



President's Message

Bob Clark, President

Throughout the spring, the rapid pace and excitement that I highlighted in my March 2017 iSLB piece have continued. Much of the activity has focused on selecting a new publisher for the JLB, which took place through an extraordinarily comprehensive process – indeed, one of the most thorough and satisfying vetting activities in which I have participated. Many hard-working folks deserve our gratitude for their contributions to the success of this initiative, including especially Jennifer Holland, Luis Montaner and the JLB staff, Lou Justement for the Publications Committee, the SLB Executive Committee and Council, our outside consultants from KWF, and numerous others. The final selection of Wiley as our JLB publisher is great news for SLB, as this global company with a focus on academic publishing has remarkable resources and a well-deserved reputation for excellence. Please read about additional details elsewhere in this issue of iSLB.

SLB continues to thrive in terms of finances, and this very favorable outlook will only get stronger with implementation of the Wiley publishing contract. Indeed, the impact will be sweeping enough that an Advancement Task Force has been established as a working group to advise on how best to deploy our additional funds, so as to optimize the return on investment. The focus is on benefits to members, society programs, and the journal, as well as enhancement of our long-term financial security. More to follow on this major new initiative.

SLB membership continues to grow impressively. Indeed, projections are that we will reach the 1000-member milestone later this year – kudos to the Membership Committee as they pursue even further innovative strategies. And essentially all of our committees have been active and effective, each in their area of responsibility.

Looking ahead just a few short months, the 2017 meeting in Vancouver – the 50th scientific meeting of the Society – promises to be very exciting, both scientifically and socially. Liwu Li and Lionel Ivashkiv have organized an extraordinary program around the theme of “Leukocyte Memory: Health and Disease.” A unique aspect of the meeting will be a 50th anniversary celebration session, featuring historical information about SLB and its predecessor, The Reticuloendothelial Society. iSLB junior editors Katherine Martin and Irina Miralda are gathering materials, especially member input, on leukocyte biology research over the years. Long-time SLB members Peter Ward, Joe Oppenheim, and Mary Dinauer will share their perspectives on the history and evolution of the Society.

In addition to great science and evocative historical recollections, the 50th Anniversary Harbor Cruise promises to be a very enjoyable and memorable event. If you haven't already done so, be sure to purchase your cruise tickets on the SLB website. The Awards Committee, under the leadership of President-Elect Lee-Ann Allen, is reviewing the strong nominations for our named awards, as well as our larger-than-ever travel award program for young investigators. Congratulations to our 2017 Honorary Lifetime Member inductees, Stephanie Vogel and Al Jesaitis, both major contributors to SLB and the leukocyte biology field over the years.

Plans for the 2018 meeting are also progressing very well, with David Underhill and Darren Lee organizing the scientific program. A combined meeting with the International Endotoxin and Innate Immunity Society, the conference will take place at the Sheraton Grand at Wild Horse Pass, Chandler, Arizona. The dates are October 14 to 16, 2018. The Bonazinga Award keynote speaker will be long-time SLB luminary Mary Dinauer.

Hope to see you soon in Vancouver!

Look inside for more >



Message from the Editors

by Vijaya Iragavarapu-Charyulu and Amanda Brown



Hello everyone! Welcome to the Summer 2017 issue of the iSLB newsletter. We are excited that the next Annual Meeting of the Society for Leukocyte Biology will be held in beautiful Vancouver. This our 50th Anniversary meeting and it is only 4 months away! I hope that all of you marked your calendars and are registering to attend. So we hope that you submitted your abstracts and are ready to showcase your research! Don't forget that with the annual meeting comes the advantage of applying for the [2017 SLB Awards](#). We listed some of the Awards that SLB provides in this issue, so please take the opportunities and make sure you attend.

Several features in this issue of i-SLB merit your attention. You will find that our President, Dr. Robert Clark, highlighted some of the sessions of the meeting. An interesting read in this issue is Bill Nauseef's reflective article on 50th Anniversary of SLB. The interviews and the news of the 2017 by the Members in Transition and Training Group (MTTG) is a must read. Please take a peek at the pictures and the summary article from the 2017 AAI meeting. As these are changing times in terms of allocated funds for research by the government, take a look at Capitol Hill Day Report by Dan Remick.

The SLB Women & Diversity Committee (WD), which was formed in 2010, host interactive educational sessions that engage discussion around issues related to the advancement of under-represented groups in science. WD will be hosting a session entitled, "Managing Up, Down, and Across: Obtaining the Resources You Need. If you are interested in attending and participating in this early morning session, please sign up when you register. If you'd like to be considered to serve as a panelist, please send a note of interest to Jen Holland at jholland@leukocytebiology.org.

We expect that this year's annual meeting will be a great one, and so if you have not yet made your reservations for a hotel in Vancouver, please do so soon. Thanks to Jennifer Holland in helping with this newsletter. Please take a moment of your time and enjoy reading this informative newsletter.



