I am delighted to have this opportunity to thank you for your support and bring you up to date on several things that are happening this year in NAVBO. At the outset, I simply point out that NAVBO is an ecumenical and eclectic organization that reflects the common interest we all have in vascular biology even though we come to it from diverse backgrounds. NAVBO is in its eighth year of existence, and in that period there have been three pathologists (Gimbrone, Schwartz, and Pober), three cardiologists (Nabel, Pober and Berk), one physiologist (Owens), one pharmacologist (Gerritsen) and one surgeon (me) holding the office of President. We value our differences and celebrate our similarities; we are fundamentally vascular biologists, and vascular biology by its nature is a field that bridges many, many boundaries.

I think of myself as a bridge between basic and applied vascular biology in the area of arterial injury and repair. Like many physicians, I find that my motivation to pursue a particular line of investigation comes from my clinical work. I am spurred by frustration with Mother Nature and her ability to ruin what I consider to be a very good vascular reconstruction! Stenosis and restenosis are the bane of my existence. I am sure that a number of you feel more or less the same way. Others are driven by unquenchable curiosity to understand a particular biological phenomenon and might not feel so strongly about the clinical relevance. However, when we get down to the molecular and genetic details of our work we find a broad common ground. For example, the molecular mechanisms of wall building in embryonic life are reactivated in the injured artery. Thus, it is vital that the clinician scientist taking care of the aged patient with coronary and peripheral vascular disease discuss mechanisms of smooth muscle activation with the zebra fish vascular geneticist, because good stuff will come out of that interaction! That’s what NAVBO is all about!

In this coming year, I will work with you to find ways to include more vascular oriented basic and clinician scientists in our meetings and to promote cross talk. Linda Demer and the NAVBO program committee have put together a NAVBO workshop on Friday, April 5, as part of the joint NAVBO/ATVB spring meeting in Salt Lake City that we hope will achieve this end. There will be sessions on stem cell biology, tissue engineering, and nuclear receptors. See page three of this Newsletter for the preliminary program and visit our web site for additional information.

In addition to the meeting mentioned above, NAVBO will be sponsoring the (Continued on page 2)
In 1975, he was appointed Instructor of Pathology at Harvard and became full Professor in 1985. During that interval of time, Dr. Gimbrone made seminal discoveries relating to human vascular endothelial cells in inflammation and atherosclerosis.

In 2003, NAVBO will hold its Annual Meeting with the ASIP at Experimental Biology—April 12-16, in San Diego. This meeting will feature the “meeting within a meeting” format, much like the Vascular Biology 99 Meeting in Washington, DC.

The XIIth International Vascular Biology Meeting will be held in Karuizawa, Japan, May 12-16, 2002. NAVBO plans to support four fellowships ($1,000 each) for travel to that meeting. For more information, go to the IVBM web site - http://square.umin.ac.jp/ivbm2002/.

MICHAEL A. GIMBRONE, JR. TO RECEIVE 2002 BENDITT AWARD

Joseph M. Miano

The NAVBO Meritorious Awards Committee has named Dr. Michael A. Gimbrone, Jr., Harvard Medical School, as the recipient of the 2002 Earl P. Benditt Research Career Award for his pioneering work on the pathobiology of endothelial cells in inflammation and atherosclerosis.

Dr. Gimbrone obtained his undergraduate degree in Zoology from Cornell University in 1965 and his MD degree from Harvard Medical School in 1970. The Buffalo native did a Research Fellowship in the Department of Surgery at Harvard, under the tutelage of Dr. Judah Folkman, NAVBO’s second Benditt Research Career Awardee, and subsequently went to the NIH as a Research Associate from 1972 to 1974. He then returned to Boston to pursue a highly productive Residency in Pathology during which he continued to work with Dr. Folkman and the late Dr. Ramzi Cotran, on such subjects as the cultivation and characterization of human vascular endothelial and smooth muscle cells (J. Cell Biol. 60:673-84, 1974; Lab Invest. 33:16-27, 1975).

