



NAVBO NEWSLETTER

North American Vascular
Biology Organization

Volume 6 Number 1
March 1999

MESSAGE FROM THE PRESIDENT

In our last NAVBO newsletter I outlined a number of plans and goals for my term as President. I am extremely pleased to report that we have made extensive progress in a number of areas that I will briefly review in this column. In addition, I will outline a number of key challenges that our organization faces, and several proposed initiatives where we would like to have your input.

Plans for the 1999 Vascular Biology (VB)/Experimental Biology (EB) Meeting which will be held Friday, April 16 through Wednesday, April 21, in Washington DC are being finalized. Dr. Mark Majesky and his Program Committee have put together an outstanding scientific program (see enclosed program and the NAVBO Website). The meeting will kick off with a NAVBO business meeting at 4:00 p.m. on Friday, April 16, followed by the traditional Blood Vessel Club. Dr. Mark Taubman has arranged an excellent scientific program for the Blood Vessel Club (see program information), that I am sure you will find extremely exciting. The Vascular Biology Program includes the inaugural Earl P. Benditt Award Lecture that will be held at 11:00 a.m. on Monday, April 19. The first recipient of this prestigious award is Dr. Morris Karnovsky of Harvard Medical School. The VB program includes presentations by well-established leaders in the vascular biology field, but also a number of complementary disciplines such as cardiovascular genomics. The program has also incorporated oral presentations by fellows and postdocs who submitted abstracts. All Vascular Biology symposia and minisymposia, as well as selected Vascular Biology posters will be at the Marriott at Metro Center that will serve as our meeting headquarters. The EB meeting registration fee will allow you to attend all Vascular Biology and Experimental Biology sessions as well as the exhibits. This promises to be an extremely exciting meeting, and I look forward to seeing you in Washington D.C. this spring.

The NAVBO Council and I have been working on plans for the Vascular Biology meetings in the year 2000 and 2001. In contrast to past years, we have elected to make a multi-year decision regarding the venue for the Vascular Biology meetings to help eliminate last minute decisions and to allow more time for planning. We have elected to hold the Vascular Biology 2000 meeting in conjunction with the Atherosclerosis, Thrombosis, and Vascular Biology (ATVB) Sections of the American Heart Association in May, in San Diego. Drs. Paul DiCorleto and Bradford Berk (NAVBO president-elect) will co-chair the Vascular Biology Program Committee for this meeting. We are currently considering several options for the Vascular Biology 2001 meeting. This includes re-joining Experimental Biology in a format similar to that being used this year. Alternatively, we may hold an independent meeting either directly before Experimental Biology as we have done in the past, or at a separate venue. A decision regarding the 2001 meeting will be made later this spring after we have time to assess the outcome of this year's Vascular Biology/Experimental Biology joint meeting. We would very much appreciate your input regarding the Vascular Biology 99 Meeting, and/or any other comments you might have regarding preferred formats (and venues) for the Vascular Biology Meetings. Please email your comments to our secretary treasurer Dr. Mary Gerritsen (meg@gene.com).

We have also made progress in planning for future International Vascular Biology Meetings (IVBM). In brief, the Japanese Vascular Biology Society has accepted NAVBO's invitation to replace us as hosts for the 2002 meeting. This was done as a gesture of goodwill to our colleagues in Japan who originally were to host IVBM 2006 but had hoped to host an earlier meeting. This will allow NAVBO additional time for planning for the IVBM meeting in 2004 that will be held in North America. We are still looking for a group to host the IVBM 2004 meeting,

and I would strongly encourage your group to give this serious consideration. Please contact either Steve Schwartz or I if you are interested.

Dr. Michael Gimbrone has chaired a NAVBO Development Committee that has enjoyed considerable success over the past several months in raising funds to support NAVBO's efforts to promote vascular biology, supporting attendance at VB meetings by fellows and students, and to provide some initial seed funding for future International Vascular Biology Meetings to be held in North America. If you know of prospective donors or have contacts in industry or the private sector that might consider making a donation to NAVBO please contact Michael. (email: gimbrone@bustoff.bwh.harvard.edu). Hats off to Michael for doing an outstanding job, and please extend your thanks to him when you next see him.

