PRESIDENT'S MESSAGE

In the first newsletter of 1999, I examined the Society's status from a broad perspective: past, present, and future. In this second newsletter of the year I think it is appropriate to consider the status of Society activities from a closer position and consider the accomplishments and activities for this year.

The annual meeting in 1999 was held in one of the world's true centers of learning: University of Cambridge. This venue provided a fascinating and beautiful backdrop for what was an outstanding scientific program developed by Phil Scott, Jennifer Blackwell, and Bruce Zwilling. The scientific theme was leukocyte anti-microbial function and included, in slide and poster formats, an array of established and young investigators who represent the leading edge of work on this important topic. Phil Scott has provided a summary of the most exciting new findings which were presented and Ida Chow includes some photographic perspective in the following pages. Plans for our next annual meeting, scheduled for October 5-8 of 2000 in Cambridge, Mass, will continue with the theme of leukocytes as mediators of innate immune function. The preliminary program, which is also provided in this issue, is being organized by Charlie Janeway and promises to be one of the most exciting meetings on this timely topic. Sharon Wahl (our president-elect) is also planning a special event celebrating the 45th anniversary of the establishment of the Society.

As you are all aware, the realm of scientific publication is, like many aspects of our modern society, undergoing dramatic change as the electronic revolution continues. In an effort to participate in this revolution in publishing, the Journal of Leukocyte Biology has, under the direction of our Editor-in-Chief Jo Oppenheim, undertaken a number of new features. The most prominent of these has been the establishment of an on-line electronic version of JLB. This has been available for nearly 18 months with open access to all interested scientists and is, I think, an unqualified success. It is our intention to maintain the electronic version as an open site in order to further the communication of new developments in leukocyte biology to the widest possible audience. As you may also be aware, due to increased manuscript submissions, the number of pages which we publish each year has expanded by nearly 15%. In 2000 we plan to initiate electronic manuscript submission and review which will markedly speed the time required for peer review and reduce the time from submission to publication. All of these changes are, of course, accompanied by increased costs. Indeed, though we have for many years benefited from the income associated with publication of the Journal, we now face the reality where publication expense exceeds income. For this reason, and of course to maintain the position which the Journal of Leukocyte Biology holds in the immunologic community, we have decided to introduce page charges for publication of unsolicited articles. The fee will be $30.00 per published page (well below the standard rates charged by many other journals with comparable scientific impact). The income from this new charge will not generate profit and indeed may not fully cover the current expenses.

The Society of Leukocyte Biology has maintained, for the last decade, a central administrative office which is housed on the FASEB campus in Bethesda. Because FASEB provides a number of services (membership, financial and journal publication) this location is very effective. The management of our annual meeting is now in the capable hands of our Executive Manager Ida Chow and this has been, in fact, a financially sound decision. Ida also supervises our fund raising activities associated with the annual meeting and serves as a liaison between the officers and society council and the services provided by FASEB. The function of this administrative office is a valuable asset and we have come to depend upon the array of services provided. As with the Journal, such services are not without cost. Our membership dues, at $35.00 per year, actually cover less than 1/3rd of our annual General Administrative budget (the majority of the costs are provided by income from our investments). At the council meeting in Cambridge, we made the decision to increase Society dues to help meet the differences. Beginning in 1999, our dues (including the subscription to JLB) will be increased to $92.00 per year for North American Members and $140.00 for other full members. This resolution was approved subsequently by the membership at the Annual Business Meeting.

Overall, as we move into the next century and millennium, the Society for Leukocyte Biology is sound both financially and scientifically. It has been a special honor for me to serve this organization in a variety of capacities including the last year as President and I would like to thank not only the membership at large but the many individuals with whom I've had the pleasure to work. In the coming years I will look forward to seeing continued Society growth and development.

