



# Society for Leukocyte Biology

## EDITOR'S NOTES – Vijaya Iragavarapu, i-SLB Editor



Hello everyone and welcome to the summer edition of the iSLB newsletter. In this issue we will highlight some of the events at the upcoming meeting in North Carolina. In this issue we have short biographies of four members of SLB, Dr. Luis Justement who is the Chair of the SLB Publication Committee,

Dr. Liwu Li who was the past Chair and currently a member of the Fund-raising & Development Committee of SLB, Dr. Lee-Ann Allen who has been a Chair and Discussion Leader at Gordon Research Conferences and Dr. Elizabeth Fitzpatrick who was the past Chair of Women & Diversity Committee. I hope you enjoy reading about their professional accomplishments.

For the first time, SLB had its own session (topical areas representative of the society were included in the program) at the recent Annual Association of Immunology that was chaired by Silvia Uriarte and Madhavi Rane. Please read about this session in this issue.

Membership in SLB is one of the ways that you as a researcher, early career scientist, or trainee can meet new like-minded people and further develop your networks. Please read about the Membership Committee report by Dr. Bruce Walcheck. As

promised we included a profile of one of the members of SLB, Dr. Andrea Tenner who is an expert in the field of complement research.

This year's annual meeting in Durham, N.C. is packed with excellent topics ranging from autophagy and innate immunity, epigenetics related to immunity, microbiome and mucosal immunity, neuroimmune interactions, to the metabolic control of immune function. Also read about the Street Smarts session and Professional Development session. Remember that there will also be Satellite sessions, including one on Alcohol and Immunology: Neuroimmunoendocrine Effects of Alcohol. As you all know SLB supports journal club series known as Pizza 'n Pubs program. In this issue we highlight how this program actually got started by Dr. Luis Montaner and the impact it has had on those like Dr. Coy Allen who was one of the recipients of the Pizza' n Pubs Award.

New for the first time, we will have Junior Editor's corner where junior editors will highlight some of the issues that concern early career scientists and trainees. Please read the article submitted by Meredith Crane on the GRS at the Gordon Research Conference.



## President's Message

*Ann Richmond, President*

As we look forward to summer, time away from meetings and more time for research, we look forward to coming together again for the SLB meeting in Raleigh, North Carolina to explore "Immunity in Health and Disease", September 27-29, 2015. Organizers Elizabeth Kovacs and Nicholas Lukacs have planned an exciting program and there is a promise of many travel awards for students and postdoctoral fellows. SLB is trying out many new things this year at the meeting, including short poster talks and online posting of abstracts post-conference to further expand the reach of the annual meeting and our member's work. Now is the time to submit abstracts for the September meeting and to consider applying for the Presidential Awards, Dolph Adams Award

and the Thorbecke Award. Register and reach out to others so that we will have the best meeting ever! This is a time of great excitement in the quest to unravel the intricacies of how to master the activation of leukocytes to optimize health and fight disease. For example, immunotherapy offers new hope for treating cancers based upon recent findings that blocking checkpoint inhibitors enhance the anti-tumor immune response. Phenomenal responses are being observed in patients with metastatic melanoma and other cancers through treatment with antibodies to CTLA-4, PD-1 and PDL-1. We are learning how to combine these treatments with other therapies so that the anti-tumor response will be heightened. We are also learning the significance of these checkpoint inhibitors in controlling

auto-immune diseases. I cannot recall a time in my research career when the promise of new ways of harnessing leukocytes to strengthen our health and overcome disease has been more imminent and exciting. Plan to be there and share your data, network, and learn about the latest breakthroughs in leukocyte biology.

## Junior Editor Corner



*Stephania Libberos*

Throughout the years the opportunity to attend the SLB annual meetings and getting to learn about the latest research being conducted in the field has been a gratifying experience. The annual meeting not only gives the opportunity of learning about cutting-edge science, but also allows for the interaction between senior scientists with junior scientists and trainees. My first experience attending an SLB annual meeting was in 2008 in Denver as an undergraduate. As someone who was new to the field at that time, I found this meeting to be a welcoming environment that allowed for learning at every stage of a scientific career. The SLB annual meeting is structured in a way that allows for constant networking opportunities in a relaxed and casual setting. There are plenty of opportunities for trainees to interact with leaders in the field, such as the poster sessions, mixers and coffee breaks. One of SLB's goals is to support trainee career development by providing opportunities not only financially to attend the meeting through travel awards but also to give oral and poster presentations. I have reaped all the benefits provided by the SLB including a travel award to attend the 2010 annual meeting in Vancouver, oral presentation in 2013 at the Rhode Island meeting, as well as the opportunity to publish in the society's Journal of Leukocyte Biology. In addition, I had the opportunity to highlight and represent trainees as a junior editor for the iSLB newsletter. There are plenty of opportunities for trainees to get involved within the society and participate at the annual meeting. For example, getting involved in

the newly formed MTTG group and attending the MTTG session at the 2015 annual meeting specifically focused on the topic of career transitioning.

If this is your first time attending an SLB annual meeting, there will be numerous occasions to connect with other trainees and start new friendships. Come and join us, submit your abstracts and apply for travel awards to attend the Raleigh, NC 2015 meeting.



*Cortney Armstrong*

SLB has been a very enriching society to be a member of and I have had many rewarding experiences since joining the society in 2013. At both the 2013 and 2014 meetings, I presented a poster and signed up for all the workshops (they are free!). There are a variety of workshops offered, that can help with navigating grant writing (at all levels), learning the tips and tricks of being a student/mentor/post-doctoral fellow and also career development. I really enjoy the interactions I have had not only with other students, but also with those important members of the field, whose name you read about in papers. It is nice to be a member of a society where at a meeting, you are not just a number, but an important member that can discuss your work among colleagues. Even as a graduate student, I feel comfortable speaking with the most senior scientists in their field, due to the welcoming nature of the society. More recently, I joined the Publications Committee as a junior editor of the iSLB along with Stephania Libberos. We've been involved with contributing our ideas for articles contained in the iSLB and have taken the lead on conducting our own interviews as well. Working alongside iSLB editors, Vijaya and Amanda, and with the help of Jen Holland, we have had great discussions about the future of SLB and how to get more junior members involved. The society is receptive to hearing about your concerns, suggestions, and ideas and wants YOU to be involved. I've learned that you get out of the society what you put in. The SLB truly concerns itself with the needs of students, post-docs, and fellows, as we are the future of this great society!

## PIZZA AND PUBS PROGRAM



Welcome to our newest Pizza n' Pub Group –Virginia Tech!

**Sign up to get \$200 per year to local groups to be used at regular meetings!**

To qualify, your group needs to have at least 10 people, of which at least two must be PIs who are SLB members, and one student/postdoc who will join SLB as a new member.

To apply, simply send us an email ([slb@faseb.org](mailto:slb@faseb.org)) with the names and email addresses of the members of your group, a brief description of the lab group/journal club/discussion group, and a paid application for a student membership (you may download this off the SLB Web site ([www.leukocytebiology.org](http://www.leukocytebiology.org))).

## Congratulations to Andrea Tenner, Sam Silverstein, and William Nauseef!

Congratulations to the 2015 SLB Lifetime Honorary Member inductees, Andrea Tenner and Sam Silverstein. Also join us in congratulating William Nauseef as the 2016 Bonazinga awardee. See this issue for Andrea Tenner's bio and look in the next issue for Sam Silverstein and William Nauseef's bios.



### The Members in Transition and Training Group (MTTG)

*Stephania Libreros, Juhi Bagaitkar, Elizabeth Novak and Hemant Kumar Mishra (MTTG members)*

The Members in Transition and Training Group (MTTG) is an evolving organization within SLB with the singular goal of providing junior SLB members with networking and career-building opportunities that would facilitate transition into successful science-related careers. The MTTG is governed by a group of 4 to 5 junior SLB members that work closely together, managing various MTTG initiatives. Some of our activities for the upcoming year(s) will focus on developing programs and online forums that would help trainees with professional development. Such forums are specifically designed to initiate discussion about the issues and concerns relating to career transitions. In addition, there will be workshops/networking events at SLB meetings and SLB-related events that will be designed to facilitate interactions with eminent scientists and other senior members of SLB. Such workshops provide opportunities to seek important career-building resources and also increase SLB membership and member participation.