I am very pleased to announce the results of the recent elections. Paul Dicorleto, Cleveland Clinic Research Institute is President-elect, and Michael Reidy, University of Washington, and Luisa Iruela-Arispe, University of California, Los Angeles, join the Council. In addition, David P. Hajjar has agreed to lead the NAVBO fundraising efforts as chair of the Development Committee and Dr. Iruela-Arispe has agreed to chair the Membership Committee. I thank departing Councilors, Guy Chisolm and Marlene Rabinovitch, former Development Committee Chair, Michael A. Gimbrone, Jr., and former Membership Committee Chair, Elizabeth G. Nabel, for their contributions to the success of the NAVBO program.

Thanks to Mary Gerritsen, Past-President, for her leadership and for organizing with Paul DiCorleto an excellent program in Washington, DC this past spring, and a special thanks to Bernadette Englert who keeps the whole show running and on track!
THIRD CONFERENCE ON ARTERIOSCLEROSIS, THROMBOSIS AND VASCULAR BIOLOGY

Co-Sponsors: NAVBO, NHLBI and the ATVB Council of the American Heart Association
April 5-8, 2002 – Grand American Hotel, Salt Lake City, UT

NAVBO WORKSHOP
FRIDAY, APRIL 5
Organizer: Linda L. Demer, UCLA

STEM CELLS - 9:00-11:00AM
Chair: Linda L. Demer, UCLA
Pluripotential Stem Cells from Adipose Tissue
Marc Hedrick, UCLA
Characterization and potential therapeutic uses of adult stem cells from bone marrow stroma
Darwin Prockop, Tulane University
Perivascular responses which may contribute to post-angioplasty restenosis: A role for circulating myofibroblast precursors?
Josiah N. Wilcox, Emory University
Clinical applications of human mesenchymal stem cells
Alan K. Smith, Osiris Therapeutics, Inc.

MEMBERSHIP BUSINESS MEETING - 11:00-11:30AM

TISSUE ENGINEERING - 1:00-3:00PM
Chair: Cecilia Giachelli, University of Washington
Tissue engineering approaches to myocardial infarct repair
Charles E. Murry, University of Washington
The use of mesenchymal stem cells in tissue engineered skeletal tissues.
Arnold Caplan, Case Western Reserve University
Bioactive ingrowth matrices for angiogenesis
Jeffrey Hubbell, ETH and University of Zurich

NUCLEAR RECEPTORS - 3:30-5:00PM
Chair: Peter Tontonoz, UCLA
Retinoid-Response genes in vascular smooth muscle
Joseph M. Miano, University of Rochester
Nuclear receptor signaling pathways in atherosclerosis
Peter Tontonoz, UCLA
PPARs in the endothelium
Jorge Plutzky, Harvard Medical School

REFRESHMENTS - 5:00-6:00PM
POSTER VIEWING - 5:00-6:00PM
POSTER DISCUSSION - 6:00-8:00PM
Highlights of posters to include five minute slide presentations

HIGHLIGHTS OF THE CONFERENCE
SATURDAY, APRIL 6

EARL P. BENDITT AWARD LECTURE
Understanding Vascular Endothelium: A Pilgrim’s Progress
Michael A. Gimbrone, Jr.
Brigham & Women’s Hospital

IRVINE H. PAGE ARTERIOSCLEROSIS RESEARCH AWARDS FOR YOUNG INVESTIGATORS

YOUNG INVESTIGATOR PRIZES IN THROMBOSIS

PLUS:
Plenaries, breakouts and Poster Sessions covering:
• Risk Factors of Coronary Artery Disease — Obesity/Diabetes
• Mechanisms of Atherosclerosis
• Lipids and Lipoprotein Metabolism
• Macrophage Biology
• Oxidants/Antioxidants
• Platelet Biology and Signaling
• Coagulation Factors and Control Mechanisms
• Fibrinogen Assembly and Fibrinolysis
• Thrombosis, Clinical and Laboratory
• Vascular Proliferation and Remodeling
• Angiogenesis, Vascular Development and Differentiation
• Cell-cell and Cell-matrix Interactions
• Leukocyte-Endothelial Interactions and Inflammation
• Vascular Cell Signaling and Gene Expression
• Functional Genomics, Proteomics, and Phenotypic Profiling
• Gene Therapy
• Nuclear Receptors
• Stem Cells
• Tissue Engineering