Thomas Hamilton, Ph.D.
Hamiltt@cesmtp.ccf.org
SLB 15th International Congress

Overview of the scientific sessions

Contributed by Phil Scott, Scientific Program Chair

The Society for Leukocyte Biology held its 15th International Congress in conjunction with the European Macrophage Study Group at Churchill College in Cambridge, UK, from September 22nd to the 26th. The theme for this meeting was the innate immune response and how it influences the development of adaptive immunity. Dr. John Moore gave an exciting keynote address on the molecules HIV uses to enter cells, and how they may be excellent targets for antiviral therapies and neutralizing antibodies. This was followed by four plenary sessions given over four days, as well as six symposia and two poster sessions.

The first plenary session was a great start for the meeting with speakers (Drs. D. Fearon, L. Lanier, J. Oppenheim, S.H.E. Kaufmann, D. Mosser and N. Reiner) covering new insights into the role that complement, FeRs and defensins play in initiating and controlling the host response, identification of molecules that regulate NK cells, and a discussion of how pathogens can thwart the immune response. Expanding on this theme in the second plenary session, the speakers (Drs. G. Trinchieri, C. Biron, A. Sher, L. Romani, G. Lartmeongkolchai and P. Scott) provided examples of how pathogens such as LCMV, MCV, Candida, Toxoplasma and Leishmania, induce innate immune responses, and the consequences for subsequent immunity. It was clear that there are central themes associated with the innate immune response to pathogens, one of which was the role that IL-12 may or may not play in the early immune response. Thus, it was appropriate that the first speaker, Dr. Trinchieri, provided an up-to-date overview of what is known about how IL-12 functions both during the innate and adaptive immune response. One of the messages from this session was how diverse these interactions are, and that both the pathogen and the host contribute to this diversity. The issue of host diversity was pursued in the third plenary session where the topic was the genetics of the innate and adaptive immune response. Speakers included Drs A.A. Scalzo, D. Farrar, S. Holgate, R. Coffman, T. Shirakawa and A. McKenzie. This session began with a discussion of the genetics of natural resistance to mouse cytomegalovirus, and then progressed into a series of talks that revolved around the genetics of Th1 and Th2 development and regulation in infectious diseases and asthma. Finally, in the last day the debate on the functions of NRAMP1 continued with a plenary session that included Drs. P. Gros, B.S. Zwilling, C.H. Barton, R. Bellamy, and J. Blackwell.

While the plenary sessions provided the core of the meeting, equally exciting concurrent symposia that included NK cells and Innate Immunity, Acute Phase Responses, Macrophage Cytokines and Adaptive Immunity, Neutrophils, and Regional Immune Responses were presented. Other highlights included a very successful Young Investigator Award competition, where students presented their own work. The presentations were outstanding, making judging so difficult that two students from Christine Biron's laboratory, G.C. Pien and K.B. Nguyen, were selected as the winners. Finally, Dr. Margaret Kripke received the Bonanzinga Award, and presented her work in a lecture entitled, "Immunologic consequences of sunlight exposure."

It was a full four days, with plenty of scientific topics covered, but still time to visit the other Colleges of Cambridge--as well as the pubs.

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Numbers

Eighty-four Americans attended as well as 148 foreign nationals including: from England 34 people, Germany 20, Japan 13, Sweden 11, Canada 9, Switzerland 9, The Netherlands 8, Australia 5, Colombia 5, France 4, Italy 4, Portugal 4, Austria 3, Ireland 3, Scotland 3, Norway 2, Taiwan 2, Turkey 2, Wales 2, West Africa 2, Belgium 1 Korea 1 and South Africa 1.

and Awards

Ken Nguyen and Gary Pien tied for first place for the Presidential Student Award. Their abstracts were entitled, respectively, "STAT1/4 NK cell regulation during viral infections" and "Compartmental regulation of NK cell responses during viral infections." Dr. Christine Biron mentored both winners at Brown University. Douglas Faunce won second place for his abstract entitled, "MIP-2 mediated recruitment of NKT cells is required for systemic tolerance induced via the eye." Dr. Faunce conducted his research under Dr. Joan Stein-Streilein at Schepens Eye Institute of Harvard University.