We are actively seeking new members for this initiative and welcome questions, advice, or suggestions. One of

the benefits of joining the MTTG group is the ability to participate in matters of the society. Members from the MTTG had the opportunity to be involved in the selection process of SLB-sponsored travel award recipients to attend the Gordon Research Seminar (GRS) on "Phagocytes". MTTG is ecstatic to announce that two SLB trainee members will be attending the GRS meeting. This is a reflection of the active involvement and support of the SLB for trainees' career development and the formation of the MTTG.

We are thrilled to announce that MTTG will be hosting a session during the 2015 Annual meeting featuring four esteemed faculty members from various universities. We are delighted that Dr. Silvia M Uriarte, Assistant Professor of Medicine at the University of Louisville, Dr. Cherie Butts, Associate Director of Biogen Idec, Dr. Lee-Ann Allen, Professor of Medicine and Microbiology at the University of Iowa, and Dr. Ilhem Messaoudi, Associate Professor of Biomedical Sciences at the University of California Riverside will be joining us for our first official event.

The theme of our session will be on "Career Transitions". It will be a relaxed afternoon session with drinks, food, and plenty of opportunity for open panel discussion with the perk of receiving an extra drink ticket for the social mixer. Moreover, if you become a recipient of an SLB travel award, please join us at our session where we will be announcing the awardees! This session will be a great opportunity for us, as trainees, to interact in an informal way with senior scientists. Come join us with all your questions regarding every stage of your career transition.

We are seeking to expand our newly formed group with more enthusiastic trainees who want to be involved within the society. If you are a graduate student, post-doctoral fellow, or early stage junior faculty stay-tuned, participate, and share your suggestions for the MTTG by following us on LinkedIn and the SLB website.



## Lauren Kinhead

Participating in the Phagocytes Gordon Research Seminar (GRS) was a fantastic experience. I was thoroughly impressed with the organization of the seminar and the fulfillment of its major objective, which was, to provide a forum for junior scientists to discuss their research and exchange ideas with individuals of similar levels of education. I enjoyed having the chance to talk to other students and post-doctoral fellows about their areas of study, career paths, and life experiences.

As a student with research experience largely focused in bacteriology, I was apprehensive about attending a conference centered on innate immunity. However, the GRS was the perfect introduction to the diverse range of studies and topics of phagocyte biology, therefore I was far less anxious for participation in the sessions and discussion at the GRC after attending the seminar. The size of the group was optimal and helped create an open, easygoing environment for discussion. There were several other opportunities including poster sessions and receptions where I could interact with other trainees, discuss research, and establish collaborations.

My work was selected for an oral presentation, which was the first opportunity I had to formally present my dissertation research to scientists outside my institution. I was very pleased to get positive feedback including questions and new ideas about my research from other young investigators. Overall, I was incredibly impressed with the diversity of topics covered in the scientific sessions. Topics included phagocyte-pathogen interactions, functions of phagocytes in inflammation, immunity, and resolution of inflammation. Each of the speakers captured my attention while providing new and interesting information on their various projects. Moreover, I really enjoyed learning about new data and cutting-edge techniques.

The last session of the GRS consisted of a mentoring panel including four senior investigators, each with different life and career experiences that lead them to their current position. It was interesting to hear how each individual developed as a scientist and what advice they had for becoming a successful professional.

Overall, I highly recommend attending the Phagocytes GRS. It complements the contiguous GRC very well by providing background for the conference topic and allowing young investigators to prepare for participation and discussion with senior investigators.

## Phagocytes Gordon Research Seminar



*Meredith Crane*

This year's Phagocytes Gordon Research Seminar and Conference took place at New Hampshire's scenic Waterville Valley Resort from May 30 to June 2. I was delighted and honored to receive a travel award from SLB to attend the Gordon Research Seminar (GRS), a special two day session prior to the conference focusing on the research of graduate students, postdocs, and other scientists with a similar level of experience. The GRS, which was aimed at "exploring the spectrum of phagocyte function in inflammation, infection and resolution," was led by chair Mallary Greenlee-Wacker and assistant chair Laura C. Whitmore, both postdocs at the University of Iowa. Dr. Paul Kubes and Dr. Dianne Cox served as chair and vice chair, respectively, of the Gordon Research Conference (GRC) and were in attendance at the GRS.

The GRS consisted of three sessions of engaging talks and two poster sessions. With only about fifty trainees and scientists in attendance, we had ample opportunity

to connect with our peers and discuss our research. The poster sessions were particularly productive and enjoyable. The enthusiasm among the group was palpable, and many people lingered over the posters long after each session was scheduled to end. The talks covered a wide range of topics relating to phagocyte biology and all were excellent. Two in particular, Bas Surewaard from the University of Calgary and Harikesh Wong from The Hospital for Sick Children, were selected by the group to present again at the GRC.



*Mentorship Panel*

The two-day GRS concluded with a mentorship panel discussion with presenters Dianne Cox, Jessie Kubes, Paul Kubes, and Samuel Silverstein. Each spoke of her or his career journey, offering lessons and advice from their experiences. Dr. Jessie Kubes, who is the Director of Intellectual Property Management at Innovate Calgary, offered a voice for career alternatives to academic research. Dr. Silverstein ended the session with some inspiring words on the importance of basic research, and the necessity for scientists to become advocates in the community. This was my first time attending a GRS, and it was truly an enriching experience. I greatly appreciated the opportunity to engage with and learn from my peers in the field, and look forward to future meetings.

## Membership committee

*Bruce Walcheck (SLB Councilor)*

The Membership Committee has been busy so far in 2015. Our Co-Chairs Min Wu (North Dakota Univ.) and Andrei Medvedev (Univ. of Connecticut), along with Vijay Rathinam (Univ. of Connecticut), Cynthia Leifer (Cornell University), Jason Kay (University at Buffalo), Vito Pistoia (G. Gaslini Institute), Michael Schnoor (CINVESTAV del IPN), and Vidula Vachharajani (Wake Forest). We have been brainstorming ideas on how to continue to grow our membership since we recognize that a large and diverse community of leukocyte biologists will increase collaborative research and promote new discoveries by our members. The Society is very committed to supporting early career researchers and those in training and transition;

therefore, we thought they would be a great population to target. We drafted a proposal, which the Council recently voted to accept, that automatically extends all student and postdoc memberships to a 3 year term. When new students and postdocs become society members, their 1 year membership fee is automatically extended to 3 years. Furthermore, current student and postdoc members automatically had their memberships extended to 3 years without having to do anything. We believe this will increase interest in our society by the next generation of scientists. An example of how this new initiative is already spreading the word is Javier Cabrera Pérez (MD, PhD Candidate, University of Minnesota School of Medicine), who was excited about the membership extension and emailed his Immunology list serve to say “this is a good society and the price of membership is practically free”. You can help by encouraging trainees at your institution who are interested in leukocyte biology to join the SLB.



*Javier Cabrera Perez*

We are also working with the Website committee to develop a new platform where SLB members can join a blog-type discussion forum to share resources related to, in part, research, reagent information, and techniques. For instance, we envision this as a potential forum to rate and review reagents and techniques, and possibly share negative data. This initiative is still in the testing phase so please visit the SLB Forum webpage (SLB>Resources>SLB Forum) to try it out, and contact one of our committee members to share your ideas. Lastly, we are working with the JLB on possible incentives for SLB members, so stay tuned!

## Call for SLB 2015 Co-Chairs

SLB welcomes abstract submitters to indicate during abstract submission their interest in being considered for a co-chair slot. Be sure to check the appropriate box during abstract submission.

Email [kladuca@faseb.org](mailto:kladuca@faseb.org) with questions about session co-chairing.

## SLB 2015 Awards



**Be sure to apply online during abstract submission!**

## Street Smarts of Science for Students

Elizabeth Kovacs

SLB is very devoted to trainees at all levels as they are 1) the products of our teaching and 2) the next generation of scientist.