Junior Editors' Note

by Stephania Libreros, Katherine Martin and Irina Miralda



With the 50th Annual Meeting of The Society for Leukocyte Biology fast approaching, we thought it would be a good idea to highlight some of the interesting events and opportunities highlighted for students and post doctoral fellows. The SLB is really invested in supporting the career of its junior member and in line with this goal, we have included interesting sessions aimed for trainees. First, the extremely popular "poster flash talks" are returning for another year! This dynamic session allows junior members to present their work in a short presentation format (5 minutes). In addition, it gives junior members the opportunity to serve as co-chairs, giving them first-hand experience in chairing sessions at international meetings. The flash talks will be organized into various topic sessions and if you ask us, is not to be missed. The Members in Transition and Training Group (MTTG) have been working long and hard to plan a fantastic session entitled, "High Throughput Technologies-Perspectives and Insights". This luncheon will provide a great opportunity to hear about cutting edge technologies, research developments and many networking opportunities. Preregister for this session and make sure you say hello to your friendly MTTG representatives to hear about all the exciting things they have planned over the next year. The Professional Development committee will be hosting the workshop breakfast on Career counselling guidance and job interview. This session will provide a great opportunity for junior members to know how to prepare for an academic or industrial job interview.

Additionally, we would like to remind members to send us any cherished memories and photos from their time in SLB as we continue to put together a presentation for the Society's 50th Anniversary Celebration. Our plan is to create a presentation that will allow members to revel in the SLB's rich history, document the growth of the society, observe how it has played a pivotal role in advancing leukocyte research, and attempt to forecast its future directions. Those interested in contributing to the presentation

Development of Tissue- and Pathogen-specific Cellular Innate Immunity

International Symposium
September 27 – 29, 2017
Freiburg, Germany

can fill out a [quick survey](#) or send photos, videos or any other relevant materials to Jen Holland. Help us properly celebrate an impressive milestone in the society's history.

As junior editors, we encourage all junior members to submit their abstracts and apply for the Presidential and Travel Awards. In addition, there is a unique opportunity to be behind the scenes of the meeting and become the official photographer. These photographs will be used for the SLB website and meeting highlights for the iSLB newsletter. This unique role gives the opportunity to network with speakers and SLB members, so email Jennifer Holland if you are interested in becoming our photographer.

WILEY

SLB Partners with Wiley for the *Journal of Leukocyte Biology*

The leadership of the society and journal are excited to announce to the membership that, after an exhaustive and very thorough process, SLB has decided to partner with Wiley for the production of the *Journal of Leukocyte Biology*.

This effort was led by a dedicated team including our Editor-in-Chief, Luis Montaner, President, Bob Clark, President elect, Lee-Ann Allen, Councilor and Publication Committee Liaison, Lou Justement, and many others. Their efforts focused on seeking the most qualified publisher to help JLB advance to the next level of success. It was gratifying to learn that SLB was considered to be a very attractive partner by a number of major publishers, thanks to the strong and effective efforts of JLB and SLB management, as well as broad-based support from the membership of the Society.

Throughout the selection process, Wiley's reputation and ability to market niche publications such as ours was well recognized and presented. Wiley will expand our ability to engage scientists in the field and attract high-quality research articles. Other efforts will include coordinating multi-title clusters, revamping our website, expanding our global reach, providing access to greater analytics for each published article, and ensuring that our science is disseminated to the largest possible audience.

In addition to further establishing JLB as a leader in the field, Wiley's marketing and outreach are expected to increase the Society's revenue stream. In expectation of these added resources, we have created the "SLB

Advancement Task Force." That Task Force will report to Council this fall with ideas for investing these added resources to ensure a secure and bright future for the Society, the membership, and the Journal.

The editorial team and business office will continue to work together to ensure a smooth transition to our new publisher. The first official Wiley-published issue will be in January 2018. SLB and JLB exist to support our members. This is a very exciting time for JLB and SLB and we are pleased to share this news with you, our members.

Some of the benefits to members include complimentary online JLB subscriptions, continued membership discounted page charges, and enhanced annual meeting access to our publisher and programs they offer. All of this is in addition to the new benefits the Advancement Task Force is planning to bring to the membership.

We'd like to take a moment to thank the publishing team at FASEB. For decades, FASEB publication services have effectively and professionally assisted SLB in self-publishing our journal. We thank FASEB for their efforts and appreciate that they brought JLB to its current level, making it a compelling partner for a prominent publisher such as Wiley.

We [welcome your feedback](#) and questions about this new partnership and encourage you to attend the 50th Anniversary meeting in Vancouver to meet our new partners and learn more!

FASEB Capitol Hill Day 2017

by Daniel Remick, M.D.

On March 9, 2017 scientists from across the country gathered in Washington D.C. to participate in the Federation of American Societies for Experimental Biology (FASEB) Capitol Hill day. The purpose of the day was to advocate for federal funding for research, which includes the National Institutes of Health, National Science Foundation, Centers for Disease Control and other agencies.