Dr. Margaret Kripke of the University of Texas M.D. Anderson Cancer Center won the Bonanzinga Award for life-long contribution to the understanding of the biology of leukocytes and host defense mechanisms.

Dr. William Walker of St. Jude Children's Research Hospital and Dr. Bruce Zwilling of Ohio State University were selected Honorary Life Members of the Society for Leukocyte Biology at this year's conference.

Congratulations to all the above award winners and also to Dr. Debra Laskin of Rutgers University and Dr. Michael Brunda of Hoffmann-La Roche Inc. each received the Dolph Adams Awards, Laskin et al. for their original research article "Production of nitric oxide and peroxynitrite in the lung during acute endotoxemia" and Brunda for his review article "Interleukin-12." A more detailed write-up about this will appear in a future editorial by Dr. Joost Oppenheimer in an upcoming issue of Journal of Leukocyte Biology.
President Tom Hamilton holds up gavel.

Treasurer Donna Paulnock.

First place winners of the Presidential Student Award, Gary Pien (far right) and Ken Nguyen (middle right), accept their plaques from Joan Stein-Streilein and Tom Hamilton.

Minglers at the Bonazinga Award Reception.

Doug Faunce accepts the second place Presidential Student Award presented by Joan Stein-Streilein.

Jo Oppenheim, Editor-in-Chief of *Journal of Leukocyte Biology* (left), and Wayne Streilein (right) enjoying a good chat.

Left to right: Martin Olivier, Philippe Gros and Miodrag Belosevic relax at the buttery.

Left to right: President Tom Hamilton, Past-President Joan Stein-Streilein, honorary lifetime member and Past-President Bruce Zwilling.

Margaret Kripke accepts the Bonazinga Award presented by Joan Stein-Streilein.
Dear Society of Leukocyte Biology Community,

In anticipation of the 45th Anniversary of the Society of Leukocyte Biology, which will occur in 2000, we are asking that all present and past members of the Society search through their own archives for SLB memorabilia. Any old photos, documents or other SLB-related treasures would be greatly appreciated as we record our history for this memorable occasion. Please forward such treasures, clearly labeled as to what they represent, your name, and whether or not you want the originals returned to you to Ida Chow at the Society for Leukocyte Biology national office in Bethesda. Plan to join in the celebration of the 45th Anniversary at the SLB Meeting in Cambridge, Massachusetts in October 2000. The preliminary program is now posted and updates will appear on SLB Website (http://www.bioscience.ohio-state.edu/~slb).

Thank you on behalf of the SLB.

Sharon M. Wahl, PhD
SLB President-elect

e-mail: smwahl@dir.nider.nih.gov

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**SLB Welcomes its Newest Members**