I would like to strongly encourage you to become an active participant in NAVBO. We are the largest Vascular Biology Society in the world, and believe that we have been very successful in providing a unique forum for scientific interaction and exchange in our field. NAVBO has also helped to increase the visibility of our discipline, and has helped promote the field through interaction with granting agencies, etc. at the national and international levels. NAVBO

sponsored meetings are widely recognized as being of extremely high quality, and one of the premier settings to present your newest and most exciting research findings to a broad constituency of vascular biologists. The continued success of NAVBO requires highly motivated and dedicated individuals to serve on our council and various committees. Over the next several months we will be soliciting nominations for these positions and need your input and participation. Please do not feel shy about nominating yourself if you would like to help. I would also like to reiterate my challenge in the last newsletter for each current NAVBO member to recruit at least two new members to our organization. A membership form is included in this newsletter, and I strongly encourage you to convince your colleagues to join us in making this the premier vascular biology organization in the world.

In summary, NAVBO is thriving and provides a unique forum for scientific interaction between scientists with a common interest in vascular biology. I welcome your comments and suggestions on how you feel NAVBO can improve how it serves its membership. I would particularly appreciate your input on the issues raised in the preceding paragraphs. I hope to see you in Washington, D.C. April 16-21.



In Memoriam

The vascular biology research community mourns the loss of a major figure in the field of cardiovascular research, **Dr. Russell Ross**, Professor and Past-Chair of the Department of Pathology at the University of Washington, School of Medicine. He died suddenly on March 18th in Seattle, following surgery for an abdominal malignancy. He was 69 years old.

In an extraordinary career that spanned 4 decades, Dr. Ross led the crusade to understand the cellular and molecular mechanisms of atherosclerotic vascular disease, the leading cause of heart attack and stroke in this country and the industrialized world. His "Response-to-Injury Hypothesis" first detailed in a *New England Journal of Medicine* article in 1976, provided a conceptual framework for much of the research that has focused on the contributions of vascular cells, endothelium and smooth muscle, and their interactions with monocyte-macrophages, in the initiation and progression of atherosclerotic lesions. His early work focused on the identification and characterization of the platelet-derived growth factor as a key mediator in the response of the arterial wall to injury; subsequent studies explored the contributions of monocyte-macrophages (foam cells) to the local cytokine/growth factor milieu of developing lesions; and his group's most recent contributions focused on the role of extracellular matrix in the modulation of vascular smooth muscle phenotype.

His groundbreaking research and dedication to solving a major human disease problem won him the respect and recognition of academic colleagues worldwide. He was the recipient of numerous prestigious awards, and played a leadership role in the biomedical research community, in this country and abroad. Dr. Ross played an important role in the early planning of the North American Vascular Biology Organization, and, with his colleagues, hosted the very successful International Vascular Biology Meetings that were held in Seattle, Washington in August 1996.

Vascular Biology '99 Program

April 16-20, 1999

Washington Convention Center & Marriott Metro-Center Hotel
Washington, DC

Friday, April 16, 1999

4:00-5:00PM

NAVBO Business Meeting

Chair: Gary K. Owens, President

Washington Convention Center - Room 39

5:00-7:00PM

Blood Vessel Club

Chair: Mark B. Taubman, Mt. Sinai Med Ctr

Washington Convention Center - Room 39

Invited Speakers:

Peter F. Davies, University of Pennsylvania
*Expression Profiling: Focal and Regional
Endothelial Heterogeneity*

Kathy Griendling, Emory University
*Oxidant Signaling by Angiotensin II in Vascular
Smooth Muscle Cells*

Gary K. Owens, University of Virginia
*Molecular Control of Smooth Muscle Cell
Differentiation*

7:00-9:00PM

Reception

Washington Convention Center - Room 40

Saturday, April 17, 1999

8:30-11:00AM

Symposium: **Cardiovascular Genomics**

Marriott Ballroom Salons B,C,D

Chairs:

Mary E. Gerritsen, Genentech, Inc.
Stephen M Schwartz, Univ of Washington

Invited Speakers:

Leroy E. Hood, Univ of Washington
Genomics, proteomics and systems biology

David G. Lowe, Genentech, Inc.
*Expression profiling and the identification of genes
associated with stress inducible phenotypes of the heart*