The “Street Smarts of Science for Students” is a session dreamed up by Dr. Elizabeth J. Kovacs several years ago. Liz has been a member of SLB since she was a graduate student (we won't say how long ago). She and a handful of senior faculty, will impart their knowledge of how to survive in academia in a session designed around the needs of graduate students.

### Topics will include:

- How to get the most out of a scientific meeting
- Finding mentors
- Networking with peers and others
- NIH 101
- How to stalk faculty
- Self “marketing” and how to find jobs
- “The Elevator Talk” or what to do (and not to do) if you run into your Department Chairperson, Dean, a person who might have a reagent that you want for your experiments or the President of the United States. (Yes! The latter did happen to a student in my lab.)

## New SLB Discussion Forums!

See what other people are saying and chime in! From reagents to roommates, this new tool is a valuable SLB Member resource!

## Professional Development Committee

Julian Gomez-Cambronero, Chair

The SLB will hold three educational workshops in Raleigh for junior faculty/postdocs/grad students, as part of the educational program of the Society and its Professional Development Committee (PDC).

- First, the “Street Smarts of Science” will be led by Dr. Elizabeth Kovacs and Dr. Sulie Chang the first day of the SLB meeting. The objective is to provide grad students with ideas on how to present one's science (and yourself) to a more senior scientist during, for example, a national meeting. The leaders will probably invite a member of the scientific community to share their own experiences and practical advice of how we “succeeded” in our scientific careers. Based on previous offerings, it is anticipated that 30-40 people will attend.
- The second educational program will be the “Grant writing workshop”. The workshop will open with a presentation by the PDC Chair, Dr. Julian G. Cambronero, who will share ample resources and practical tips for preparing and submitting a grant. New this year is that we will ask potential participants to classify themselves as the stage of their careers: trainee (grad student or postdoc) or junior faculty, given that their objectives are slightly different. At the day of the workshop, the two groups will be formed after the introduction and will move to the round table format led by the faculty. In the past, we have invited Drs. Dan Remick, Liz Kovacs, and Lee-Ann Allen, who will be invited again. Based on previous offerings, it is anticipated that 30-40 people will attend and that we need at least 5 faculty for the round tables.
- The third educational activity has been spearheaded by Dr. Louis Justement, regarding the arrangements for the upcoming “SLB Guest Symposium at AAI”. This will be an annual competition to select 4 outstanding early-career investigators who would receive travel awards to attend the AAI meeting (starting in 2016) to present their work. The details of this award are described to Council in a separate section by Dr. Justement. At this point, we would like Council to advise on whether this new activity should be overseen by the Awards Committee or by the Professional Development Committee. Secondly, a Chair and a Co-Chair will need to be identified for this “SLB Guest Symposium at AAI”, in order to oversee the award, to work with Jen Holland to complete the necessary AAI proposal and to submit that to AAI for approval. Again, we solicit input from

Council, as to the source to draw these personnel: the Awards Committee, the Professional Development Committee or the SLB Membership at-large. The new proposal would begin in 2016 and it would be budgeted for. If approved, it would be built into the budget annually going forward.

### Prof Dev Committee

- Julian G. Cambroner, Chair, julian.cambroner@wright.edu
- Claire Doerschuk, Council Liaison, claire\_doerschuk@med.unc.edu
- Mawadda Al-Naeeli, al-naeel@ohio.edu
- Sulie Chang, sulie.chang@shu.edu
- Louis Justement ljust@uab.edu
- Ilhem Messaoudi, messaoud@ucr.edu
- Madhavi Rane, madhavi.rane@louisville.edu
- Mark Wallet, mawallet@pathology.ufl.edu

## SLB Guest Symposium at the American Association of Immunologist (AAI) annual meeting

*Silvia M. Uriarte and Madhavi J. Rane, SLB symposium Chairs*

This year, SLB member Louis Justement organized a guest symposium at the AAI meeting which was held from May 8-12 in New Orleans, Louisiana. The theme of the SLB symposium was The Next Generation! A group of six junior and mid-level career scientists were selected to present their research. The common feature among the selected speakers was that they all were recipients of a prestigious SLB award within the past five years. The speakers were Joshua J. Obar, from Montana State University; Irving Coy Allen, from Virginia Polytechnic Institute and State University; Laura M. Sly, from University of British Columbia; Madhavi J. Rane, from University of Louisville; Ilhem Messaoudi Powers, from University of California, Riverside; and Silvia M. Uriarte, from University of Louisville. The common theme of these presentations was inflammation (both sterile and pathogen mediated). The goal of organizing a guest symposium at a highly-attended immunology meeting such as AAI was three-fold: to provide a broad representation of the outstanding scientific work done by members of the SLB community, to recognize early- and mid-career investigators for their scientific contributions, and finally, to showcase the opportunities associated with being a member of SLB to attract new members to the society. We were very happy with the outcome of the symposium. The symposium had in attendance approximately 40-50 scientists, including

a mixture of non-SLB and SLB members. All of the presentations were excellent and each speaker presented great advances in their field of study. The presentations were well received by the audience as each presentation was followed by several questions. Pictures speak louder than words; therefore, we would like to thank one of our SLB members Ramón Garcia Areas who captured several special moments throughout the symposium, which are displayed in the current issue of iSLB.



*Dr. Ilhem Messaoudi Powers at the AAI guest symposium*

### SATELLITE MEETING

## Alcohol and Immunology: Neuroimmunoendocrine Effects of Alcohol

Sunday September 27, 2015 (8 am - 1 pm)

#### Invited speakers:

Talks selected from submitted abstracts  
Poster session (During the SLB meeting)  
Travel awards available (NIAAA R13 grant)

#### Abstract Deadline:

July 7, 2015 (same deadline & format as SLB)

#### For More Information:

Elizabeth J. Kovacs, PhD [ekovacs@luc.edu](mailto:ekovacs@luc.edu)  
Mashkoor A. Choudhry, PhD [mchoudhry@luc.edu](mailto:mchoudhry@luc.edu)

# 2015 SLB Ballot

## President Elect:

Lee Ann Allen  
Liwu Li  
Mark Quinn

## Secretary:

Louis Justement  
Elizabeth Fitzpatrick

## Council Member:

Mark Wallet  
Pranoti Mandrekar  
Veronique Witko-Sarsat  
David Underhill



## Lee-Ann H. Allen

**Education:** B.S., Biochemistry, University of California Riverside, 1982; Ph.D., Biochemistry, University of Wisconsin-Madison, 1990; Postdoctoral Fellow, Laboratory of Cellular Physiology and Immunology and Laboratory of Signal Transduction, The Rockefeller University, New York, 1991-1996.

**Professional experience:** Professor, Department of Internal Medicine, Division of Infectious Diseases and Department of Microbiology, University of Iowa, Iowa City, IA (2010-present); Co-director Infectious Diseases Training Grant (2014-present); Faculty, Graduate Training Program in Immunology (2014-present); Faculty, Graduate Training Program in Molecular and Cellular Biology (2005-present); Faculty, Medical Scientist Training Program (2004-present); Associate Professor (with tenure), Department of Internal Medicine, Division of Infectious Diseases, and Department of Microbiology, U. of Iowa (2003-2010); VA Research Health Science Specialist, Iowa City VA Medical Center (1999-present); Assistant Professor, Department of Internal Medicine, Division of Infectious Diseases, U. of Iowa (1997- 2003); Faculty, Iowa Inflammation Program (1996-present); Associate, Department of Internal Medicine, Division of Infectious Diseases, U. of Iowa (1996-1997).

