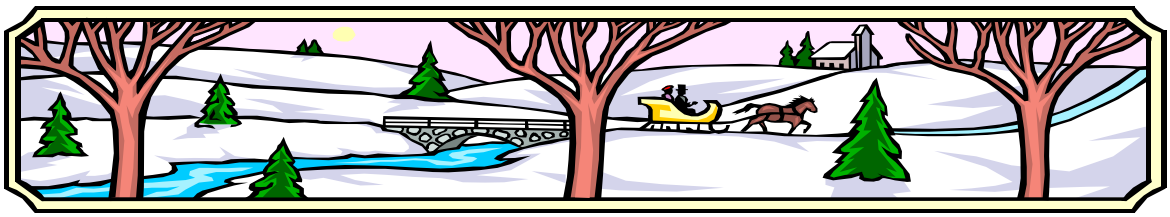
Matthew A. Boegehold, Ph.D.: **Present position:** Professor of Physiology, West Virginia University School of Medicine, Morgantown, WV. **Education:** B.S., University of Michigan (1980, Biology); Ph.D., University of Arizona (1986, Physiology); Postdoctoral fellow, Indiana University School of Medicine (Department of Physiology and Biophysics, 1986-1988). **Professional Societies:** Microcirculatory Society (Awards Committee, 1995-1998; Finance Committee, 2000-2003); American Physiological Society (Cardiovascular Section); European Society for Microcirculation; American Heart Association (Fellow, Council for High Blood Pressure Research; West Virginia Affiliate Research Policy Committee, 1993-1996; Ohio Valley Affiliate Research Committee, 2000-2004). **Honors and Awards:** NIH predoctoral traineeship (1980-1985); Young Investigator Award for International Symposium on Endothelium-Derived Vasoactive Factors (1992); International Union for Physiological Sciences Travel Awards (1993 and 1997); Microcirculatory Society Outstanding Young Investigator Travel Award (1994); West Virginia University Dean's Award for Research Excellence (2000). **Peer Review:** American Heart Association Brain and Cardiovascular Regulation Study Group (1995-1997); NIH-NHLBI Program Project Review Panel (1997); American Heart Association Cellular Cardiovascular Physiology & Pharmacology Study Group (ad hoc, 2000). Regular manuscript reviewer for Microcirculation, Microvascular Research, American Journal of Physiology, Hypertension, Journal of Vascular Research, Journal of Physiology, Cardiovascular Research, Journal of Pharmacology and Experimental Therapeutics.

Andrew S. Greene, Ph.D. : Present Position: Professor of Physiology, Biophysics Medical College of Wisconsin. Adjunct Professor of Biomedical Engineering, Marquette University. **Education:** B.S. Syracuse University, Syracuse, New York. Biomedical and Electrical Engineering(1980). Ph.D. Biomedical Engineering, The Johns Hopkins University School of Medicine, Baltimore, Maryland (1985). Postdoctoral, Department of Biomedical Engineering The Johns Hopkins University School of Medicine (1985). Postdoctoral, Department of Physiology Medical College of Wisconsin (1985-1986). **Professional Societies:** American Physiological Society, American Heart Association, Council for High Blood Pressure Research, Microcirculatory Society, Sigma XI Society, American Association for the Advancement of Science, Alliance for Engineering in Medicine and Biology, Biomedical Engineering Society. **Editorial Boards:** Journal of Vascular Research, 1998-Present, American Journal of Physiology, 1998-2000. **Reviewer for**: Cell, American Journal of Physiology, Microcirculatory Research, Circulation Research, Canadian Journal of Physiology and Pharmacology, Hypertension, IEEE transactions on Biomedical Engineering, Microcirculation, Annals of Biomedical Engineering, The Journal of Pharmacology & Experimental Therapeutics, Journal of Vascular Biology, Nature Medicine, Life Sciences. **Grant Peer Review:** National Institutes of Health Protein Production, Structure and Function Study Section, regular member, 1998-Present, National Institutes of Health, Surgery and Bioengineering Study Section, Ad. Hoc. Member, 1997-1999, **Honors and Awards:** Bioengineering Commission International Union of Physiological Sciences, 1999, Harry Beckman Basic Science Teaching Award, Medical College of Wisconsin, 1998, NASA Life Sciences Advisory Council, 1996, Fellow, Hypertension Council, American Heart Association, 1994, Student Choice Teaching Award, Medical College of Wisconsin, 1994, Fellow, American Physiological Society, 1992

Councilor:

Norman R. Harris, Ph.D.: Present Position: Assistant Professor, Department of Bioengineering, Pennsylvania State University. E**ducation:** B.S. in Chemical Engineering at Tennessee Technological University (1982-1987); M.S. and Ph.D. in Biomedical Engineering at Vanderbilt University (1987-1991); Postdoctoral fellow in Physiology and Biophysics at Louisiana State University Health Sciences Center in Shreveport (1991-1994). **Previous Positions:** Instructor (1995-1996) and Research Assistant Professor (1996-1998) of Molecular & Cellular Physiology at Louisiana State University Health Sciences Center in Shreveport. **Professional Societies:** Microcirculatory Society (1995-present); American Physiological Society (1995-present); Biomedical Engineering Society (1998-present). **Peer Review for Journals:** *Microcirculation, Microvascular Research, American Journal of Physiology, Inflammation Research, Clinical Science*. **Awards:** Young Investigator Award (Intramural LSU Medical Center/Biomedical Research Foundation) 1996; NSF Center of Excellence Award (co-investigator) 1995-1998; NIH R29 FIRST Award 1996-2000; NIH R03 Pilot Award 1999-2000; Whitaker Foundation Research Award 2000-2003; American Heart Association Established Investigator Award 2001-2004. **Research:** Microcirculatory Transport – investigating the vascular and cellular communication that regulates transvascular exchange and capillary perfusion in health and disease.