Important Announcement:
Call for Abstracts Deadline Extended!
December 28, 2001, 6:00 PM EST

To submit an abstract, please visit the NAVBO Web Site at http://www.navbo.org/meetings.htm and click on ATVB Conference

In recent years, he has turned his attention to the realm of genomics and expression profiling to define shear stress-responsive genes in endothelial cells (Proc. Natl. Acad. Sci. USA 93:10417-422, 1996; Proc. Natl. Acad. Sci. USA 98:4478-4485; 2001.). Indeed, he has been a major driving force for the application of genome tools to study vascular endothelial cells (Genome Res. 11:1603-1610, 2001).

Dr. Stephen Schwartz Recieves 2001 Benditt Award

H. William Schnaper

What do chip array, Lewis and Clark and grant triage have in common? They all meet in the fertile mind of Dr. Stephen Schwartz, recipient of the Earl P. Benditt Award for lifetime achievement in the field of vascular biology. Dr. Schwartz, recognized at the spring NAVBO/ATVB meeting in Arlington, Virginia in May, was an appropriate choice, not only because of his achievements, but also because his status as a trainee and then colleague of Dr. Benditt provides a direct link to the origins of vascular biology. His work has investigated the vascular response to injury, focusing on cell-cell junctions, endothelial cell replication and regeneration, smooth muscle cell response to injury, and additional elements of the pathogenesis of atherosclerosis. He is a co-founder of NAVBO.

Upon receiving the award, Dr. Schwartz presented a talk entitled “Frontiers of Vascular Biology: Lessons from Thomas Jefferson.” As described in the talk, Jefferson asked Congress for funding to support a major scientific undertaking—the exploration of the...
newly acquired Louisiana Territory by Lewis and Clark. The journey required several years and captured the popular imagination, but only limited funds were provided. Nonetheless, the expedition was meticulously planned and encyclopedic in its attention to scientific detail. As a result, a wealth of information was obtained.

Dr. Schwartz finds in these events a parallel with the new, and still incompletely explored, application of genomics to vascular biology. He sees the broad approach involved as a means for avoiding the pitfall of arbitrarily choosing one gene to pursue, potentially choosing a path that is relatively unimportant and, as an important corollary, missing the important information and wasting time and funds in the process. This latter approach he characterized as the “potshot” method. A second alternative approach is “discovery” research, the so-called “fishing expedition” in which everything is tried until something works. This avoids making the wrong choice, but also can be time-consuming. Either too narrow or too broad, Dr. Schwartz proposes that these approaches will be superseded by genomics, with appropriate analysis, because it will help us to focus intelligently and analyze a few, selected genes for their functional importance.

As to the confluence of topics listed at the beginning of this note, Dr. Schwartz described the expedition as the “first-ever program project grant.” Based on the hypothesized existence of a northwest passage to the Pacific Ocean, it proposed to (1) discover the passage; (2) map the territories; (3) create a lexicon of native languages; (4) identify commercial products; and (5) identify fertile land for farming. Thomas Jefferson and Albert Gallatin were co-PIs. Lewis and Clark were the post-docs, and Sacajawea was the technician. If proposed today, it probably would not be funded based on the diffuse nature of the aims and a lack of preliminary data. In any event, the grant was not renewed (perhaps because of a failure to prove the hypothesis). The results for the participants should resonate with present-day grantees. The PI did well, being re-elected for a second term as president. The post-docs fared less well, with the scientist Lewis eventually committing suicide and Clark never achieving his goal of being promoted to the rank of captain. And, true to form, private entrepreneurs eventually made billions of dollars following up on the government’s investment.

NIH Grant Information of Interest to the VB Community

A variety of requests for applications (RFAs) have been released by the NHLBI this year. These proposals often have set-asides of funding for areas felt to be of importance to the NIH/NHLBI portfolio but are presently under funded. To learn more, visit the current website listing of RFAs that have been published by the NHLBI at http://www.nhlbi.nih.gov/funding/units/index.htm.