Lawrence Adams, Univ of Washington
Gene discovery by construction of random arrays
Michael Pech, Hoffman-LaRoche, Inc.
*Gene expression analysis in atherosclerotic lesions
by RNA subtraction, oligonucleotide chips and
cDNA arrays*

Ruedi Aebersold, Univ of Washington
The Proteome: Analysis and Utility
Christopher C. W. Hughes, Univ of CA, Irvine
*A novel bHLH zipper protein and its role in
angiogenesis*

1:30-4:00PM

Minisymposia:

Genetic Diseases of the Vascular Extracellular Matrix

Marriott Ballroom Salons B,C

Chairs:

Hal Dietz, Johns Hopkins University
Robert P. Mecham, Washington University

Invited Speakers:

Hal Dietz

Molecular Genetics of Marfan's Syndrome

Robert P. Mecham

*Elastic Microfiber Proteins as Information
Macromolecules*

Dean Li, University of Utah

Elastin Deficiencies and supravalvular aortic stenosis

Paul Bornstein, University of Washington
*Connective Tissue Abnormalities in Mice That Lack
Thrombospondin-2 display a complex phenotype that
includes a bleeding diathesis and increased
angiogenesis*

Growth Factors, Cytokines and Signaling in the Vessel Wall

Marriott Ballroom Salon D

Chairs:

Robert D. Rosenberg, MIT & Harvard Med Sch
Daniel F. Bowen-Pope, Univ of Washington

Invited Speakers:

Robert D. Rosenberg

Overview

Barrett J. Rollins, Dana Farber Cancer Institute
MCP-1 in vascular pathology and immunology

Daniel F. Bowen-Pope

*Expression and function of a novel tyrosine phosphatase-
like protein with inositol hosphatase activity*

4:00-5:30PM

Poster Sessions

Marriott Paris Room

Cardiovascular Genomics

Remodeling, Restenosis and Vascular Matrix

Marriott Ballroom Salon A

Cytokines and vascular cells

Growth Factors and the Vessel Wall

Sunday, April 18, 1999

8:30-11:00AM

Symposium: **Why Plaques Rupture?**

Marriott Ballroom Salons B,C,D

Chairs:

Alexander W. Clowes, Univ of Washington
Momtaz Wassef, NHLBI, NIH

Invited Speakers:

Peter Libby, Brigham and Women's Hospital
Molecular mechanisms of superficial erosion of atheroma

Renu Virmani, Armed Forces Institute of Pathology

Luminal thrombi and underlying plaque morphology

Yale Nemerson, Mt. Sinai Medical Center
Tissue factor, the blood and the arterial wall

Thomas Hatsukami, University of Washington
Identification of atherosclerotic carotid plaque characteristics with high-resolution magnetic resonance imaging

Alexander W. Clowes
Modeling the thrombotic aspects of advanced atherosclerosis

David A. Dichek, Gladstone Institute, UCSF
Will murine plaques rupture?

1:30-4:00PM

Minisymposia

What's New in Mouse Models

Marriott Ballroom Salons B,C

Chairs:

Nobuyo Maeda, University of North Carolina
William Aird, Beth Israel-Deaconess Med Ctr

Invited Speaker:

Nobuyo Maeda
Gene replacement as an approach to study atherogenesis in mice

William Aird
Vascular bed-specific gene regulation within the endothelium

Masashi Yanagisawa, UT-Southwestern
Endothelin B receptor-deficient mice and rats: new models of salt-sensitive hypertension

Lipoproteins and Reactive Oxygen Species

Marriott Ballroom Salon D

Chairs:

Bradford Berk, University of Rochester Med Sch
David P. Hajjar, Cornell University Med Ctr

Invited Speakers:

Bradford Berk
Redox sensitive kinases in the vasculature

Masuko Ushio-Fukai, Emory University Sch of Med
Novel role for reactive oxygen species in activation of cell survival kinase Akt by angiotensin II in vascular smooth muscle

4:00-5:30PM

Poster Sessions

Marriott Paris Room

Calcification
Metalloproteinases
Vascular matrix

Marriott Ballroom Salon A

Lipids and Oxidative Damage
Redox signaling in vascular cells
Vascular signal transduction and transcription