Participants met with congressional staff from the offices of our Representatives and Senators. During these meetings we emphasized the importance of research funding that drives scientific discoveries by sharing individual stories. We also emphasized how these scientific advances improve the care of patients and health of the nation. Information was provided about the positive economic impact of NIH and NSF funding for each state and congressional district.

Our specific request was to have research funded to the

HELP WANTED

Professional Development Committee seeks a new chair

After an extend tenure, Julian G. Cambroner is moving onto other adventures in SLB. The Professional Development Committee seeks a new chair to lead the group in several projects and bring their own new ideas. Take this opportunity to get involved more with the SLB community and make a difference! [Email today](#) to express your interest in helping lead the direction of this important committee for the society.

HELP WANTED

Membership Committee looking for a trainee level member to join

Along with SLB's efforts to involve more junior members on Council (new Associate Councilor position), in the newsletter (iSLB Jr. Editors), and via committee work (MTTG), the SLB Membership Committee, led by chair Cynthia Leifer, is seeking a trainee level member to join their committee and effect change in expanding member benefits and other committee activities. If you are interested in joining, email today and get involved!

HELP WANTED

MTTG seeks a new co-chair

By the very nature of this group, our chairs are bound to move onto other adventures as they advance in their careers. MTTG seeks a new co-chair as Juhi Bagaitkar progresses in her career. Consider joining this innovative group in exploring bringing greater opportunity and value to SLB's more junior member. [Email today](#) to participate in poster flash talk session planning and abstract selection, annual review of awards for SLB supported GRC events and more!

Capitol Hill Day, continued

full amount in the 2017 budget. Since the federal government currently operates under a continuing resolution, NIH has been withholding 10% from grants until the budget has been finalized.

When meeting with the Massachusetts representatives, all strongly supported research funding. However, they were also pessimistic given the current political climate in Washington DC, even though there is strong bipartisan support for research.

This pessimism was justified when the White House released the first version of their budget, which calls for cutting the NIH budget by \$5.8 billion, or 18%.



Ming Ming Ning, Derek Scholes, Shoumita Dasgupta, Congressman Joe Kennedy, Laura Coleman and Hanno Steen

Ice Cream SLB Pizza N Pubs Report

By Sherry Fleming

This spring the Kansas State University (KSU) Infection and Immunity journal club focused on research in progress. There were 20 different individuals involved over the course of the semester from 5 departments at KSU and the USDA Animal health research facility located in Manhattan. We had talks that focused on mucosal immunity and vaccine development in cows, we had a presentation on pathogenic mechanisms of *Candida albicans*, we had presentations on mycobacterial infections and activation of the lung immune systems in cows, we had 4 students do presentations on various aspects of the Analysis of immunoglobulin gene segments; including the heavy and light chain gene usage and the bioinformatics behind the analyses, we had a presentation on the gene regulation *Clostridium difficile* toxin production and a presentation on the structural features of complement inhibitor molecules important for host protection during complement activation. The pizza was always a popular item at our meetings and we included ice cream from KSU's famous Call Hall Dairy Bar at one of our meetings.



Reflections on Society for Leukocyte Biology

by Bill Nauseef

My time on the SLB Council began in 2002 as Treasurer but my most intense engagement with SLB and its Council occurred during my terms as president (2010 and 2011) and president-elect (2008-2009, with Matthew Fenton as president), the period which prompts the comments that follow. At the outset it is important to underscore that SLB was experiencing significant changes in its administrative infrastructure during this period. For many years, Debbie Weinstein, operating as a solo contractor, served as the Executive Director for SLB, providing outstanding guidance with remarkable energy and innovation. However, Debbie eventually opted to pursue new challenges elsewhere, leaving SLB in search of a replacement. To meet its new need for administrative support, SLB engaged the services of the FASEB family, with executive leadership provided first by Cliff Brownstein, followed by John Lord, and then Jen Holland. Debated with vigor at the time, the decision to associate with FASEB proved to be an excellent one, as evidenced by Jen Holland's superbly effective, yet characteristically unobtrusive, presence in every aspect of SLB's current operation.

This period of SLB's history also included a change in the Editor-in-Chief of *Journal of Leukocyte Biology* from Joe Oppenheim to Luis Montaner. All of us on Council dreaded the challenge of finding someone to fill Joe's position, as it seemed an impossible task. He had directed *JLB* from 1995 to 2008 with extraordinary skill and vision, enriching the quality and expanding the spectrum of science published in the *Journal* and thereby invigorating SLB. With Amy Hutter-Imming as Managing Editor, Joe had held *JLB* to high standards and great expectations, mixed with heavy doses of care and love. Remarkably, we found in Luis someone with the same passion and dedication to *JLB* that characterized Joe's approach, and those attributes continue to fuel the sustained improvements and innovations in *JLB* that we witness today under Luis's leadership, with Amy still serving as Managing Editor.