**Awards and Honors:** Chair, Phagocytes Gordon Research Conference (2013); Associate Director, Midwest Regional Center of Excellence for Biodefense and Emerging Infectious Diseases Research (MRCE, 2007-2014); Vice Chair Phagocytes Gordon Research Conference (2011); Treasurer, Society for Leukocyte Biology (2009-2012); Discussion Leader, Gordon Research Conference on Microbial Toxins and Pathogenicity (2014); Discussion Leader, Phagocytes Gordon Research Conference (2009, 2011, 2015); Session Chair/co-Chair, Annual SLB Meetings (2008, 2009, 2015); Session Chair, 9th Annual NIAID Regional Centers of Excellence for Biodefense and Emerging Infectious Disease Research Meeting (2013); Abstract reviewer/session

programmer American Association of Immunologists (2012- 2014); Session Chair, 6th International Conference on Tularemia (Berlin 2009); Organizer, University of Iowa Health Sciences Research Week (2007); SLB Nominating Committee member/chair (2003-2005); Speaker at international conferences including: Phagocytes Gordon Research Conference (1997, 2001, 2003, 2005, 2009); Society for Leukocyte Biology Meeting (2008, 2010, 2014, 2015); 5th- 7th International Conferences on Tularemia (Woods Hole, 2006, Berlin 2009; Breckenridge, 2012); Plenary speaker, 6th Regional Centers of Excellence for Biodefense and Emerging Infectious Diseases Research Meeting (2010); American Society for Microbiology Meeting (2010); International Conference on the Intracellular Niches of Microbes (Borstel, 2009); European Phagocytes Workshop (Uppsala, 2007); Keystone Conference on Innate Immunity (2002); Keystone Conference on Macrophage Biology (1999). Fellowships: Charles H. Revson Fellow, The Rockefeller University (1991-1992), F32 Individual NRSA postdoctoral fellowship NIAID (1992-1995).

**Professional Activities:** Journal of Infectious Diseases, Editorial Advisory Board (2006-present); Journal of Immunology, Associate Editor (2012-2016); Infection and Immunity, Editorial Board (2013-2015); Frontiers in Cellular and Infection Microbiology, Reviews Editor (2010-present); Frontiers in Systems Biology, Editorial Board (2013-present). Ad Hoc reviewer for Blood, Journal of Biological Chemistry, Journal of Experimental Medicine, Journal of Leukocyte Biology, Nature Reviews Microbiology, Cellular Microbiology, Journal of Clinical Investigation, and PLoS Pathogens, among others. Grant review panels and study sections: Standing (permanent) member, NIH Host Interactions with Bacterial Pathogens (HIBP) Study Section (July 2012-June 2016); CETR level 2 NIAID panel (Sept. 2013); NIAID Special Emphasis Panels (October 2014, June 2012); NIH Topics in Bacterial Pathogens and Drug Discovery (May 2011); NIAID Special Emphasis Panel ZRG1 IDM-S(02) Member conflict (2011); NIAID Study Section ZAI1-JKB-M-M2 Host-Pathogen Interactions P01 grants (March 2011); Defense Threat Reduction Agency

(DTRA) grant reviewer (January 2011); AAAS Biological Sciences Research Competitiveness Program Grant Reviewer (2008-2009); NIH/NIAID Special Emphasis Panel on Microbial Pathogenesis ZRG1 IDM-A (ad hoc 2004-2012). SLB Grant Writing Workshop mentor (2011, 2012, 2014).

**Research Interests:** Macrophages and neutrophils including mechanisms of phagocytosis, regulation of NADPH oxidase targeting, assembly and activation, phagosome maturation, regulation of phagocyte function by intracellular signaling, apoptosis and mechanisms of cell death, neutrophil gene expression and lifespan, and manipulation of all these processes by the bacterial pathogens *Helicobacter pylori* and *Francisella tularensis*.



## LIWU LI

**Education:** Ph.D., The University of Michigan at Ann Arbor, MI, USA, 1996; Post-doctoral Fellow, The University of Michigan Medical School, Ann Arbor, MI, USA, 1999.

**Professional Experience:** Professor of Inflammation Biology & Immunology, Department of Biological Sciences, School of Biomedical Engineering & Sciences, Department of Internal Medicine, Virginia Polytechnic Institute & State University (Virginia Tech), 2005-Present; Director, Center for Inflammation, Virginia Tech, 2007-present; Instructor, Assistant Professor, Associate Professor, Department of Internal Medicine, Wake Forest School of Medicine, Winston-Salem, NC, 1999-2005.

**Awards and Honors:** Councilor for the Society of Leukocyte Biology (SLB) (2012-2014); Chair, the Fundraising & Development Committee of SLB (2012-2014); Member, the Fund-raising & Development Committee of SLB (2010-present); Member, the Award Committee of SLB (2013-present); Member, the Meeting Committee of SLB (2013-present); Secretary, Inflammation Research Association (2012-2014); Member, SLB (2003-present); Member of the ASBMB (2001-present), AAI (2003-present); Plenary session speaker, 6th world congress on trauma, shock and inflammation, Germany (2004); 46th annual meeting of SLB, Providence, RI (2013); 4th, 10th, 11th, & 12th Aegean Conference on innate immunity, Greece; Meeting organizer, chair, and speaker of several regional, national and international meetings related with inflammation research (2005-present); Reviewer of PNAS, Nature Immunology, Blood, Journal of Immunology, Journal of Leukocyte Biology, Infection & Immunity, Cytokine, FASEB Journal, Cancer Research, Critical Care Medicine, Innate Immunity, Antioxidant and Redox Signaling, and other

peerreviewed journals. Invited speaker at multiple peer academic institutions at USA (2002-present). Continuously funded by R01 grants from National Institute of Health since 2003. Outstanding Research and Service Award, Department of Biological Sciences, Virginia Tech (2012, 2014).

**Professional Activities:** Journal of Immunology, Associate Editor, 2005-2008; Inflammation Research, Associate Editor, 2008-present; Editorial board member, PLOS ONE, 2013-present; Regular member, Innate immunity & Inflammation study section, National Institute of Health, 2005-2008; Ad hoc member, study section of IHD (Innate immunity & host defense), AICS (Atherosclerosis and Inflammation of the Cardiovascular system), SAT (Surgery, Anesthesiology, and Trauma), and various other study sections for NIH (2002-present).

**Research Interests:** Systems biology of leukocyte activation; Fundamental mechanisms responsible for the programming of innate leukocytes as reflected in priming and tolerance of macrophage/monocyte; molecular and cellular circuitries involved in plastic and stable memories of innate leukocytes; dynamic programming and memory of innate leukocytes in acute sepsis, chronic injury, atherosclerosis and other pathophysiological processes.



## Mark T. Quinn, Ph.D.

Professor, Department of Microbiology & Immunology and Director, WIMU Regional Program in Veterinary Medicine, Montana State University, Bozeman

**Education:** Point Loma College, San Diego, CA; B.A.; 1982; Biology and Chemistry; University of California San Diego Extension; 1986; Professional Certificate in Management; University of California, San Diego, CA; Ph.D.; 1987; Physiology and Pharmacology; The Scripps Research Institute, La Jolla, CA; 1988-1989; Postdoctoral Research Associate

**Professional Experience:** Senior Research Associate, Montana State University, 1989-1990; Assistant & Associate Research Professor, Montana State University, 1991-1995; Assistant Professor, Montana State University, 1995-1998; Associate Professor, Montana State University, 1998-2005; Interim Department Head, Montana State University, 2000-2001; Professor, Montana State University, 2005-Present; Immunology and Infectious Diseases Department Head, Montana State University, 2005-2014; Director, WIMU Regional Program in Veterinary Medicine, Montana State University, 2014-present.

**Honors and Awards:** National Science Foundation Graduate Fellowship (1983-1986); U.S. Public Health Service Predoctoral Traineeship (1987-1988); U.S. Public Health Service Postdoctoral Traineeship (1988-1989); Arthritis Foundation Postdoctoral Fellowship (1989-1991); Arthritis Foundation Investigator Award (1991-1993); National Institutes of Health FIRST Award (1992-1997); Charles and Nora Wiley Award for Meritorious Research (1993); Invited Speaker, Phagocyte Gordon Conference, Plymouth, NH (1993, 1997); Invited Speaker, Alberta Heritage Foundation, University of Calgary, Canada (1995); American Heart Association Established Investigator Award (1996-2001); Invited Speaker, "The Phagocyte: Molecular and Clinical Aspects," Verona, Italy (1996); Invited Member, International Bioethics Institute, Lisbon, Portugal (2000); Invited Speaker, Biochemistry of Nitric Oxide Gordon Conference, Ventura, CA (2001); Invited Speaker, ASN/ISN World Congress of Nephrology, San Francisco, CA (2001); Invited Speaker, Oxidases in Inflammation & Cellular Signaling, Cold Spring Harbor, NY (2002); Invited Speaker, NOX Family NADPH Oxidases Gordon Conference, New London, NH (2008); PI and Director, NIH P20/P30 Center of Biomedical Research Excellence in Zoonotic and Emerging Infectious Diseases (2004-Present); Member, NIH Special Emphasis Panel (2010, 2011, 2012); Invited Speaker, Purdue University, West Lafayette, IN (2015).