Monday, April 19, 1999

8:30-11:00AM

Symposium: **Tissue Remodeling in Angiogenesis**

Marriott Ballroom Salons B,C,D

Chairs:

David Cheresh, The Scripps Research Institute
Luisa Iruela-Arispe, Univ of California, Los Angeles

Invited Speakers:

David Cheresh
Role of alpha V integrins in angiogenesis and disease
Helen Blau, Stanford University
Transfer of VEGF-producing myoblasts for therapeutic angiogenesis

Luisa Iruela-Arispe
Multiple mechanisms of blood vessel inhibition and remodeling

Thomas Quertermous, Stanford University*
The embryonic endothelial marker Del-1 is a novel proangiogenic factor
(*not confirmed)

11:00AM-12:00Noon

Earl P. Benditt Award Lecture

Marriott Ballroom Salons B,C,D

Chairs:

Gary K. Owens, NAVBO President
Stephen M. Schwartz, Former NAVBO President

Recipient/Speaker:

Morris J. Karnovsky, Harvard Medical School
Peripatetic studies on blood vessels: from small pores to heparin and neointima.

1:30-4:00PM

Minisymposia

Vascular Development and Patterning

Marriott Ballroom Salons B,C

Chairs:

George Yancopoulos, Regeneron
Pharmaceuticals, Inc.

Charles D. Little, Med Univ of South Carolina

Invited Speakers:

George Yancopoulos

Angiopoietins and Vasculogenesis

Geraldine Weinmaster, UCLA

Role of Jagged/Notch Signaling in Vasculogenesis

Christopher Drake, Med Univ of South Carolina

*Temporal and Spatial Analysis of Vasculogenesis
in the Murine Embryo*

Estrogen and the Vessel Wall

Marriott Ballroom Salon D

Chairs:

Suzanne Oparil, Univ of Alabama at Birmingham
Michael E. Mendelsohn, Tufts Univ Sch of Med

Invited Speakers:

Michael E. Mendelsohn

*Estrogen-Independent Activation of Estrogen
Receptor-Alpha*

Suzanne Oparil

*Estrogen Modulates Adventitial Responses to
Endovascular Injury*

Philip Shaul, UT Southwestern Med Ctr

Rapid effects of estrogen on vascular endothelium

H. William Schnaper, Northwestern University

*Estrogen Modulates Endothelial Signal
Transduction by Diverse Mechanisms*

4:00-5:30PM

Poster Sessions

Marriott Ballroom Salon A

Angiogenesis

Estrogen and the Vessel Wall

Marriott Paris Room

Endothelial Cell Junctions

Vascular Development and Patterning

Tuesday, April 20, 1999

8:30-9:30AM

Young Investigators Presentations

Marriott Ballroom Salons B,C,D

Chairs:

Mark W. Majesky, Baylor College of Medicine
Mary E. Gerritsen, Genentech, Inc.

10:00AM-12:40PM

Symposium:

Leukocyte-Endothelial Interactions: Clinical Frontiers

Marriott Ballroom Salons B,C,D

Chairs:

John Harlan, University of Washington

C. Wayne Smith, Baylor College of Medicine

Invited Speakers:

John Harlan, University of Washington

*Endothelial-leukocyte adhesion molecules in
inflammation and vascular disease*

C. Wayne Smith, Baylor College of Medicine

*Recent Studies of Neutrophil Interactions Under
Conditions of Flow*

1:30-4:00PM

Minisymposium:

Biomechanical Signaling

Marriott Ballroom Salon D

Chairs:

Peter F. Davies, University of Pennsylvania

Michael A. Gimbrone, Jr., Brigham & Women's
Hospital, Harvard Medical School

Overview by Peter F. Davies

Abstract driven session.