With the backdrop for my comments set, I need now to introduce the relevant dramatis personae. My colleagues on Council during that period included Lee-Ann Allen, Chris Carp, Rachel Caspi, Marty Cathcart, Mary Dinauer, Liz Kovacs, Matthew Fenton, Sanna Goyert, Luis Montaner, Phil Murphy, Joe Oppenheim, Mike Smith, Andrea Tenner, and Moira Whyte, all of whom were enthusiastic supporters of my ambitious agenda, which required far more work from them than they likely envisioned when they opted to join Council. The overriding goal for my term as president was simple to summarize: to expand opportunities for SLB members to participate directly in the workings of

the Society. This goal was predicated on my firm belief that engagement of the membership would invigorate and enrich the society. To test my hypothesis that an inclusive organization with full engagement of the membership makes for an informative and enjoyable experience for all, we established several Specific Aims, which included both revision of existing activities and creation of new ventures.

We transformed the SLB newsletter into an electronic product (iSLB). I served as Editor of iSLB from 2008 until January 2010, when I happily handed off to Silvia Uriarte, then a member of the Publications Committee, who volunteered to assume the responsibility. During Silvia's tenure as Editor, iSLB blossomed. Silvia enlisted more junior members of SLB to join her on the editorial staff, a brilliant embodiment of the principle of enthusiastic inclusion and an innovation that catalyzed maturation of the publication. The current issue of iSLB (issue #1 of 2017) illustrates how informative and professional iSLB is and, just as importantly, how the inclusion of both senior and junior editors diversifies the content and improves the quality of the message.

Because I felt that many of the standing committees in SLB were operating at very low levels, we elected to revise the committee structure, eliminating some, revising others, and establishing new task forces. As part of this initiative, I sent an email in July 2009 to all SLB members inviting them to express interest in joining one or more of the activities. In addition, I added to each committee/task force a Council member to act as a liaison. The response of the membership to the opportunity to participate was extraordinary, and the results of the newly revised or created committees impressive and long-lasting. In response to the expressed interest of individual volunteers, we continue to add new members to the committees.

The Membership Task Force (Andrei Medvedev, Chair; Michelle Swanson, Council liaison) succeeded to articulate with clarity many of the reasons one would want to join SLB and to augment incentives for members to attend our annual meeting. For example, travel awards to students were increased (in fact, we allocated \$60,000 for the Lisbon meeting) and, starting with the 2010 meeting, extended to include junior faculty as well as students. On a slightly smaller, albeit more sustained and nutritious scale, we initiated Pizza and Pubs (an idea of Luis Montaner) as a way to promote good fellowship and membership in SLB and have supported eight journal clubs in this fashion. The newly formed Website Task Force (Miki Rahat, Chair; Mike Smith, Council Liaison) "fixed" what the membership reported as a broken website, launching a new site in December 2009, which includes a "suggestion box" to facilitate constant reexamination and conversation with the membership on how SLB can serve their needs. The

Early Career Investigator Award to Speak in SLB Symposium at ALAI/SMI Meeting 2018

SLB is pleased to host a Guest Symposium at The Latin-American Association of Immunology (ALAI) and the Mexican Society for Immunology (SMI) in Cancun, Mexico (May 14th-18th, 2018). Lou Justement and Michael Schnoor will organize this session in which SLB members that are early career investigators will be invited to speak from applications received.

These individuals should hold the rank of Assistant or Associate Professor. A total of four individuals will be selected to present their work in a session entitled “Society for Leukocyte Biology: Emerging topics in immune cell trafficking”. The intent is to showcase early career investigators who are members of SLB. This will provide these early career investigators with an excellent opportunity to speak in a major symposium at an international meeting. Additionally, of the selected speakers, one will be chosen to co-chair this SLB session. This benefits the investigators by allowing them to list their talk as an invited, oral presentation at an international meeting, and it strengthens ties between SLB and the Latin-American immunology community.

Consider applying by the July 31st, 2017 deadline and see the website for more details.

Reflections on SLB, continued

Publications Committee (Nick Lucas, Chair; Mary Dinauer, Council Liaison) was greatly expanded because of what was an unexpectedly exuberant response to my solicitation for volunteers. The ratio of volunteers to positions needed to be filled was 11:1! In order to be inclusive without simultaneously creating a committee too large to be functional, I divided the volunteers into four groups, each of which had different dates for joining the committee and durations of service. The newly created Task Force for Women and Diversity (Julia Kzhyshkowska, Chair; Rachel Caspi, Council Liaison) was a success from its initiation and has subsequently evolved into a very active group throughout the year and is especially prominent at annual meetings. Likewise, the new Task Force on Professional Development (Julian Gomez-Cambronero, Chair; Moira Whyte, Council Liaison) very quickly took on a life of its own, in large part because of Julian’s spirited and enthusiastic embrace of the opportunity. In *iSLB* (#1, 2017), Julian describes his reflections on the committee. The initial symposium on grant writing, conceived and organized by Julian, attracted the interests of those outside of SLB and prompted an editor for *Nature Immunology* to invite us to report on the event and its contents content (*Nature Immunology* 13: 105, 2012).