**Professional Activities:** Member, Montana State University Institutional Review Board (1995-2000); Member, Montana State University Radiation Safety Committee (1997-2004); Member, National Arthritis Foundation Biochemistry Grant Study Section (1997-2000); Chair, Montana State University Institutional Review Board (2000-present); Member, National Arthritis Foundation Inflammation Grant Study Section (2001-2004); Member, Society for Leukocyte Biology Nominating Committee (2002, 2003); Editorial Board Member, The Journal of Biological Chemistry (2002-2007; 2009-2014); Member, USDA Competitive Grant Program Animal Health Study Section (2003-2005); Member, VA Merit Review Subcommittee for General Medical Sciences (2003-2006); Chair, Society for Leukocyte Biology Nominating Committee (2004); Chair, Montana State University Radiation Safety Committee (2004-2014); Member, NIH Special RFA Study Section (2004); Member, Montana State University Biosafety Committee (2004-2006); NIH ELB Study Section Ad Hoc Member (2006); USDA Animal Biosecurity Coordinated Agricultural Project Study Section (2007); Editorial Board Member, Journal of Leukocyte Biology (2009-Present); Member, NIH Special Emphasis Panel ZRR1 CG-7 (2010); Society for Leukocyte Biology Scientific Council Member (2012-2015).

**Research Interests:** Our research is focused on understanding microbicidal mechanisms utilized by innate immune cells in defense of the host against pathogens. Specific projects have focused on investigating the molecular and biochemical basis of phagocyte oxygen radical production, as well as the role of phagocyte-generated oxidants in the tissue damage associated with inflammatory diseases in humans and livestock. In recent studies, we have focused on identifying and characterizing novel immunomodulatory compounds and natural products for modulating innate immune responses, including the identification of novel classes of small-molecule agonists and antagonists that target N-formyl peptide receptors. We have also identified a novel class of c-Jun N-terminal kinase inhibitors and are evaluating their potential as therapeutics for treating rheumatoid arthritis.



## Louis B. Justement

**Education:** B.A., Microbiology, Miami University, Oxford, Ohio, 1980; M.S., Microbiology, Ohio State University, Columbus, Ohio, 1982; Ph.D., Microbiology, Ohio State University, Columbus, Ohio, 1985; Postdoctoral Fellowship in the Departments of Medicine and Pediatrics, National Jewish Medical and Research Center, Denver, CO, 1985-1990.

**Professional Experience:** 2006-Present, Associate Director, Medical Scientist Training Program, University of Alabama School of Medicine; 2001-Present, Professor, Department of Microbiology, University of Alabama at Birmingham (UAB); 2001-Present, Member, Comprehensive Diabetes Center, and Comprehensive Arthritis, Musculoskeletal, Bone and Autoimmunity Center, UAB; 2001-Present, Senior Scientist, Comprehensive Cancer Center, UAB; 1996-2001, Associate Professor, Department of Microbiology, UAB; 1995-1996, Associate Professor, Department of Microbiology and Immunology, University of Texas Medical Branch (UTMB); 1990-1995, Assistant Professor, Department of Microbiology and Immunology, UTMB.

**Professional Activities:** Societies - 1986-Present, Member, Society for Leukocyte Biology (SLB); 1996-1998, Member and Chair, Nominating Committee, SLB; 2010-Present, Member, Professional Development Committee, SLB; 2013-Present, Chair, Publication Committee, SLB; 1991-Present, Member, American Association of Immunologists (AAI); 2000-2004, Member, Program Committee, AAI; 2006-2012, Member, Public Affairs Committee, AAI; 2007-Present, Member, Science Policy Committee, Federation of American Societies for Experimental Biology (FASEB); 2008-Present Chair,

Training and Career Opportunities Subcommittee, FASEB; 2000-Present, Member, Executive Board, Experimental Biology (AAI Representative); 2000-2005, Member Program Committee, Experimental Biology (AAI Representative); 2006-2012, Member, Program Committee for Educational Strategies Workshops, AMSMIC; 2003-Present, Member, Publications Committee, International Association of Medical Science Educators; Editorial Boards – 1993-1995, Associate Editor, Journal of Immunology; 1995-2000, Section Editor, Journal of Immunology; 2004-Present, Editorial Advisor, Biochemical Journal; 2006-2011, Member, Editorial Board, Journal of Biological Chemistry; 2010-Present, Review Editor, Frontiers in Immunology; Grant Review – 1996-2003, Member, Immunology, Virology, Pathology Fellowship Study Section, NIH; 2004-2008, Member Cell and Molecular Immunology-B Study Section, NIH; 1998-Present, Reviewer, Italian Ministry for Research; 1996-Present, Reviewer, International Human Frontiers in Science Program; Other - 2010-Present, Member, National Board of Medical Examiners, USMLE Step 1 Microbiology Test Material Development Committee.

**Research Interests:** 1) Analysis of the physiological role of Trem Like Transcript-2 (TLT2) in regulation of innate and adaptive immunity. TLT2 is a transmembrane receptor that is expressed on myeloid/granuloid lineage cells and regulates their chemotaxis in response to agonists that bind to G protein-coupled receptors. TLT2 is also expressed on B lineage cells throughout their development and maturation. Studies are ongoing to examine mice in which TLT2 expression has been conditionally targeted in specific cell lineages. 2) Analysis of the cellular and molecular processes that regulate terminal B cell differentiation into antibody-secreting cells. Studies currently examine mouse models to assess the role of CD19 in regulating both marginal zone B cell function and the germinal center response. Studies are also ongoing to examine the physiological function of the adaptor protein HSH2 in regulation of class switched antibody-secreting cell formation.



### Elizabeth A. Fitzpatrick, Ph.D.

Associate Professor, Microbiology, Immunology and Biochemistry, University of Tennessee Health Science Center

**Education:** Indiana University of Pennsylvania, Indiana, PA; B.A.; 1985; Biological Sciences Ohio State University, Columbus, OH; Ph.D.; 1990; Microbiology and Immunology University of Kentucky, Lexington, KY; 1990-1994; Postdoctoral Fellow

**Professional Experience:** University of Kentucky, Lexington; (1994-1998); Senior Research Associate; University of Kentucky, Lexington; 1998-1999; Assistant Professor; United States Army Medical Research Institute of Infectious Diseases, Fort Detrick; 1999-2000; Scientist; University of Tennessee Health Science Center (UTHSC), Memphis 2000-2007 Assistant Professor; UTHSC, Memphis; 2007-present; Associate Professor; UTHSC.

**Honors and Awards:** National Research Service Award (1993-1994); Dorothy Gerwin Scholar, UTHSC (2006)

**Professional Activities:** Member, University of Tennessee HSC Institutional Animal Care and Use Committee (2003-2007); Chair, Cytokines I Workshop, 32nd Annual Autumn Immunology Conference (2003); Member, American Heart Association/Southeast Affiliate Study Section (2005-2009; 2013-present); Member, University of Tennessee HSC Deans Faculty Advisory Committee (2008, 2011); President, UTHSC Deans Faculty Advisory Committee (2010-2011); Member, Society of Leukocyte Biology Taskforce/Committee on Women and Diversity in Science (2010-present; Vice Chair, 2011; Chair; 2012-2014); UTHSC Graduate Student Recruitment Committee (2010-present); Microbiology, Immunology and Biochemistry Track Director/Joint UTHSC/St Jude Children's Research Hospital Integrated Biomedical Studies Graduate Program (2011-present).