As described in the last issue of the NAVBO Newsletter, the NIH is seeking to define new boundaries for the various Institutional Review Groups (IRGs). A “Boundary Panel” recently met in Bethesda to begin considering what is appropriately within the Cardiovascular purview. The CSR just came out with the preliminary recommendations of this panel. Those wishing to read the report can go to the web site: http://www.csr.nih.gov/PSBR/Cvs/CvsIntro.htm

There is an opportunity to comment at this web site, with a deadline of February 28 for comments from the public. This issue is vital to the vascular biology community; initially some areas that might be considered relevant to vascular biology were included under the aegis of Hematology. Thus, it is important to monitor the progress of these deliberations and, when the opportunity presents itself, provide comment regarding the boundaries that are proposed. All NAVBO members are urged to read the proposals and respond.
TORONTO WELCOMES YOU

Situated on the edge of a vibrant Harbour-front, Toronto is the education capital of Canada and is a city alive with culture and entertainment. It has grown from being the financial center of Canada to a city globally recognized in the world of business. One of the largest publicly funded Academic Health Science Centers in the world is housed at the University of Toronto and its affiliated teaching hospitals and research institutes.

Toronto offers a rich blend of ideas, art and cuisine. You will want to explore the unique cafes and eclectic shops along the streets of its many multicultural neighborhoods. The Science Centre, the Royal Ontario Museum and the Art Gallery of Ontario offer excellent exhibits including activities for children. It is also the home to one of the world's largest live theatre scenes.

Toronto is also full of natural beauty. Early summer is a wonderful time to be in Toronto. Take a leisurely stroll through one of its lavish public gardens or a brisk walk along the lake. Visit the world-renowned Metro Zoo or take a boat trip across to Toronto Island from the hotel. It is that kind of diversity that makes Toronto an ideal place to hold an international meeting.

The XIII International Vascular Biology Meeting will be held in Toronto, Ontario, Canada, June 1st to June 5th, 2004 at the Harbor Castle Westin Hotel. The conference will be held entirely within this hotel which will maximize scientific interaction. The hotel is located in the downtown core on the shores of Lake Ontario and caters to families and children.

The Scientific Organizing Committee will be putting the program together with advice from our Scientific Advisory Board. We plan to have a program that will encourage fruitful discussions and exchange of ideas. We will have a keynote address, plenary sessions, workshops and poster sessions. There will also be a social program for attendees and their guests in and around Toronto. We will also offer numerous competitive travel awards for students and trainees.

The International Vascular Biology Meetings have become a leading venue for the presentation and discussion of new findings and the development of collaborations among the vascular biologists and clinicians attending. The meeting in Toronto will continue this tradition. Together with NAVBO and our other organizing societies, we will plan for dynamic scientific and social interactions in our beautiful city of Toronto.

Scientific Organizing Committee Members:
Avrum Gotlieb (Chair)
Lowell Langille (Co-Chair)
Julie Campbell
Peter Carmeliet
Myron Cybulsky
Paul DiCorleto
Peter Liu
Avrum I. Gotlieb

Sei-itsu Murota
Elizabeth Nabel
Ryozo Nagai
Andras Nagy
Marlene Rabinovitch
Stephen Schwartz
Duncan Stewart
Yoshio Yazaki
NAVBO acknowledges the generous contributions from the following organizations:

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ROCHE
INSTITUT DE RECHERCHES INTERNATIONALES SERVIER
UWEB - UNIVERSITY OF WASHINGTON
ENGINEERING OF BIOMATERIALS
VEC TECHNOLOGIES, INC.

In support of NAVBO’s efforts to promote vascular biology, in particular the Third Conference on Arteriosclerosis, Thrombosis and Vascular Biology (VB2002), attendance at VB meetings by fellows and students, and funding for future International Vascular Biology Meetings held in North America.

OF NOTE

Jeffrey Isner Dies

Dr. Jeffrey Isner, of St. Elizabeth’s Medical Center, Brighton, MA, died suddenly of a heart attack on October 31; he was 53. Dr. Isner created the nationally acclaimed Cardiovascular Research Program at St. Elizabeth’s and is best known for his pioneering work in gene therapy for the treatment heart disease.