In addition to changes in committee structure, we revised features of the SLB award program. We revised the Dolph O. Adams Award, previously selected based on citations of a *JLB* paper, to recognize the scientific excellence of a junior or mid-career investigator working in the area of cellular and molecular mechanisms of host defense and inflammation. In addition, we added to the recognition brought by the G. Jeanette Thorbecke Award the opportunity for the winner, a female junior investigator early in her career, to deliver

a scientific presentation at a plenary session of the annual meeting. With these particular changes, the newly created “paper of the year award” by the Task Force for Women and Diversity, and the well-established Bonazinga prize, SLB now has an award system that recognizes excellence at several stages in the maturation of a scientist’s career.

SLB has frequently partnered with other societies in holding our annual scientific meeting, a tradition that we maintained during my tenure as president. With the same spirit of interaction with like-minded scientists, we initiated an informal partnership with colleagues in the European phagocyte community, in particular those who frequent the Phagocyte Workshop at the European Society for Clinical Investigation. Working with Attila Moscai and the phagocyte google group, we continue to promote on our website the Phagocyte Workshop as well as many other meetings and conferences.

Of course, not all our efforts were as visible as those summarized above. On a more mundane level, we revised the *SLB Handbook*, finished thankfully by Jen Holland. Although editing a handbook represents relatively dull thrashing, the final product provides both guidelines for policy decisions and an historical record of the society.

Today SLB enjoys a strong membership base and financial stability, and I think that the future of SLB is promising but not guaranteed. Sustained growth of SLB relies on the continued support of its membership. Michele Swanson once commented that SLB was a cottage society, a term that she chose to describe accurately the tight-knit, caring and supportive community embodied in our membership. Many members feel that networking with colleagues ranks as one

of the greatest assets of SLB membership, and for many members who joined as students or postdoctoral scholars, SLB represents their first professional home base. For our society to remain vibrant and special, members who are currently students, postdocs and young faculty need to be loyal to their scientific roots and to maintain their active participation in the society as they mature into more seasoned and experienced investigators. Once they become established investigators, they must continue to cultivate our culture and enlist a fresh cadre of nascent scientists to join SLB in order to maintain a rich, diverse, and engaged society. In addition, we rely on active membership, including participation in committees, council, newsletter and other SLB initiatives.

All in all, my time serving on Council, and especially during my presidency, proved a terrific experience. I met many individuals whose path I would not have crossed otherwise but whom I now consider colleagues. Most gratifying to me, however, is the sustained growth and excellence that have occurred since leaving Council, thereby proving true my hypothesis that engagement by members makes a society strong and vibrant.

JLB Citations and Impact Factor

By Luis Montaner, JLB Editor in Chief

The 2016 Impact Factor (IF) is out and JLB landed at 4.018 for the year. A big thank you to all of our authors for their impactful science, our editors for their dedication to rigorous but fair peer review, and our readers who read and cited our publication helping to disseminate the research we publish in JLB. Our journal thrives thanks to all of you and I count on you to continue your contribution to JLB's success.

With the release of the new IFs, a short primer on how the numbers get calculated may be timely: Impact Factor is calculated by dividing the number of citations in the year by the total number of articles published in the two previous years. For example, the 2016 IF (that came out in June 2017) summarizes world-wide content that was cited in 2016 from content that was published in 2015 and 2016. Therefore, if you are citing content from 2016 or 2017 this month on a manuscript you are to submit now and publish in late 2017 or 2018, you will be contributing to the 2017 IF or the 2018 IF depending if the article publishes in 2017 or 2018, respectively.



SLB Sponsored Phagocyte GRS Awardee

By Maksim Baranov

I have been interested to attend a Gordon Research conference (GRC) since the very beginning of my PhD at the department of Tumor Immunology at the Radboud Institute of Molecular Life Sciences (RIMLS) in the Netherlands. At the end of my third year of PhD I discovered the key adapter protein – SWAP70 – responsible for the specific tethering, stabilization and organization of the actin cytoskeleton on newly formed phagosomes containing microbial pathogens or tumor cells. Gordon Research seminar and conference on Phagocytes in Waterville Valley, NH in June'10-16 2017 offered a perfect opportunity to showcase my new discovery. I was honored to be selected for a 20 minute oral presentation at the Gordon Research seminar. It was an amazing experience to be able to share my story with a broad audience of researchers with a strong interest in phagocytosis like myself.

I established amazing friendships and connections during the conference. I really enjoyed being involved in discussions triggered by the great presentations and I always had many questions to ask. Some of the most amazing unpublished work was shared during the conference. Through the several remarkable talks I learned about newly discovered tunneling nanotubes – a type of contact that macrophages form to communicate with other cells and this route can be either hijacked by the pathogens or used in hematopoietic stem cell transplantation for cells to share “healthy” organelles with the genetically “sick” cells. Amazing discoveries were made explaining how neutrophils use ESCRT at the nuclear envelope to form the exosomes with pre-formed machinery for a chemokine LTB4 release. Some of the spectacular in vitro and in vivo life imaging demonstrated the phases of neutrophil swarming behavior.