**Research interests:** Our research focuses on the mechanisms of disease pathogenesis in Hypersensitivity Pneumonitis (HP); an immune-mediated interstitial lung disease that develops following repeated exposure to inhaled environmental antigens. The disease may become chronic in some patients resulting in the development of fibrosis which is associated with significant morbidity and mortality. We are interested in understanding how the innate immune system is activated by the environmental antigen *Saccharopolyspora rectivirgula* (SR) and contributes to the development of the chronic form of disease. Specifically, we are focused on two projects: 1) Identifying the pattern recognition receptors expressed by lung macrophages that are stimulated by SR components contributing to the exuberant immune response. 2) Understanding the effect of genetics on susceptibility to chronic HP using the BXD reference panel of recombinant inbred mice.



## Pranoti Mandrekar PhD

**Education:** MS., Biochemistry, University of Mumbai, India, 1986; PhD, Cancer Biology, University of Mumbai, Mumbai, India, 1991.

**Professional Experience:** Associate Professor in the Department of Medicine, 2011-Present, Co-Director of the Translational Science program, Graduate School of Biomedical Sciences at University of Massachusetts Medical School (UMASS), 2012-Present., Research Associate Professor, Dept. of Medicine, UMASS, 2008-2011, Research Assistant Professor, Dept. of Medicine, UMASS, 2001-2008, Post-doctoral training at UMASS, Worcester Foundation for Biomedical Research, 1991-2008.

**Honors and Awards:** Development and Outreach Committee, Society for Leukocyte Biology 2014; Invited Workshop Chair, and Symposia Chair, AASLD, The Liver Meeting, Boston, MA, 2014; Invited Session Chair, AASLD, The Liver Meeting, Washington DC, 2013; Invited Panelist, NIAAA-sponsored RSA satellite meeting, Animal models for alcoholic liver disease (ALD) and beyond: Can they help us move from bench to bedside? Orlando, 2013; Speaker and Organizer/Chair, Research Society of Alcoholism (RSA) Satellite Meeting, 2015, Speaker and Organizer/Chair, RSA Annual Meeting, 2014, Speaker and Organizer/Chair, RSA Annual Meeting, 2013, Plenary Speaker and Chair, 8th International Symposium on Alcoholic liver, Pancreatic disease and Cirrhosis, Delhi, India, 2013, UMMS Chancellor's Award for Advancing Institutional Excellence in Diversity 2012, Selected to attend the AAMC Mid-Career Women Faculty Professional Development (Nationwide selection) 2011, Organizer/Chair, Immunology Virology Program Research Retreat (IVP), UMASS 2010-2014, Keynote Speaker, Graduate Students International Meeting, ACTREC, Tata Memorial Center, Mumbai, India, 2010, Plenary Speaker, NIAAA 40th Anniversary Symposium, NIAAA/NIH, 2010, Plenary Speaker, AASLD Single topic conference, Pattern recognition receptors and innate immune signaling pathways in liver diseases, 2009, Young Investigator Award, International Symposium on Alcoholic Liver and Pancreatic Diseases and Cirrhosis, 2006, Session Chair, AIRIG, Chicago 2005-2006, Alcohol and Immunology Research Interest Group (AIRIG), Junior Faculty Award 1994-1997, Rajnikant Baxi Award, Indian Association for Cancer Research, 1989, Tata Research Fellowship Award, Cancer Research Institute, Bombay, 1986-1990, University of Bombay Merit Scholarship, 1984-1985; Funded with research grants from: Department of Defense and National Institute of Health.

**Professional Activities:** Regular member, Xenobiotic and Nutrient Disposition and Action (XNDA) 2015-Present; AASLD/ALF Joint Research Awards Committee, 2013-Present; NIH/NIAAA U01 Cooperative Agreement Applications, 2012; NIH/NIAAA/P50 Developmental/Exploratory Alcohol Research Centers, 2012; Ad Hoc Member, XNDA, HBPP Study Section, CSR, NIH, 2010-Present; NIH/NIAAA Special Emphasis Panel (ZAA1) 2009-2010; Challenge Grant Reviews (RC1), 2009; Abstract Review: AASLD, RSA, DDW Annual Meeting, 2006-Present; NIH/NIAAA/P20 Developmental/Exploratory Alcohol Research Centers, 2007; Regular Member, AA-1 Study Section, NIAAA/NIH, 2010-2014; Ad Hoc Member, AA-1 Study Section, NIAAA/NIH, 2005-2010; Ad hoc reviewer: Nature, Hepatology, J. Hepatology, Gastroenterology, Journal of Immunology, European Journal of Immunology, Journal of Leukocyte Biology, Am. J. Physiol. Gastrointest. Liver Physiol., Alcoholism: Clinical and Experimental Research, American Journal of Nutrition, American Journal of Physiology, European Journal of Pharmacology, Journal of Laboratory and Clinical Medicine, Life Sciences, Alcohol, BMC Gastroenterology; Editorial Board: World J. Gastroenterology, Inflammation Research, Biomedical Research International.

**Research Interest:** Mechanisms of activation and signaling pathways in innate immune cells; Cytokines and Chemokines in liver injury, fibrosis and cancer; Translational and pre-clinical research in liver diseases; Cellular stress responses and crosstalk with immune activation pathways; Toll-like receptor pathways and inflammation in steatohepatitis; Host defense and inflammation.



## David M. Underhill, Ph.D.

**Education:** Ph.D., Washington University in St. Louis, 1995; Postdoctoral fellowship Rockefeller University/University of Washington, 1999.

**Professional Experience:** Professor, F. Widjaja Inflammatory Bowel & Immunobiology Research Institute, and the Department of Biomedical Sciences, Cedars-Sinai Medical Center, Los Angeles, CA, 2013-present. Director, Ph.D. Program in Biomedical Sciences and Translational Medicine, Cedars-Sinai Medical Center, Los Angeles, CA, 2008-present. Professor-in-residence, Department of Pathology and Laboratory Medicine, UCLA, CA, 2015-present. Adjunct Professor, Center for Molecular Inflammation Research, Norwegian University of Science and Technology, Trondheim, Norway, 2013-present. Assistant/Associate Professor, Cedars-Sinai Medical

Center, Los Angeles, CA, 2005-2012. Assistant/Associate Professor-in-residence, UCLA, CA, 2005-2014. Senior Research Scientist, Institute for Systems Biology, Seattle, WA, 2000-2004.

**Awards and Honors:** Janis and William Wetsman Family Chair in Inflammatory Bowel Disease, 2009-present. Established Investigator of the American Heart Association, 2006. Irvington Institute Postdoctoral Fellowship, 1996.

**Professional Activities:** Editorial Board Member, Journal of Leukocyte Biology, 2012-present. Editorial Board Member, Journal of Interferon & Cytokine Research, 2013-present. Associate Editor/Section Editor, Journal of Immunology, 2005-2012. Chartered Member, III NIH study section, 2008-2011. Member, SSS-F NIH study section, 2002-2005. Crohn's & Colitis Foundation study section, 2011-2015.

**Research Interests:** For over a decade my laboratory has studied basic mechanisms of innate immunity. We have been particularly focused on the role of phagocytosis in macrophages and dendritic cells in modulating inflammatory signaling. We have made important contributions to defining Toll-like receptor ligands, characterizing Toll-like receptor signaling pathways, characterizing C-type lectin signaling pathways and in defining the role of microbial degradation in triggering innate immune responses including inflammasome activation. Current efforts in the lab focus on the interaction of the innate immune system with the bacterial and fungal microbiota of the intestines and other mucosal surfaces. We have developed novel approaches to defining the fungal microbiota in the intestines and are investigating the roles of fungi/antifungal immunity in inflammatory diseases of the gut.



**Mark A Wallet, PhD**

**Education:** Ph.D., College of Medicine, Microbiology and Immunology, University of North Carolina at Chapel Hill, 2006

**Professional Experience:** Assistant Professor, Department of Pathology, Immunology and Laboratory Medicine, University of Florida, Gainesville, FL, 2012-present; Research Assistant Professor, University of Florida, 2011-2012; Postdoctoral Fellow, University of Florida, 2007-2011; Postdoctoral Fellow, Department of Microbiology and Immunology, University of North Carolina at Chapel Hill, 2006-2007.