Robert L. Hester, Ph.D.:_Present Position: Professor, Department of Physiology, University Mississippi Medical Center, Jackson, MS; **Education**: Ph.D. Biomedical Engineering, Mississippi State University and University of Mississippi Medical Center, 1982. **Previous Positions**: Professor, Dept Physiology and Biophysics, 2000-, Associate Professor, Dept Physiology and Biophysics, 1993-2000, Assistant Professor, Dept Physiology and Biophysics,1985-1993, **Professional Societies**: Microcirculatory Society, American Physiological Society, American Heart Association (Fellow, Council for High Blood Pressure Research), Biomedical Engineering Society, Historical Committee Microcirculatory Society, 1993-1995, Membership Committee Microcirculatory Society, 1998-, Membership Committee Biomedical Engineering Society, 1995-1998. **Editorial Board:** Microcirculation 1998-, American Journal of Physiology: Regulatory, Integrative, Comparative Physiology 1994-, American Journal of Physiology: Heart Circulatory Physiology, 1995-1998, 1999-. **Peer Reviewer**: Microcirculation, American Journal of Physiology: Regulatory, Integrative, Comparative Physiology, American Journal of Physiology: Heart Circulatory Physiology, International Society of Hypertension, Journal of Physiology (London), Journal of Biomechanical Engineering, Microvascular Research, Journal of Vascular Research. **Study Section**: Alabama, Arkansas, Mississippi Consortium American Heart Association 1994-1997. Southeast Affiliate American Heart Association 1998- **Patent Holder** # 5,312,550 Method for detecting undesired dialysis recirculation.



Positions Open

ASSISTANT PROFESSOR AND INSTRUCTOR POSITIONS in Steele Lab for Tumor Biology at Mass General Hospital and Harvard Medical School. Immunological, molecular and biomedical engineering techniques applied to improving detection and treatment of cancer through a better understanding of tumor pathophysiology and barriers to delivery of therapeutic agents. Must possess M.D. and/or Ph.D., extensive research experience, and minimum 2 years postdoctoral experience. Limited teaching responsibilities. Applicants should send a C.V., career statement, and 3 ref letters to: Dr. Rakesh K. Jain, Department of Radiation Oncology, Massachusetts General Hospital, Boston, MA 02114.

POSTDOCTORAL POSITION in Steele Lab for Tumor Biology at Mass Gen Hosp and Harvard Medical School. Five faculty (R.K. Jain, Y. Boucher, L.L. Munn, D. Fukumara, and K. Burton) lead projects in the areas of angiogenesis, metabolic micro-environment, cell mechanics, and transvascular, interstitial, or cellular transport. These studies are directed towards understanding tumor pathophysiology and barriers to delivery of therapeutic agents. Must possess M.D. and/or Ph.D. Applicants should send a C.V., career statement, and 3 reference letters to: Dr. Rakesh K. Jain, Department of Radiation Oncology, Massachusetts General Hospital, Boston, MA 02114.

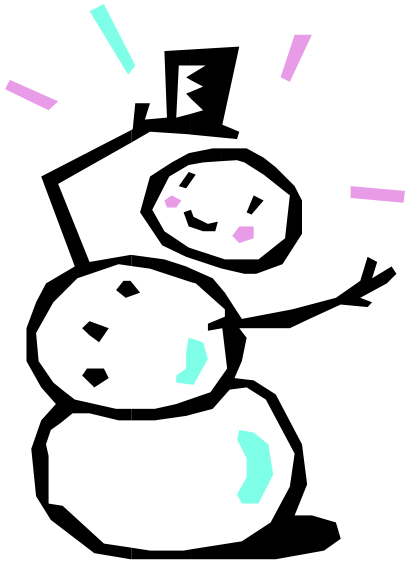
POSTDOCTORAL RESEARCH POSITION

A postdoctoral position is available in the Microhemodynamics Laboratory of the Department of Bioengineering, University of California, San Diego. The work will be carried out under the direction of Dr. Paul Johnson and will primarily examine the microcirculatory changes during acute and chronic exposure to alterations in inspired oxygen levels. These studies will utilize a variety of optical techniques to examine changes in blood and tissue oxygen levels, blood flow, arteriolar dimensions, tissue redox state, p-selectin expression, oxidative stress and cell viability in vivo. There may also be opportunities to participate in related studies on blood substitutes and in vivo hemorheology. Support is through NIH funded research grants and salary is commensurate with experience and university guidelines. The University of California, San Diego is an equal opportunity employer. Applicants may send a letter describing relevant background and a curriculum vitae to: Dr. Paul Johnson, Dept of Bioengineering 0412, University of California, San Diego, La Jolla, CA, 92093-0412

Don't Forget to check our Web site!

http://microcirc.org

The Spring Newsletter with final meeting information will be sent as a PDF attachment in late February. It will also be posted on our Web Site in early March. Look for it!



Hope to see you all in Orlando in the Spring!

We would like to wish you and your families a very Happy New Year!!!!!!!

2000-2001 Microcirculatory Society Ballot

Vote for <u>ONE</u> of the following for President-Elect:

William F. Jackson _____
Paul F. McDonagh _____

Vote for <u>ONE</u> of the following for Secretary:

Molly Frame _____
Cindy Meininger _____

Vote for <u>TWO</u> of the following for Council:

Matt Boegehold _____
Andrew Greene _____
Norman Harris _____
Robert Hester _____

DEADLINE FOR RECEIPT: 5:00 P.M. CST, January 24, 2001

Please Return Ballots to:

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Texas A & M University System Health Science Center
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