GRC on Phagocytes was one of the first conferences where I could feel that all the attendees were united by a collective feeling of belonging to one family. The amazing experience I had would hardly be possible without my SLB membership, and the fantastic travel award opportunity for the participation in the 2017 Phagocytes Gordon Research Seminar!



SLB Archives “SLB 50th Anniversary”

*Original interview Spring 2003 “Highlights”
By Professor Beng Samuelsson, Nobel Prize in
Medicine 1982*

Graduate students and post-docs are strongly encouraged to depart from the area of research of their mentors. I noticed that you shared the Nobel Prize with your mentor, Dr. Sune Bergstrom. Would you encourage mentorship of post-docs and students to maintain research efforts in the same area for longer periods of time?

I think training and mentorship should be for relatively short periods of time — three or four years, or so. That way, you get exposed to many new ideas, new problems, new techniques, new milieus, which I think play a very important role in the development of a scientist. In my own case, I did work on my thesis with Dr. Bergstrom for three/four years. And, then I collaborated with him on the prostaglandin structures for about two years. But, then I went abroad for a postdoc at Harvard. And, that was a very, very important year for me because I suddenly got exposed to completely new things, organic chemistry and mechanistic organic chemistry. I think that played a very important role for me when I returned and started my own laboratory on the mechanism of prostaglandin biosynthesis. The experience at Harvard was crucial in approaching it in the way I did; it played a very important role in shaping the rest of my career and the approach of the problems. I think you should not stay too long in any one place. You need to move around and see other things.

In today’s research, many investigators/researchers no longer have to take trips to their university library to view the literature, but instead do swift literature search via their desktop computers and retrieve almost all of the published literature by command of keystroke. This is a very convenient development in our communication between biomedical scientists. Would you still advocate paper libraries and sending graduate students, as well as senior researchers to the library on a regular basis with a chance of unexpected findings of relevant literature?

There is no doubt that a literature search via computer is very productive and everybody is using that a lot. But, I still go to the library, or I have my own subscriptions to some journals, which I sort of like to look through. Of course, you can look through the table of contents of everything. But, journals like Science, Nature, PNAS, New England Journal of Medicine, or so — I always have paper copies of and look at them. You always find unexpected things.

Do you have any advice for graduate students, fellows, and junior faculty?

Try to get involved in the most exciting research you can think of. Go for something very exciting. And also, usually, in biomedical research, go for structure and function. And try to apply the best tools. And don’t try to solve problems that are not at the time approachable. Put realistic goals. I think that’s very important. Of course, you can work on something that is very esoteric, but you’ll never get there. Then you can work on very trivial things. You’ll always get the results, but they may not be very exciting. So, try to find an exciting problem that is researchable and usually try to look for structure and function. And, work long-term.



2017 Lifetime honorary member, Al Jesaitis

The focus of Jesaitis’ research efforts for almost 50 years has been on integral membrane proteins involved in cellular responses to activating stimuli. These studies began with his thesis work on the examination of photopigment orientation in the *Phycomyces blakesleeanus* blue light response. They continued in his post doctoral identification of plasma membrane cytochrome 558 in *Avena coleoptiles* and *Phycomyces sporangiophores* as well as inter, intra, transmembrane subunit distance and dynamics measurements of the Na⁺K⁺ ATPase and Band III Anion Exchanger. Transferring these interests to the study of chemoattractant activation of human PMN superoxide generation was a natural transition and remained his interest for the last 3 plus decades. These studies examined the structure/function relationships of the N-formyl peptide receptor and of flavocytochrome b559. For their patience and guidance through this scientific journey, Jesaitis is most grateful to his mentors over the years: Max Delbrück, Rainer Hertel, Winslow Briggs, George Fortes, Juan Yguerabide, and Charlie Cochrane. And of course without the contribution of his many scientific coworkers and students, the journey would never have continued. Al is now retired, but when he’s not skiing, hiking, or fishing, he still enjoys tinkering with loose scientific ends in his lab at Montana State University. [Department of Microbiology and Immunology webpage:](#)



2017 Lifetime honorary member, Stefanie N. Vogel

Dr. Stefanie N. Vogel obtained her Ph.D. from the University of Maryland, College Park in 1977, did a post-doctoral fellowship at the NIH from 1977 to 1980, began her academic career as an assistant professor at Uniformed Services University in 1980, and moved to her current faculty position at the University of Maryland, School of Medicine in 2002. Starting with her post-doctoral work, Dr. Vogel has focused on the analysis of the fundamental mechanisms by which macrophage differentiation facilitates or restricts infectious agents or tumor growth. Her laboratory has made seminal contributions to the area of immunology that we now call “innate immunity,” and specifically, the mechanisms by which Toll-like receptor (TLR) signaling is regulated. She has characterized many of the fundamental mechanisms by which TLR agonists, such as Gram negative lipopolysaccharide (LPS), cytokines, and interferons regulate macrophage functions. Moreover, Dr. Vogel’s laboratory has used a model of “endotoxin tolerance” to study the regulation of such signaling pathways. The creative use of genetic, molecular, and biochemical approaches, combined with unique animal models of infection, has led to their most recent, highly translational work, resulting in novel therapeutic approaches for influenza and respiratory syncytial virus (RSV), development of small molecule TLR antagonists based on the structural interactions of innate signaling molecules, and prototype vaccines for RSV and the biothreat agent, *Francisella tularensis*.