Dr. Isner was inspired by Dr. Judah Folkman, whose groundbreaking work discovered proteins such as vascular endothelial growth factor, that promote the growth of blood vessels. Where Dr. Folkman sought to block these factors in cancer patients and starve their tumors of a blood supply, Dr. Isner thought of using them the opposite way for heart patients. He sought to stimulate blood vessel growth. Most of these patients were too sick for bypass surgery and Isner’s therapy gave them a second chance.

His death is a great loss to our community; where he was recognized as one of the most creative minds in the emerging field of gene therapy.

Travel Awards to IVBM

As is the tradition, NAVBO will once again sponsor travel awards (referred to as fellowships by the IVBM). This time with a little help from our friends.

Institut de Recherches Internationales Servier has agreed to generously support two of the $1,000 awards. Candidates must be NAVBO trainee members; application for membership can coincide with the award application. The deadline for receipt of applications is January 15, 2002. Awardee selection will be based on abstracts. Applications will be evaluated by the NAVBO Awards Committee and selected awardees will be announced by March 15, 2002.

Servier, although very generous and supportive of NAVBO’s young investigator awards, is not the only “friends” supporting these travel awards. Many NAVBO members have generously contributed and I am happy to report there are so many of you, I don’t have enough room to list all of you. Many thanks!
POSTDOCTORAL POSITION IN ANGIogenesis
University of California, Irvine

A postdoctoral position is available to study the genetic regulation of angiogenesis. A major emphasis will be on the analysis of newly identified genes and their importance in new vessel formation. Currently we are investigating the role of notch genes in endothelial cell tube formation, and specifically the importance of a notch target gene, the bHLH transcription factor HESR1/HEY-1/HRT-1. Candidates must have experience in mammalian tissue culture and a strong training in molecular biology, and ideally would have a background in vascular biology and/or development biology. Applicant must be legally entitled to work in US at time of hiring. Salary: from $28,536 p.a., depending on experience.

UC Irvine, the fastest growing UC campus, is situated between Los Angeles and San Diego with easy access to mountains, desert and ocean.

Please send CV, a summary of research interests and the names and phone numbers of three references to:
Christopher C.W. Hughes, Ph.D
Department of Molecular Biology and Biochemistry
University of California, Irvine
Irvine, CA 92697-3900
Fax (949) 824 8551
E-mail: cchughes@uci.edu
Website: http://darwin.bio.uci.edu/~cchughes/

POSTDOCTORAL POSITION IN VASCULAR IMMUNOBIOLOGY
University of California, Irvine

A postdoctoral position is available to study the role of human endothelium in antigen presentation. In particular we are interested in T cell evasion of immunosuppression in transplant settings. Candidates must have experience in mammalian tissue culture and a solid training in molecular biology, and ideally would have a background in vascular biology and/or immunology. Experience with mouse models would also be an asset. Applicant must be legally entitled to work in US at time of hiring. Salary: from $28,536 p.a., depending on experience.

Please send CV, a summary of research interests and the names and phone numbers of three references to:
Christopher C.W. Hughes, Ph.D
Department of Molecular Biology and Biochemistry
University of California, Irvine
Irvine, CA 92697-3900
Fax (949) 824 8551
E-mail: cchughes@uci.edu
Website: http://darwin.bio.uci.edu/~cchughes/

POSTDOCTORAL POSITIONS
Available Vascular Biology and Inflammation
Our laboratory at Weill Medical College of Cornell University is a leading research group studying leukocyte-endothelial cell interactions in inflammation. Funded postdoctoral positions are currently available in our group. Ongoing projects include studies of:
· Signal transduction pathways of cell adhesion molecules
· Membrane trafficking in endothelial cells
· Genetic (knockout and transgenic mouse) strategies for studying inflammation in vivo
· Developing in vitro and in vivo models of arthritis and atherosclerosis
· How cytokines affect the early events in the development of arthritis and atherosclerosis
· Novel molecules involved in the inflammatory response

We take a multidisciplinary approach to the study of inflammation using techniques of immunology, cell and molecular biology, biochemistry, and genetics. We collaborate extensively with other investigators at Weill Medical College as well as at the neighboring Rockefeller University and Memorial Sloan-Kettering Cancer Center. Fellows travel to national and international meetings to present their own work.