4:00-5:30PM - Vascular Poster Sessions

Marriott Ballroom Salon A

Biomechanical Signaling

Oxidized Lipids

Marriott Paris Room

Vascular Cell and Molecular Biology

Wednesday, April 21, 1999

Poster Sessions, Late Breaking Abstracts - Convention
Center

Job Opportunities

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE . VASCULAR CELL AND MOLECULAR BIOLOGY

Two positions for fellows or semi-independent research scientists to pursue regulation of gene expression in endothelial cells. Emphasis is on the identity and mode of action of transcription factors involved in the induction of growth factor/cytokine genes and endothelial-leukocyte adhesion molecules. This laboratory effort is part of a team of highly interactive scientists studying multiple aspects of vascular cell and molecular biology in vitro and in vivo. Competitive salary and fringe benefits, including eligibility for a \$10,000/year supplemental salary award as a Lerner Research Institute Fellow.

Send C.V. and names of three references to:

Dr. Paul E. DiCorleto, Chairman

Department of Cell Biology - NC10

Lerner Research Institute of the Cleveland Clinic

9500 Euclid Avenue, Cleveland, OH 44195

e-mail: dicorlp@cesmtp.ccf.org

<http://www.ri.ccf.org/ri/pi/dicorlp.html>

NEW PREDOCTORAL FELLOWSHIP IN MOLECULAR THERAPEUTICS

Novartis Pharmaceuticals has initiated a predoctoral fellowship in Molecular Therapeutics together with the Dept. of Molecular Genetics and Microbiology at the University of Medicine and Dentistry of New Jersey (UMDNJ) in Piscataway, NJ. Course work leading to a Ph.D. is performed at UMDNJ, while laboratory rotations and thesis research are performed at Novartis Pharmaceuticals in Summit, NJ. Thus the program fully integrates the university and industry environments and is appropriate for students planning a career in either. Laboratory training includes a choice of cutting edge research areas including transcriptional control, cell-cell interactions, apoptosis, functional genomics and NMR spectroscopy within a variety of departments including Oncology, Cardiovascular Diseases, Transplantation, Arthritis, and Gene and Stem Cell Therapy. We are seeking highly motivated students who will have obtained a bachelor's degree by June 1999. The fellowship includes full tuition, a stipend, moving allowance and health insurance. Applications and further information can be found at:

<http://www2.umdj.edu/mgm/grad.html> Inquires can be made to:

phd.fellowship@pharma.novartis.com

Applications are due April 1, 1999

POST-GRADUATE RESEARCH POSITION IMMEDIATELY AVAILABLE.

Projects involve understanding the biochemical, physiological, and molecular mechanisms of atherosclerosis in the vascular wall including hormonal regulation, lipoprotein transport, vascular stiffening, and glycoxidative injury. Study approaches involve hyperlipidemic animal models (normal and transgenic/knockouts) using microvascular perfusions coupled with microscopic imaging of tissues, and cellular and molecular analyses. Experience in immunocytochemistry, sterile tissue culture, Northern and Southern blotting, PCR, gel electrophoresis, cloning, sequencing, and mouse genetics highly desirable. Interested candidates should send letter of interest and experience along with resume to:

John C. Rutledge, M.D.

Division of Cardiovascular Medicine

University of California, Davis School of Medicine

TB 172, Bioletti Way

One Shields Drive, Davis, California 95616

Tel. 530-752-0717; FAX 530-752-3264

Jcrutledge@ucdavis.edu

POSTDOCTORAL RESEARCH POSITION

We are currently seeking candidates for a full time Research Fellowship in the Vascular Research Laboratories, Department of Surgery at the Health Sciences Center, State University of New York and the Syracuse Veterans Affairs Medical Center. The research program is investigating the molecular basis of pathological thrombosis, focussing on platelets, the blood vessel, and heparins. Experiences in protein and peptide biochemistry, glycobiology, signal transduction, or cellular receptors would all be welcome. Candidates should have a Ph.D. or M.D. degree and relevant past experience. Please submit your CV with a cover letter to:

Prof. Michael Sobel, M.D.

Surgery Service - 112

Syracuse VAMC

800 Irving Ave., Syracuse NY 13210

Fax 315 477-4858; SobelM@hcsyr.edu

POSTDOCTORAL POSITION HARVARD MEDICAL SCHOOL

Field of vascular biology and/or obesity. Study the role of leukocyte and platelet adhesion receptors in thrombosis, inflammation, atherosclerosis and adipogenesis. Prefer candidates with experience in molecular biology and/or working with mice. Publications in international journals are a prerequisite.