Dr. Vogel has published ~300 peer-reviewed publications plus ~50 invited works, has mentored 36 post-doctoral fellows and 11 graduate students, and has directed a T32 training grant entitled “Signaling Pathways in Innate Immunity.” She has had continuous NIH funding for 35 years, including an “NIH Merit Award,” in addition to other sources of grant support. In addition to her Honorary Lifetime Membership Award from the Society of Leukocyte Biology, Dr. Vogel has been honored by the Society of Leukocyte Biology previously with the Bonazinga Award, the International Cytokine and Interferon Society with the Milstein Award, the International Endotoxin and Innate Immunity Society with the Frederik Bang Award, and International Association of Inflammation Societies/Inflammation Research Association with the Women in Inflammation Award.

2017 SLB Elections Candidates for the Office of SLB President Elect

[READ CANDIDATES FULL BIOS HERE](#)



Al Ayala

The Society of Leukocyte Biology has been a great organization for the informal as well as formal interactions between scientists at all stages of their careers from differing disciplines interested in understanding the role(s) of various leukocyte family members in varied immune/pathological states. We have been able to do this primarily through our sponsorship of our annual meeting & its workshops, the Journal of Leukocyte Biology, with our newsletter and internet presence. This has all been accomplished/maintained by a dedicated, caring leadership and committed members that have guided the society. However, while our conjoined international meetings typically are well attended, we need to continue to explore what we can do to sustain the attendance of the national meeting (especially, when they are stand alones); possibly by continuing to reach out to like-minded organizations, like the Neutrophil Biology group, etc. With so many inflammation, immune cell, disease and organ centric meetings/societies out there, and in this era of tighter budgets and reduced travel time, it is critical we find ways to make this organization and its meeting stand out; otherwise we verge on being overlooked. In closing, I am honored to be nominated as a candidate for the President-elect office and would be privileged to serve the organization should that please the membership.



Nick Lukacs

The Society of Leukocyte Biology has played an important role in my development as a scientist and researcher during my career. I first joined SLB as a member more than 2 decades ago. My laboratory research has been involved in many aspects of leukocyte biology including chemokines, acute and chronic inflammation, dendritic cell biology and T cell responses. Over the years we have had the opportunity to publish many of these findings and opinions in primary and review articles in the Journal of Leukocyte Biology. More recently, I have become more active in the SLB as the Chair of the Publications committee from 2009-2012 and as a Councilor from 2012-2016. I also had the privilege to be an organizer of the Annual SLB meeting in 2015 that took place in Raleigh, NC. In order

to better reflect the changing landscape of research in leukocyte biology, it is critical for SLB to continue to evolve into new and innovative research areas by partnering with other complementary societies and networking within the scientific community to attract new members with diverse interests. In my opinion the 2 most important strengths of SLB are the career development of young scientists and the camaraderie of scientists at meetings and programs run by SLB. As President, I would try to continue and enhance those latter aspects of the society by expanding our membership and strengthening our commitment to young researchers.

2017 SLB Elections Candidates for the Office of SLB Councilor

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Julian G. Cambronerio

A member since 1988 and under the auspices of Dr. Nauseef, Julian was instrumental in developing the “Professional Development Committee” for the Society for Leukocyte Biology in 2009. Julian has been the Chair, from 2010-present. He created and developed a “Writing your first Grant” workshop with advice for Junior Faculty, presented nationally at the SLB annual meetings, 2012-16, and invited Dr. John Lombardo, a consultant on career advancement for the Vancouver-2017 meeting. Julian has published with SLB members a paper in [Nature Immunology](#) on the SLB-sponsored workshop of the Grant Writing Workshop. SLB is his favorite Society for both scientific and networking/friends opportunities and would like to continue serving in the area of career professional development for beginning scientists.



Cherié L. Butts

Having conducted research in academia, government, and now industry, I have been fortunate to experience the distinct (yet complementary) manner in which science is conducted in different sectors. In addition, a prior role as program manager and current role as portfolio director provide insight into business aspects of science, how to better leverage resources, more creative funding approaches, and the vast array of career opportunities for scientists beyond the bench. As such, I would like to

focus my role in a leadership position within the Society of Leukocyte Biology (SLB) to enlighten other scientists, especially trainees in academia, about the importance of the following:

- 1) Building an “acapreneurial environment,” in which we develop entrepreneurial scientists who think about their research not only for publishing but also for patenting and potentially licensing;
- 2) Exposing scientists to opportunities outside of academia and away from the bench in order to expand our definition of what it means to have a successful scientific career; and
- 3) Develop more decision-makers, which is more than acquisition of leadership skills but rather increasing the pool of scientists who want to make significant positive change in how science is conducted and how scientists conduct themselves.