Tatsuya Akai - Shimane Med. Univ., Japan
Evp. Bartova (Musilova) - Inst. of Biophys. Acad. of Sci. of Czech Republic
Ineke Bos - Central Lab. of Blood Transfusion Serv., The Netherlands
Samuele Burastero - San Raffaele Scientific Inst., Italy
Junchao Cai - Univ. of Wisconsin-Madison
Christina Celluzzi - American Red Cross
Christina Clark - Janssen Res. Fndn.
Joan Cook-Mills - Univ. of Cincinnati
Salvatore Cuzzocrea - Univ. of Messina, Italy
Dennis Davidson - Schneider Children's Hosp.
Lesley Eales-Reynolds - Univ. of Surrey Sch. of Biol. Sci., England
Marie Ferrero - Inst. of Gen. Pathol., Italy
Ginevieve Forget - Univ. of Laval, Canada
Joseph Francis - Cedarville Col.
Lucy Gildea - Univ. of Cincinnati Col. of Med.
G. Maria Hansch - Univ. of Heidelberg, Germany
Kee Ching Jeng - Taichung Vet. Gen. Hosp., Taiwan
Andis Klergeris - Univ. of British Columbia, Canada
Toby Lawrence - St. Bartholomew's & Royal Sch. of Med., England
Claire Lewis - Univ. of Sheffield Med. Sch., England
Dragutin Loncar - Loma Linda Univ Children's Hosp.
Ryan Martins - Virginia Tech
Alexei Miagkov - Johns Hopkins Sch. of Med.
Sussan Mournshargh - Imperial Col. of Sci. Technol. & Med., England
Brian Nolan - Univ. of Massachusetts
M. John Novak - Univ. of Pittsburgh Sch. of Dent. Med.
Ghislain Opendakker - Univ. of Leuven, Belgium
Jean Pfaa - Inst. Heart Inst. of Montana
Bernard Pipy - INSERM-IF31, France
Mark Podberezkin - Children's Hosp.-Los Angeles
Khwaja Aftab Rasid - Rush Cancer Inst.
Patrick Reading - Univ. of Oxford, England
James Rush - Univ. of Sydney
Scott Smith - Univ. of Louisville
Grace Song - Brown Univ. Sch. of Med.
Andreas Spitterle - Univ. of Vienna, Austria
Fuminori Tanabe - Yamanashi col. of Nursing, Japan
Jessica Teeing - Central La. Of Blood Transfusion Serv., The Netherlands
Masaru Terai - Chiba Univ. Sch. of Med., Japan
Katrien Van Beneden - Univ. Hosp.-Univ. of Ghent
Robert Vassallo - Mayo Fndn.

**SLB Business Meeting Report**

The annual SLB business meeting was held at Churchill College, on Sept. 23, 1999, 5 PM.

President Tom Hamilton gave a report of this year's activities, including the success of the online version of the *Journal of Leukocyte Biology*. He also outlined the financial status of the Society, and explained the increased costs to support all the activities the society has (see details in President's Message in this issue). President Hamilton then requested approval for the Council's decision to increase the full membership dues by $12.00, so that the 2000 rate would be $92 for North Americans and $140 for the rest of the world, including *JLB* online and printed versions. Short discussion followed and the members present approved the increase. Tom Hamilton also announced the meetings for years 2000, in Cambridge, MA, 2001, in Maui, together with the International Cytokine Society, and 2002, in Vienna with ICS and the International Society for Interferon and Cytokine Research.

Joost Oppenheim, *JLB* Editor-in-Chief, reported on the Journal's activities and statistics, both in print and online. There has been an increase in the number and the quality of submitted manuscripts, and a rejection rate of about 60%. The number of printed pages also increased by about 15%. The online version of the journal has seen an increase in the number of readers, reaching about 150,000 hits per month. He also announced the winners of 1999 Dolph Adams awards (most cited papers for years 1994-98): original research article prize was given to Theresa M. Wizemann et al.'s paper entitled "Production of NO and peroxynitrite in the lung during acute endotoxemia" *JLB* 56: 759-768, 1994; most cited review article was Michael Brundt's "Interleukin-12" *JLB* 55: 280-288, 1994.

Before closing the meeting, President Hamilton invited all present to attend the meeting next year in Cambridge, MA and to help celebrate the Society's 45th anniversary.
ANNOUNCEMENTS

NSF’s Alan T. Waterman Award Nomination Date Extended to: Postmarked by December 31, 1999.
Packet and information may be found at: http://www.nsf.gov/cgi-bin/getpub?nsf99134