**Awards and Honors:** Member of the Society for Leukocyte Biology, and American Association of Immunologists (AAI). Participating member of the Human Islet Research Network [HIRN]. G. Phillip Manire Graduate Student Excellence in Research Award, University of North Carolina at Chapel Hill, 2005; NIH Pediatric Research Loan Repayment Award, 2008-2015; Young Investigator Awardee, 16th and 18th Conferences on Retroviruses and Opportunistic Infections, 2009 & 2011; Laura McClamma Fellow for Research in Pediatric Immune Deficiency, 2010-2011; Thomas H. Maren Junior Investigator Postdoc Award, University of Florida, 2011-2013; Postdoctoral Engagement Award, University of Florida, 2013.

**Professional activities:** Society for Leukocyte Biology, Professional Development Committee 2012-present; BMC Immunology, Associate Editor, 2012-present; Director of Postdoctoral Affairs, University of Florida, Gainesville, FL, 2013-present; Ambassador of the NIH Loan Repayment Program Network. Reviewer for Journal of Leukocyte Biology, Cellular Immunology, and BMC Immunology.

**Research Interests:** Mechanisms of innate immune cell development and function; macrophage and dendritic cell biology in autoimmunity and infectious disease; induced pluripotent stem cell models of human myeloid cells (macrophages and DCs); host factor regulation of host/pathogen interactions; genetic polymorphisms associated with human autoimmune disease;; molecular mechanisms of HIV-1 persistence in macrophages and CD4 T cells; reversal of HIV-1 latency from reservoir cells. Funded with research grants from NIH NIAID, NIDDK and NIDCR.



**Véronique Witko-Sarsat**

**Education:** Ph.D. Graduation 1995 Université Pierre et Marie Curie, Paris ; Abilitation for Research Direction (HDR), 2002 Université Paris Descartes, Paris, France

**Professional Experience:** Director of Research at INSERM (Institut National pour la Santé et la Recherche Médicale) (2006-present); Group leader at the Cochin Institute, Paris France in the department of Immunology, Inflammation and Infection (3I) of the team entitled : "Neutrophils and vasculitis Teaching in Master courses on inflammation; DU "Systemic diseases", DESC "Immunologie-Immunopathologie". Tutoring of 9 PhD Thesis, external reviewer in thesis (UK, Sweden, Ireland).

**Laboratories:** 1990-1996: “Immunology and autoimmunity” Pr Jean-François Bach INSERM U25, Necker Hospital, Paris; 1992-1994: Cellular Biology & Anatomy Department of Medicine, Pr Carl Nathan, Cornell University Medical College, New York, USA; May 1994 to Oct 1994: Pulmonary Branch Pr Joel Moss, National Heart, Lung and Blood Institute, NIH, Bethesda USA; 1997-2008: “Inflammation in nephrology” INSERM, Necker Hospital, Paris

**Awards and Honors:** 1993: Fellowship from Philippe Foundation, Inc.; 1994: Grant from the Guy Weissweiler Foundation; 1996: PhD Award of GREMI (Groupe de Recherche et d’Etude sur les Médiateurs de l’Inflammation); 1997: Jean Hamburger Award from The French Society of Nephrology; 2002-2005: Baxter Extramural Grant; 2006-2009: European Grant NEUPROCF; 2009-2012: ANR (agence National pour la Recherche) Grant GENOPAT; 2012-2014: Arthritis Foundation Grant; 2013-2015: ARC Grant (Association pour la Recherche contre le Cancer); 2013-2016: Vaincre la Mucoviscidose (French Cystic Fibrosis Foundation) Grant; Member of the Laboratory of Excellency: Labex INFLAMEX at the Université Paris Descartes and Paris Diderot. Councillor of the executive board of the GREMI (Groupe de Recherche et d’Etude des Médiateurs de l’inflammation) at the International Relations position ([www.gremi.asso.fr](http://www.gremi.asso.fr)); Member of the European phagocyte group, an international network dedicated to phagocyte biology ([www.phagocytes.net](http://www.phagocytes.net)); Member of the Women and Diversity initiative at the Society for Leukocyte Biology (2011); Coordinator of the “Neutrophil club” at the French Society for Immunology created in July 2014 ([www.sfi-immunologie.com.fr/pages/?idl=21&page=770](http://www.sfi-immunologie.com.fr/pages/?idl=21&page=770)). 12th World Congress on Inflammation, August 8-12, Boston, MA, USA.

**International meeting organization:** Member of the organizing committee of the 10th World congress on inflammation, Paris in 2011; Member of the organizing committee of the 16th International Vasculitis and ANCA workshop, Paris, 2013; Member of the scientific committee of “The neutrophil in immunity”, Québec 2012; Chair: First Colloque of the Neutrophil club, French Society of Immunology, 2015; Chair: First Institut Cochin Symposium: NF-kappa-B: From immunity to cancer, 2010; 6th Institut Cochin Symposium: Cell death and Autoimmunity, 2015.

**Invitations to international meetings:** 1998: The Japan-European Nephrology Forum Hakone, Japan; 2002: International Congress on Uremic Toxicity, Würzburg, Germany; 2008: European Society for Clinical Investigation meeting, Frankfurt, Germany; 2009: New functions of neutrophils Lübeck, Germany; 2010: 6th Apoptosis Meeting, Bern, Switzerland; 2011: 10th World congress

on inflammation, Paris; European League Against Rheumatism (EULAR), London, UK; 2012: Neutrophil in immunity, Quebec, Canada; 2013: Phagocyte Gordon Research Conference, Waterville Valley, NH, USA; European Congress of Immunology (ECI) Milano, Italy; 2015: 17th International Vasculitis and ANCA workshop, London

Member of the Editorial board of the “Journal of Innate Immunity”, Karger Press; Reviewer for the Journal for Leukocyte Biology, Blood, Nature Immunology, Journal of Immunology, European Journal of Immunology, Arthritis and Rheumatism

**Research Interests:** Molecular mechanisms involved in neutrophil functions in different pathophysiological conditions: cystic fibrosis, arthritis, anti-neutrophil cytoplasmic antibody-associated vasculitis. Role and function of different serine proteinases especially neutrophil elastase and proteinase 3, the target autoantigen in autoimmune vasculitis; Neutrophil apoptosis, clearance by macrophage and autoimmunity; Molecular mechanisms involved in the regulation of neutrophil survival and especially the role of the Proliferating Cell Nuclear Antigen (PCNA). Investigation of these mechanisms in leukemic cells.

## Society for Leukocyte Biology

### Bylaw Change Proposal – August 2015

Summary: The society Council puts forth a recommendation to the membership for a vote to make two changes to the bylaws. Currently, Article V of the society bylaws defines the society council as follows:

- ARTICLE V (Council)

There shall be a Council responsible for the fulfillment of the scientific and business obligations of the Society.

The current officers, the immediate Past-President, the Editor-in-Chief of the official Society journal(s), and eight additional Councilors shall constitute this Council. Councilors shall be elected to provide representation from the various areas of leukocyte biology research. Councilors shall be chosen by the membership of the Society for four-year terms, two to be elected each year.

The first proposed change adds an additional councilor who is appointed by Council (no member election) and takes the assigned role of Development and Outreach Chair. This position is defined in the current society handbook section 2.3 and has been in an acting role for the last few years.

The Council has determined this role to be of significant value and would like to formalize it with the addition of the following line to Bylaw Article V:

A ninth member of council is to be named via recommendations from the current council and by Presidential appointment. This ninth member of council is a voting member of council and serves a two year term and can be reappointed once. The primary duty of this individual is to seek financial support for the society from government and corporate sources.