I believe it will be important to foster more innovative approaches to conducting and funding research and believe SLB provides the perfect environment to do so.



Pranoti Mandrekar

Building a thriving culture of scientific discovery is important for creating a well-informed society. The mission of the Society for Leukocyte Biology (SLB) is to promote the discipline of Leukocyte Biology Research to enhance our understanding of leukocytes in health and disease. This mission is accomplished through service to its membership, development and dissemination of scientific innovation, rigorous peer review, promoting education, career development, advocacy of science at the national level and fostering effective interactions.

As an active member of the SLB, it is with great passion and enthusiasm that I respectfully accept my nomination to serve on the SLB Board in the position of Councilor, and humbly support the mission of the organization. In my current role as a member of the SLB Development and Outreach Committee I have reached out to corporate agencies to develop long lasting relationships to benefit SLB in increasing memberships and meeting sponsorships. Also, as a member of the Women and Diversity Committee, I have actively participated in planning activities, networking and sharing information and resources to advance faculty careers and enhance diversity in the organization. We have to work hard to meet the challenges ahead from shrinking budgets while meeting our own high standards of opportunities for all. If elected to the SLB Council, I assure

to be deeply committed to continue to increase outreach efforts as well as build new partnerships with corporate and/or government agencies.

In addition, enhancing diversity as well as facilitating junior faculty careers through mentoring programs is also another focus to advance the mission of SLB. I believe due to my role at UMMS as the Chair of the UMMS Mentoring Advisory Board, Director of the Translational Science Graduate Program and Director of the UMMS Summer Research Program and Co-PI on an NIH Summer Research Program to Increase Diversity Among Biomedical Researchers R25 grant, I can make significant contributions to the SLB community. We can make a difference if we work together.



Ruth Montgomery

Dr. Montgomery's work mirrors the goals of the SLB. Investigators with expertise in relevant cellular functions are needed to advance our understanding of disease

mechanisms, especially as high-throughput techniques and immune-based therapeutics increase rapidly across clinical fields. Her group includes numerous trainees and students and she encourages broad participation in scientific disciplines to increase appreciation and understanding of the role of leukocytes both in disease situations and in maintenance of health. As Associate Dean for Scientific Affairs, she promotes use of emerging technology in research, facilitates access to research resources at Yale, and administers core facilities and regulatory groups for university-wide safety and technology services. Dr. Montgomery has a track record of promoting access for young investigators, supporting rigorous and in-depth cellular studies of pathogenic mechanisms, fostering close collaboration with clinical researchers, and embracing technical innovations that advance studies of immune pathways. As a Councilor, Dr. Montgomery's strengths can benefit the larger SLB community directly.

51st Annual Meeting

Society for Leukocyte Biology & International Endotoxin and Innate Immunity Society

October 14-16, 2018

The Sheraton Grand at Wild Horse Pass, Chandler, AZ

Chairs: David Underhill, Egil Lien, and Darren Lee

Featuring 2018 SLB Bonazinga Keynote Lecturer, Mary Dinauer. Look in the next issue for more details about the meeting and our keynote speaker!

Check back for details on program topics and speakers coming soon and mark your calendars for this 2018 event!

LATE BREAKING ABSTRACT SUBMISSION OPENING JULY 31ST!



50th Annual Meeting

October 5-7, 2017

The Westin Bayshore
Vancouver, BC Canada

SAVE THE DATE!



LEUKOCYTE MEMORY: HEALTH AND DISEASE

PROGRAM CHAIRS - **Lionel Ivashkiv**, Hospital for Special Surgery and **Liwu Li**, Virginia Tech

PLENARY TOPICS

Memory of Tissue Location and Micro-Environment
Epigenetic Mechanisms of Memory in Innate Immune Cell Activation
Epigenetic Memory in Lymphocytes
Leukocyte Memory in Chronic Disease
Leukocyte Memory in Infection and Injury

CONCURRENT TOPICS

Microbiome in Leukocyte Memory
Systems Analyses of Leukocyte Memory
Leukocyte Memory and Drug Development
Systems Biology of Adaptive Immune Memory
Metabolism in Leukocyte Memory
Leukocyte Memory in Autoimmune Disease
Engineering Analyses of Leukocyte Memory
Best of Journal of Leukocyte Biology

INVITED SPEAKERS

Ido Amit
Danica Chen
Marco Cassatella
Mashkoor Choudhry
Hogler Eltzschig
Andrew Gewirtz
Chris Glass
Ajanda Goldrath
Daniel Irimia
Lionel Ivashkiv
Lewis Lanier
Christina Leslie
Liwu Li
Gioacchino Natoli
Mihai Netea
John O'Shea
Virginia Pascual
Gwendalyn Randolph
Ellen Rothenberg
Carla Rothlin
Matthew Sleeman
Ira Tabas
Hong Wang