Weill Medical College is located at York Avenue and 69th Street in one of the nicest and safest sections of New York City. Please send C.V. and names and contact numbers of three references to:
William A. Muller, MD, PhD
Professor
Department of Pathology and
Graduate Program of Immunology
Weill Medical College
1300 York Avenue
New York, NY 10021
Fax: (212) 746-6991; email: wamuller@med.cornell.edu
POST DOCTORAL FELLOWSHIP

A position reserved for foreign postdoctoral fellow (1 year) will be open. The candidate should be less than 40 year-old and have an excellent scientific background. The scientific project is based on: "Blood cell adhesion molecule involvement in blood cell vessel wall interaction" and particularly focused on red blood cell adhesion molecules. A technical experience of flow chamber system, image analysis techniques are required. The candidate should send a full curriculum vitae, with qualifications and positions held and a list of publications. The applicants should send their files 3 months (European Union) or 5 months (non EU) before recruitment. The salary will depend on the candidate's CV.

Correspondence to Pr JL Wautier
Institut National de la Transfusion Sanguine
6 rue Alexandre Cabanel
75739 Paris cedex 15
Phone: 33 (1) 44 49 30 35
Fax: 33 (1) 43 06 04 83
Email: wautier@ints.fr

POSTDOCTORAL AND RESEARCH ASSISTANT POSITIONS

Positions for one postdoctoral and one research assistant are available on a NIH-funded project to investigate the changes in coronary and peripheral microvascular reactivity and permeability which occurs as a consequence of cardiopulmonary bypass and cardioplegia in a porcine model. We aim to identify the respective cellular and molecular mechanisms responsible for vascular dysfunction using in vitro techniques of isolated microvessels (50-150 mm) and cell/molecular biology approaches (immunoblotting, immunofluorescence, cDNA microarray, and proteomics).

Please forward a recent "Curriculum Vitae" to:
Frank W. Sellke, MD
Professor of Surgery at Harvard Medical School
Chief, Division of Cardiothoracic Surgery/ Department of Surgery
Beth Israel Deaconess Medical Center
110, Francis Street LMOB suite 2A
Boston, MA 02215
Fax: (617) 632 83 87

POST-DOCTORAL POSITION AVAILABLE

Division of Cardiology and
Department of Biomedical Engineering
Emory University School of Medicine
Our laboratory is interested in factors that enable remodeling of blood vessels, especially in relation to the pathology of atherosclerosis and restenosis. Our main focus is the regulation and function of vascular matrix metalloproteinases (MMPs). We use a variety of in vitro and in vivo approaches that employ biochemical, molecular biology, and morphological techniques to study cultured vascular cells and genetically modified animal models of cardiovascular disease. We have a very interactive and friendly scientific environment in a very exciting location (Atlanta has been the number one move-in city in the USA for the past five years!) We offer excellent benefits. Salary is based on experience and qualifications. We are looking for motivated individuals, experience in vascular cell research or with the experimental approaches we use is a plus.

Please send inquiries along with a CV by mail, fax, or e-mail, to:
Zorina Galis, Ph.D.,
Emory Cardiology,
1639 Pierce Dr., WMB #319,
Atlanta, GA 30322, USA.
Fax: (404) 727-3106
E-mail: zgalis@emory.edu

POSTDOCTORAL FELLOWSHIPS

Vascular Cell and Molecular Biology

Two NIH-funded postdoctoral positions are available in downtown Boston for individuals interested in studying the effect of cell stressors on vascular smooth muscle cell proliferation. One project investigates the mechanism of enhanced mitogenesis in SMC infected with Chlamydia pneumoniae. The second focuses on the mechanisms by which hypoxia directly stimulates SMC proliferation. Research techniques used for these studies include transfection of cultured vascular smooth muscle cells with plasmid vectors, adenoviral transfer of genes, promoter activity assays, western blotting, immunofluorescence microscopy, and cell proliferation assays. Ph.D. or M.D. degree is required. Experience in vascular and/or molecular biology is desirable.