The second proposed change also adds another position to Council. This position is to be titled "Associate Councilor". This position would be elected from the membership by majority vote along with other open council positions. The position has a two year term (versus the four year term of other Councilors) and is not renewable but individuals completing this term would be eligible for other future council positions. Candidates should have been appointed to a faculty or equivalent institutional position for no more than 4 years at the time of election. Tenure track is not a requirement. The purpose of this new position is to welcome into society leadership representation from more junior members. Candidate suggestions are welcome from all of the membership and the newly formed MTTG (Members in Transition and Training Workgroup) would be queried for suggestions as well. As with all SLB positions, current society membership is required. If approved, the first election for this position would occur in 2016 for a 2017-2018 term.

The Council proposes the addition of the following line to Bylaw Article V:

A tenth member of council is to be elected from the membership. This position is titled Associate Councilor and the individual serves a two year non-renewable term. Candidates should have been appointed to a faculty or equivalent institutional position for no more than 4 years at the time of election. Tenure track is not a requirement. Society membership is required as it is for all council positions.

## Congratulations to Andrea J. Tenner, Ph.D., 2015 SLB Honorary Lifetime Member Inductee



Dr. Andrea J. Tenner is internationally recognized as a leader in the immunological field of complement research and has been applying her expertise to study not only how this system influences protective response to pathogens and injury, but also to the detrimental role it may have in inflammatory disorders particularly autoimmunity and Alzheimer's Disease. Her research interests span Inflammation, Autoimmunity, and Neurodegeneration and Neuroprotection particularly as related to cognitive function. The goal is to understand the molecular interactions involved such that therapeutic interventions to limit damaging inflammation or enhance appropriate immune responses can be designed. Animal models as well as primary cell systems in human and mouse are being used to test hypotheses and explore therapeutic interventions.

A major focus of the Tenner lab has been to shine light on direct biological roles of the complement protein C1q that are independent of the rest of the complement pathway activities, and that contribute to the regulation of inflammation and autoimmunity in human systems. C1q plays a role in the efficiency of phagocytosis of apoptotic cells and cellular debris, and induces the expression of anti-inflammatory signals by human macrophages and dendritic cells that suppress proliferation of inflammatory, but not regulatory, T cell subsets. Demonstrating that C1q can be synthesized in the absence of the enzymatic components C1r and C1s in brain of mouse models, led to observations of similar anti-inflammatory polarization of microglia, the macrophages of the brain. More recently, a focus has been on the direct neuroprotective effect of C1q. Since the '90s her laboratory has explored the consequences of complement activation by fibrillar ( $\beta$ -sheet) amyloid plaques in Alzheimer's disease, demonstrating that the complement activation product C5a can contribute to the development and progression of Alzheimer's disease in mouse models. The potential targeting of this C5a-C5aR1 axis to slow or stop progression of this and other neurodegenerative diseases is a major focus of her lab today.

Dr. Tenner earned her Ph.D. at the University of California, San Diego. She subsequently conducted research at Scripps Institute and Research Foundation, La Jolla, California, the NIH and the American Red Cross Holland Laboratories in Rockville, Maryland. In 1992, Dr. Tenner joined the faculty at University of California, Irvine where she is currently Professor of Molecular Biology and Biochemistry, Pathology

and Laboratory Medicine, and Neurobiology and Behavior. Dr. Tenner served as Associate Dean for Research, UCI School of Biological Sciences (2007-2012) and is currently Director of the UC, Irvine Institute for Memory Impairment and Neurological Disorders (UC iMIND). Dr. Tenner's professional activities have included Section Editor for the Journal of Immunology, member of the NIH study sections (III and DDNS), Councilor for the Society of Leukocyte Biology, and President of the International Complement Society. Dr. Tenner received the UCI Emeritae/I Association 2005-2006 Faculty Mentorship Award, has been a Fellow of the American Association for the Advancement of Science since 1994, and was the 2014-15 recipient of the UC, Irvine Daniel G. Aldrich, Jr. Distinguished University Service Award, an award conferred to those who in addition to achieving distinction in their scholarly pursuits, have made sustained and outstanding contributions through service to the University.

## Pizza and Pubs Program, how did it begin?

*Submitted by Cortney Armstrong*

The idea comes from the time Luis Montaner (Editor-in-Chief, JLB) was walking through the streets of Oxford University as a graduate student and seeing flyers for upcoming meetings of the "Bible and Bottle Club" to take place at the pub (bar) in Jesus College (one of several Oxford Colleges). The idea of getting together to drink/eat and discuss is by far not original -- but the turn of words on "pizza n pub" gets its start from the Oxford flyer although of course we at SLB mean "pub"lication rather than at the local College bar...and replacing alcohol with pizza!

This year's participants in Pizza and Pubs Program are Dr. Coy Allen's laboratory from Virginia Tech.

### What are the requirements to qualify for participation in the Pizza 'n Pubs program?

At Virginia Tech, we utilized the Pizza 'n Pubs program to support a summer journal club series that was open to post-doctoral scholars, graduate students and undergraduates working on immunology focused projects in the Department of Biomedical Sciences and Pathobiology and in the Department of Biology. This was a great opportunity to keep the students engaged in science over the course of the summer.

### What is your research group's area of interest?

My research group focuses on innate immunity. Specifically, we are interested in the mechanisms associated with pattern recognition receptor signaling in the context of

host-pathogen interactions, inflammatory disease, and cancer. This includes both positive and negative regulation of signaling cascades associated with Nod-Like Receptors and Toll-Like Receptors.

### What journal article will you discuss at your next meeting?

At our next meeting, our SLB student member Dan Rothschild will be presenting a recent article from the Journal of Leukocyte Biology entitled, "Syk is involved in NLRP3 inflammasome-mediated caspase-1 activation through adaptor ASC phosphorylation and enhanced oligomerization".

### Has anyone in your group been published in the SLB?

We have not yet published in the Journal of Leukocyte Biology, but would certainly consider this as an option in the future.

### What are your group's favorite pizza toppings?

Pineapple/Ham (Hawaiian) and Jerk Chicken (Caribbean) seem to be popular with our group.



Front Row Left: Bettina Heid; Linette Aponte; Back Row Left: Corren Freeman; Daniel Rothschild; Right Side, from Left: Michelle Waligora; John Doren; Anastasia Karenyi.

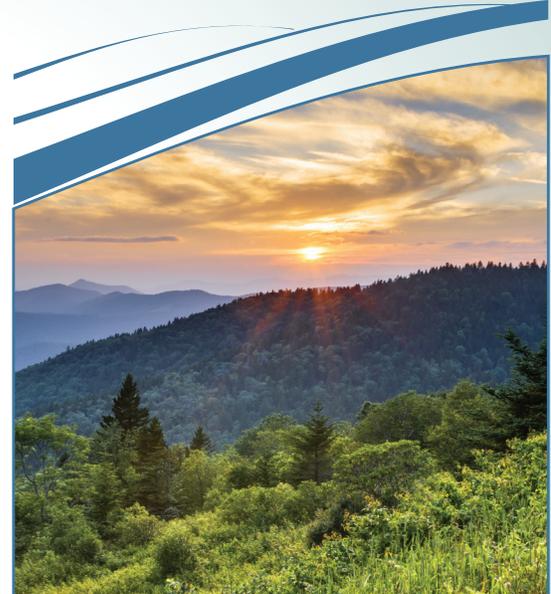


# Immunity in Health and Disease

September 27-29, 2015

North Raleigh Hilton, Raleigh, NC

Organizers: Nicholas Lukacs  
and Elizabeth Kovacs



**Abstract and Registration now open! Register at the early bird rate and submit an abstract for consideration by July 7th. Award applications also now being accepted.**

## Plenary Sessions

- Autophagy, Unfolded Protein Response, and ER Stress in Disease Progression
  - Epigenetics and Immunity
- Microbiome and Mucosal Immunity
  - Neuro-Immune Interactions
  - Metabolic Control of Immunity

## Concurrent Sessions

- Lipid Mediator Regulation of Disease
- Immunologic Mechanisms of Vaccination
- Inflammasomes and Inflammatory Disease
- Fibrosis and Tissue Repair
- DC and Macrophages in Tumorigenesis and Inflammation
- Treg/Th17 Balance in Inflammatory Disease
- Neutrophils in Health and Disease
- Best of Journal of Leukocyte Biology