Meetings and Conferences


FASEB 2000 Summer Conferences:
- Viral Assembly
- Nucleic Acid Enzymes: Structures, Mechanisms and Novel Applications
- Lymphocytes and Antibodies
- Lung Surfactant: Cellular and Molecular Biology
- Signal Transduction on the Immune System
- Molecular Biophysics of Cellular Membranes
- Protein Folding and Assembly in the Cell
- Intestinal Lipid Absorption, Metabolism and Transport
- Cytokines and Lipid Mediators in Regulation of Cell Function
- Mechanisms in Plant Development
- Perinatal Regulation of the Cardiovascular System
- Amyloid and other Abnormal Protein Assembly
- Neural Immune Interactions in Development and Disease: Pathways to Therapy
- Retinoids
- Receptors and Signal Transduction
- Calcium and Cell Function
- Post-transcriptional Control of Gene Expression: Interactions at the Interface of RNA Decay and Translation
- Protein Phosphatases
- Retinal Neurobiology and Visual Processing
- Lipid Modifications of Proteins
- Microbial Polysaccharides of Medical, Agricultural and Industrial Importance
- Intracellular RNA Sorting Transport and Localization
- Transcriptional Regulation During Cell Growth, Differentiation and Development
- The Tetraspanins Superfamily
- Phospholipases
- The Ras Superfamily of Small GTP Binding Proteins
- Smooth Muscle
- Mechanisms of Liver Growth and Differentiation in Health and Disease
- Folic Acid, Vitamin B12 and One Carbon Metabolism
- Microbial Pathogenesis: Mechanisms of Infectious Diseases
- Yeast Chromosome Structure

To receive preliminary conference schedules and the application form (available late Feb. 2000) contact:
FASEB Summer Research Conferences Office
9650 Rockville Pike Bethesda, MD 20814-3998
FAX 301-571-0650
E-mail: jlafrank@faseb.org or ahewitt@faseb.org
www.faseb.org/meetings/src


SLB 2000 Meeting: 34th Annual Meeting -- October 5-8, 2000 at the Royal Sonesta Hotel, Cambridge, Massachusetts, U.S.A.

SLB 2001 Meeting: Society for Leukocyte Biology and International Cytokine Society Joint meeting -- November 8-12, 2001 at the Outrigger Wailea Resort, Maui, Hawaii, U.S.A.


For updates regarding SLB’s annual meetings visit www.biosci.ohio-state.edu/~slb/.

Postdoctoral Fellowship Positions

I have several positions available in my laboratory for postdoctoral fellows. The main focus of my laboratory has been CD14, the macrophage receptor for lipopolysaccharide (endotoxin). We are studying the role of CD14 in inflammation using a variety of different models as well as its possible role in other disease processes using a CD14-deficient mouse model which we developed. In addition, we are using these mice as well as various double-knockout and transgenic/knockout mice to analyze CD14-independent responses to infectious agents and the various components which mediate responses to these components. In these studies we have identified two new CD14-independent pathways related to the response to LPS and are in the process of characterizing the cells and receptors which mediate these responses at the molecular level. CD14-deficient mice are also being used to elucidate additional functions for CD14. Another project in my laboratory is the study of mechanisms that regulate the host’s ability to clear bacteria; this project was initiated when we found that CD14-deficient mice clear bacteria more efficiently than normal mice.

My laboratory is in the Division of Molecular Medicine, New York University School of Medicine, at the North Shore University Hospital branch on Long Island. I am looking for individuals who have a M.D. or Ph.D. and some research experience, preferably in biochemistry/molecular biology and/or cellular immunology. Anyone interested in such a position in my laboratory should send his/her curriculum vitae and two letters of recommendation to the address listed below.