Send curriculum vitae to:
Denisa D. Wagner, Ph.D.
Professor of Pathology
Harvard Medical School
The Center for Blood Research
800 Huntington Avenue
Boston, MA, 02115 Fax: (617) 278-3368
An Equal Opportunity Employer.

NAVBO ANNOUNCEMENTS

We are seeking input for the next NAVBO Newsletter from NAVBO membership regarding the following:

- Meeting announcements (please provide dates, city, state, contact name and address, email, telephone and fax numbers)
- Program announcements (e.g. courses, graduate training, post-doctoral etc)
- Job announcements (faculty, post-doc, technician)
- Other announcements of interest to NAVBO membership (subject to approval by NAVBO council)

Please email the information you would like included in the next newsletter to:
Mary Gerritsen; meg@gene.com

Calendar of Scientific Meetings

April 12 - 13, 1999. Durham, UK **British Microcirculation Society, Scientific Meeting**, Enquiries: The Honorary Secretary BMS, Dr John Lever, Department of Biological & Medical Systems, Imperial College, London SW7 2BY Tel 011 44 (0)171 594 5172 Fax 01144 (0)171 594 5177 e-mail: (m.j.lever@ic.ac.uk)

May 4-5, 1999. Galveston Texas. - Second International Symposium Coronary Thrombosis and Atherosclerosis: Update on Theories, Trials, and Treatment: Contact: Symposium Coordinator The University of Texas Medical Branch 301 University Boulevard Galveston, Texas 77555-0553 Tel: 409-772-1533 fax: 409-772-4982. <http://www.symposium.cardiology.utmb.edu>

May 6-8, 1999. Boston, MA. **Current Issues in Vascular and Endovascular Surgery** Contact: Office of Continuing Education, Harvard Medical School, PO Box 825, Boston, MA 02117, USA; Tel: 617 432 1525

May 14, 1999 from 10:00 am - 1:00 pm EST. Internet. The Cleveland Clinic Foundation will be conducting a live medical CyberSession titled: Second Restenosis Cybersummit. Medical CyberSessions are innovative and interactive medical conferences that take place via the Internet. Viewers can log on from the convenience of their home or office, listen to live formal discussions with slides and audio, and

participate in a real-time interactive Q&A period with the speakers. Register today and join Drs Eric J. Topol, David A. Dichek, Antoine Lafont, Peter Libby, Michael Lincoff, Marlene Rabinovitch, Campbell D.K. Rogers, Robert S. Schwartz, Daniel I. Simon, and Ron Waksman to discuss "hot" new information and insights in the field. In order to participate, you must register prior to the event. All details concerning this cyber meeting will be available on our site. All you have to do is go to <http://www.restenosis> and click on REGISTER. For more information please contact: info@cybersessions.com

May 13-16, 1999. Baden/Vienna, Austria. **Annual Meeting of the European Vascular Biology Association Endothelial Cell Activation: Inflammation and Angiogenesis.** Abstract submission until March 20th 1999 to: EVBA 1999, Prof. Dr. Bernd R. Binder, Department of Vascular Biology and Thrombosis Research, Schwarzpanierstr. 17, A-1090 Vienna, Austria or electronic submission to <http://www.VascBio.univie.ac.at/EVBA1999> Tel.:011-43-1 4277 62505 Fax.: 011-43-1 4277 9625

May 17-20, 1999. Barcelona, Spain. **The Fifth Saratoga International Conference on Atherosclerosis.** Contact: Dr. Akira Tanaka Tel: 011 81-3-5803-5224, Fax: 011 81-3-5684-203 email: numano.med3@med.tmd.ac.jp

May 24-26, 1999. San Diego, Ca. **Cardiovascular Disease and Stroke Quality of Care and Outcomes Research** Hyatt Regency La Jolla, San Diego, California Contact: www.americanheart.org

May 26 - 30 1999. Rhodes, Greece. **13th Congress of the European Chapter of the International Union of Angiology.** Contact: Prof Elias Bastounis, 1st Surgical Clinic, Laikon Hospital, 17 St Thomas Street, 115 27 Athens, Greece Tel: 011 30 1 7777507 Fax: 011 30 1 7774584