Please send C.V. and summary of research interests to:
Debbie Beasley, Ph.D.
Tufts University School of Medicine
New England Medical Center
Box 172
750 Washington St.
Boston, MA 02111
Phone: 617-636-8248
FAX: 617-636-1355
E-mail: DBeasley@Lifespan.org

POSTDOCTORAL POSITIONS

Dimera, Inc., a woman-owned biotech company offering exciting discoveries, plus drugs in development and testing, has open postdoctoral positions. Primate coronary (Continued on page 10)
artery drug development is the theme. Training includes digital live cell microscopy, with calcium and protein kinase C dynamic quantification, and Doppler-enhanced cardiac catheterization. Salaries are above NIH guidelines, enhanced by a success bonus system to acknowledge outstanding contributions. Our small company rewards hard-working scientists who have the determination to achieve excellence. If you are motivated by progress on life-saving new drugs, excellent training, opportunity, satisfaction of accomplishment, and the location, Dimera is an attractive option. Annual stipends range from $30,000 to $44,412 depending on previous experience.

Inquiries and resumes to:
Dimera, Inc.
Human Resources Manager
2525 NW Lovejoy, #311
Portland, OR 97210
Fax: 503 295-5757
Email: dam@dimera.net

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**CALENDAR OF SCIENTIFIC MEETINGS**

**January 14-18, 2002.** Best Western University Tower Hotel, Seattle, WA. UWEB (University of Washington Engineered Biomaterials) presents the Sixth UWEB Industry Symposium and Biomaterials Intensive Short Course, at the Best Western University Tower Hotel, Seattle, WA.

Tel: 206-616-9716, Fax: 206-616-9763, Email: info@uweb.engr.washington.edu, Web: www.uweb.engr.washington.edu


**February 27 – March 2, 2002.** St. Gallen, Switzerland. **International Society for Applied Cardiovascular Biology 8th Biennial Meeting.** Jeffrey Hubbell, Ph.D., from Zurich is the local organizer for this meeting. Contact: Terri Rojas, Conference Organizer, ISACB Biennial Meeting Administrative Offices, 19 North Street, Salem, MA, 01970 USA, Tel: 978 745-8331, Fax: 978 745-8334, terri@bostonbased.com, or Steven P. Schmidt, Ph.D., ISACB Secretary-Treasurer at SchmidtS@summa-health.org.

**April 5, 2002.** Salt Lake City, Utah. **NAVBO Workshop—Stem Cells, Tissue Engineering and Nuclear Receptors.** Contact the NAVBO office for information: Tel: 301-515-5592, Email: bernadette@navbo.org

**April 5-8, 2002.** Salt Lake City, Utah. **Third Conference on Arteriosclerosis, Thrombosis and Vascular Biology.** Co-sponsored by NAVBO, AHA Council on ATVB and NHLBI. Contact the NAVBO office for information: Tel: 301-515-5592, Email: bernadette@navbo.org

**April 20-25, 2002.** New Orleans, LA. **American Society for Investigative Pathology at Experimental Biology 2002.** NAVBO will be co-sponsoring several sessions at this meeting. Contact: Tara Zeitner, Tel: (301) 530-7130 or tztein- ner@pathol.faseb.org

**April 21, 2002.** New Orleans. **Blood Vessel Club at Experimental Biology.** Sponsored by NAVBO. Contact NAVBO office.

**May 12-16, 2002.** Karuizawa, Japan. **XIIth International Vascular Biology Meeting.** Contact: http://square.umin.ac.jp/ivbm2002/

**June 1-5, 2004.** Toronto, Ontario, Canada. **XIIIth International Vascular Biology Meeting.** Contact: Sandra Leith - Fax: (416) 971-2200 or Email: s.leith@utoronto.ca
Application for NAVBO 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 ($55 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: ______________________

Contact Information
for the above members
is listed on our web site:

www.navbo.org/governance.htm