Sanna M. Goyert, Ph.D.
Associate Professor of Medicine and Pathology
New York University School of Medicine;
Director of Laboratory of Molecular Hematology,
North Shore University Hospital
350 Community Dr.
Manhasset, New York 11030

Tel: 516-562-1115
Fax: 516-562-2866
Email: sammag@aol.com
2000 MEMBERSHIP APPLICATION

Mail application and dues to:
Society for Leukocyte Biology
9650 Rockville Pike • Rm L 2412
Bethesda, MD 20814-3998 U.S.A.
Questions? CALL 1-800-433-2732, ext. 5703 FAX 301-571-5704

Last Name
                  First Name/Initial                  Degree(s)

Department

Institution

Address

City

State

Country

Zip Code

Telephone #

Fax #

Email

PRESENT POSITION:

EDUCATION AND ACADEMIC DEGREES (include year and institution):

PROFESSIONAL EXPERIENCE (include list of published papers):

APPLICANT’S SIGNATURE

DATE

SPONSOR’S STATEMENT: I support this candidate for membership in the Society.
If you do not have an SLB member sponsor, complete all other sections of the application and send with the appropriate dues. The Membership Committee will review and process all qualifying applicants.

SPONSOR’S SIGNATURE

DATE

SPONSOR’S NAME (Please Print)

PLEASE CIRCLE BELOW YOUR AREA(S) OF RESEARCH:

| 1 Cytokines and Chemotactin Receptors | 11 Hematopoietic Cell Growth and Differentiation | 21 Immunopathologic Mechanisms |
| 2 Lipid Mediators and Their Receptors | 12 TH1, TH2, NK and Other Lymphoid Cell Subsets | 22 Onco genesis |
| 3 Signal Transduction and Kinasas | 13 Antigen Processing and Presentation | 23 Neuroimmunology |
| 4 Signal Transduction and Lipid Messengers | 14 Cell-Cell Interactions in the Immune Response | 24 Immune Deficiencies |
| 5 Regulation of Gene Expression | 15 Neutrophil Activation | 25 Autoimmune Diseases |
| 6 Leukocyte-Endothelial Interactions | 16 Macrophage Activation | 26 Immunomodulators |
| 7 Cell-Matrix Interactions | 17 Lymphocyte Activation | 27 Immunopharmacology |
| 8 Chemotactic Responses | 18 Host-Microbe Interactions | 28 Experimental Therapies |
| 9 Genetics Determinants of Host Resistance | 19 Host-Tumor Interactions | 29 Lymphoid Mediated Angiogenesis |
| 10 Lymphoid Cell Growth and Differentiation | 20 Host-HIV Interactions | 30 Immunotherapy |

CHECK ONE:
- FULL MEMBERSHIP applicants should have a doctorate degree and provide evidence of scientific achievement.
- STUDENT MEMBERSHIP applications are welcome from anyone whose qualifications and interests have been demonstrated by experience.

Name of Department Chair or Advisor required for status confirmation.

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Society for Leukocyte Biology

34th Annual Meeting

INTERACTIONS OF INNATE AND ACQUIRED IMMUNITY

October 5-8, 2000
Royal Sonesta Hotel, Cambridge, MA

Preliminary Program

Program Chairs
Charles Janeway and Joan Stein-Streilein

Plenary Sessions
Innate immune recognition: Its evolution and its consequences
Antimicrobial peptides
Shared effector systems between innate and adaptive immunity
The evolution of adaptive immunity

Concurrent Symposia
Neutrophils
Chemokines
Dendritic cells
Innate immune regulation of autoimmunity

NK cells
Toll receptors
NK T cells
Macrophages

Keynote Address
Bonazinga Award Lecture

Poster Sessions and Workshops on Selected Posters

Society for Leukocyte Biology 45th Anniversary Celebration

Award Competitions for SLB Members
Young Investigator Award – junior faculty
Presidential Student Awards – graduate students and recent postdocs
Student Travel Awards

For program update please visit SLB Website:
http://www.biosci.ohio-state.edu/~slb

For “Call for Abstracts/Registration” packet please contact SLB office:
9650 Rockville Pike, Bethesda, MD 20814-3998. FAX: (301) 571-5704.
Email: slb@faseb.org. SLB members will receive packets in January.
REMINDER

If your email address has changed, submit your new one with your year 2000 renewal or write it below and mail to the SLB office.

Name________________________________________

New email address_____________________________________