June 6 - 9, 1999. Washington DC. **Society for Vascular Surgery.** Contact: Society for Vascular Surgery, 13 Elm Street, Manchester, MA 01944, USA Tel: 508 526 8330 Fax: 508 526 7521

June 16-20, 1999 Big Sky, MT **Summer Bioengineering Conference.** Contact: <http://www.asme.org/divisions/bed/summer99.html>

June 24-25, 1999. Miyazaki, Japan. Japan 31th Atherosclerosis Meeting .Contact person: Dr. Sumiyoshi, A. Tel: 011 81-3-3455-4439 Fax:011 81-3-3798-72 email: spt@po.ijnet.or.jp

July 9-14, 1999. Boulder, Colorado. **Third Hypertension Summer School** University of Colorado at Boulder. Contact: <http://www.americanheart.org>

July 11-15, 1999. Saxton's River, VT. **Faseb Summer Conference on the Neural Mechanisms of Cardiovascular Regulation.** Contact and registration information <http://www.faseb.org/meetings>

July 18-22, 1999. Pecs Hungary. **10th International Congress Of Biorheology And 3rd International Conference On Clinical Hemorheology.** Contact: <http://business.matav.hu/uzlet/rheol99/>

August 14-21, 1999. Washington, DC. **XIVth International congress on thrombosis and haemostasis.** Contact: <http://www.isth99.com>

August 15-19, 1999. Salve Regina University in Newport, Rhode Island **Gordon Research Conference on "Angiogenesis and Microcirculation,"** Contact the Gordon Research Conferences, University of Rhode

Island, P.O. Box 984, West Kingston, RI, 02892-0984, Tel: 401-783-4011, fax: 401-783-7644, or visit the GRC website at GRC@GRCMAIL.GRC.URI.EDU.

August 18-22, 1999. Salt Lake City, UT. **AHA Scientific Conference on Molecular, Cellular and Integrated Approaches to the Failing Heart.** Contact: AHA conference coordinator, email sciconf@heart.org, or fax 2124 373 3406.

September 12-15, 1999. Boston, MA **.6th International Conference on Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation and Related Diseases.**Contact: Dr. Charles Serhan Center for Experimental Therapeutics and Reperfusion Injury.Brigham and Women's Hospital 75 Francis Street, Boston, MA 02115 email:cetri@zeus.bwh.harvard.edu Tel.: 617-732-8822 Fax: 617-278-6957 Internet: <http://zeus.bwh.harvard.edu/poster.htm>

September 12 - 16, 1999 Melbourne Australia. **XXIVth World Congress of the International Society for Cardiovascular Surgery.**Contact: International Society for Cardiovascular Surgery World Congress, 13 Elm Street, Manchester, MA 01944, USA

September 16-19, 1999. Paradise Wirrina Cove Resort, Adelaide, Australia. **7th Australian Vascular Biology Meeting.** Contact: <http://www.baker.edu.au/AVBS/meet99.html>

September 24-25, 1999. Maebashi, Gumma, Japan. **2nd JVBO meeting.** Contact: Chairperson Prof. Ryoza Nagai (2nd Dpt of Int Medicine, Gumma University Medical School) E-mail: tnakamura@sb.gumma-u.ac.jp

October 7-10, 1999. Bethesda, MD, **Concepts in Molecular Biology. American Society for Investigative Pathology.** Email: asip@pathol.faseb.org

October 28-31, 1999. Venice, Italy. 5th International symposium **"Multiple risk factors in cardiovascular disease: global assessment and intervention"**. Contact: MRF '99 Giovanni Lorenzini Medical Foundation. Houston. Tel 713 797 0401; Fax 713 796 8853

November 7-10, 1999. Atlanta GA, **72nd Scientific Sessions . American Heart Association.**

Contact: www.americanheart.org/sessions

November 18-22 1999. New Orleans LA . **Oxygen '99** Contact: The Oxygen Society, 74 New Montgomery Suite 230 San Fransisco, CA 94105-3411.

<http://www.mcw.edu/biophys/oxsoc/>

June 4-7, 2000. Stockholm, Sweden. **21st Conference on Microcirculation for the European Society of Microcirculation.** Contact:

<http://www.motivationservice.se/esm2000/>

March 9 - 11, 2000.The International Society for Applied Cardiovascular Biology (ISACB) 7th Biennial Meeting "Towards Biofunctional Cardiovascular Implants" Tucson, Arizona, USA For additional information contact: S.P. Schmidt, Falor Center for Vascular Studies, Summa Health System, 525 East Market Street , Akron, Ohio 44309 USA Tel: 330 375-3693. email: schmidt@brain.biomed.uakron.edu Or visit ISACB's web site at: www.neoucom.edu/isacb

April 12-15, 2000. Groningen, the Netherlands 9th International ANCA Workshop and Clinical Vasculitis Symposium. **Systemic Vasculitides and the role of ANCA in these diseases.**

Contact: Groningen University Hospital Centre for Postgraduate Education Ch. L. Brugman, Coordinator Hanzeplein 1, 9713 GZ Groningen The Netherlands

Telephone: 01131-50-3612745 Fax: 011 31-50-3611819

E-mail: Ch.Brugman@RVB.AZG.NL

September 5-9, 2000. Geneva, Switzerland **IVBM 2000: The XIth International Vascular Biology Meeting.** Scientific Committee: Goeran Bondjers, Alexander W. Clowes, Patrice Delafontaine, Daniel Hayoz, Thomas F. Luescher, Sei-itsu Murota, Rodolfo Paoletti, Michael S. Pepper and Giulio Gabbiani. Local Committee: Marie-Luce Bochaton-Piallat, Christine Chaponnier, Sophie Clement, Pascal Neuville and Myriam Vitali.

For more: <http://cmu.unige.ch/ivbm2000/> or email the Organizing Agency at:

Anne-lise@mcitravel.com

NAVBO MEMBERS:

Please send meeting announcements, web sites and other information to Newsletter Editor, Mary Gerritsen. Email: meg@gene.com

We are also continually in the process of updating the NAVBO web page. If you have links (e.g. to your institution or laboratory) that you would like included on the NAVBO web links page, please email that information to Mary Gerritsen at the email address at left.



NAVBO OFFICERS AND COUNCIL

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In support of NAVBO's efforts to promote vascular biology, in particular Vascular Biology '99, attendance at VB meetings by fellows and students, and funding for future International Vascular Biology Meetings held in North America.

International Vascular Biology Meeting 2004

Late Summer, 2004

Somewhere in North America!!!

Maybe your campus!!

The NAVBO Council is considering possible sites for IVBM 2004. If you are interested or would like more information please contact Gary Owens at gko@virginia.edu or Stephen Schwartz at steves@u.washington.edu

NAVBO MEMBERSHIP INFORMATION

Membership in NAVBO is growing! As of November 1, we have over 550 active members and a substantial number of members are trainees (which we encourage)! Now is the time to encourage your colleagues and trainees to join NAVBO and network with other members of the vascular biology community!

How do I apply for membership?

Complete the membership application form in this newsletter and return it, along with a check or authorization for credit card payment (Visa or Mastercard only) for your first year membership dues (\$45 Regular, \$25 Trainee, payable to NAVBO). There are two membership categories:

Regular Member: Those who hold an advanced degree (M.S., M.D., Ph.D) or who have professional experience in the field.

Trainee Member: Graduate students, residents, post-doctoral fellows, undergraduate students, technicians with interest or experience in vascular biology. Applicant must be sponsored by their academic supervisor, laboratory head or department chairman.

COPY THIS FORM AND GIVE IT TO YOUR COLLEAGUES!

NAVBO Application for Membership

Name: _____

Position: _____

Department: _____

Institution: _____

Street Address: _____

City: _____

State: _____

Zip: _____

Phone: _____

Fax: _____

Email: _____

Degree: MS__ PhD__ MD__ Other__

Trainee: Fellow/Resident Graduate Student

I hereby apply for (check appropriate box):

- Regular**
- Trainee*** membership in NAVBO.

Signature: _____

Submit this form and current curriculum vitae (*letter from supervisor/department head) along with a check payable to NAVBO (\$45 regular, \$25 Trainee) to:

NAVBO
9650 Rockville Pike
Bethesda, MD 20814-3993.

If paying by VISA or Master Card please include

Card number: _____

Expiration date: _____