



2018 Travel Awardees

[Learn more about the travel awardees online](#)

OFFICIAL NEWSLETTER OF THE SOCIETY FOR LEUKOCYTE BIOLOGY

iSLB

SOCIETY FOR
LEUKOCYTE
BIOLOGY

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Vol 3

IN THIS ISSUE

President's Message

by Lee-Ann Allen



I'm sure that all who attended will agree that the SLB annual meeting, held jointly with IEIIS, was a great success. From the satellites through to the final talk, the Arizona

desert provided a beautiful backdrop for an exchange of ideas and dissemination of the latest discoveries in leukocyte biology. Central to the success of the meeting were the organizers, David Underhill, Darren Lee and Egil Lien, as well as our Executive Director, Jennifer Holland, who ensures that SLB functions smoothly on a daily basis. In addition to travel awards and established awards that recognize excellence in achievement by members at all levels, the new 'first year lab award' was given to Juhi Bagaitkar, who is an Assistant Professor at the University of Louisville, whereas mentoring diversity awards were given to Kathryn Wood (University of Arkansas), Marcus Davis (University of Alabama) and Chyna Gray (Brown University). Lifetime SLB memberships were awarded to William Nauseef and Elizabeth Kovacs in recognition of their long-standing contributions to the success of the Society as former Presidents who remain actively involved in outreach, the *JLB*, workshops, and organization of satellite symposia. Enthusiasm for the poster flash talks and MTTG poster awards remains high, and I encourage everyone to fill out the annual survey as member feedback has led to many of our most successful new initiatives.

At this writing, SLB is 1,000 members strong, so please remember to renew your membership if you have not already! In as much as SLB continues to expand its presence in North America and in Europe, we are actively expanding outreach of the Society in Asia, as well as Central and South America. This is facilitated by our partnership with Wiley and via SLB-sponsored guest symposia at other conferences, such as the XII Congress of the Latin American Association of Immunology (ALAI) that was held in Mexico last May. In addition, Nick Lukacs and Silvia Uriarte are working with Pablo Baldi and others to develop ties between SLB, *JLB* and the Society of Argentinian Immunology (SAI). Further updates on outreach will be featured in future issues of this newsletter.

It is with great sadness that I also report the passing of my friend and colleague, Julian Gomez-Cambronero. Julian will be remembered for his warm heart and generous spirit as well as for his many contributions to the field of phagocyte biology and his commitment to SLB. His research elucidated new facets of PLD signaling and function, including its role as a Rac GEF and its aberrant regulation in breast cancer. As some of you know, Julian chaired the Professional Development Committee for several years, organizing workshops on grant writing at the annual meeting. In addition, he was recently elected to SLB Council, and began his term earlier this year. Additional information about Julian is available in this newsletter and on the SLB website.

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Editors' Message

by Vijaya Iragavarapu

This is our last issue of iSLB for this year! We have had another busy year. We thank our president Dr. Lee-Ann Allen for her wonderful service this past year and welcome Dr. Nick Lukacs as president-elect.



The annual meeting in Arizona was a great success! There were many excellent oral and poster presentations; including many highlighted "flash talks" by junior members as well as award winners and an excellent Keynote Lecture by Dr. Mary Dinaver. In addition, the pre-program special interest group sessions were well-attended and two morning workshops were packed each day! The Professional Development workshop on the topic of "Team Science" and the Women and Diversity workshop on "Effectively Communicating Science" provided great information and were interactive. Don't forget to check out the SLB website for information related to the Team Science

President's Message con't

As the end of 2018 approaches, I would be remiss not to thank the outgoing SLB Councilors, Claire Doerschuk, Bruce Walcheck, Anne Periera and Diane Bimczok for their service and commitment to the Society. Thus, I also welcome Cherie Butts and Domenico Maviolo as new Councilors beginning their terms in 2019, along with Jonathan Riecher as Councilor and Development Chair, and Jui Bagaitkar as Associate Councilor. Vijaya Irgavarapu-Charyulu will also join SBL Council, filling the position previously held by of Julian Gomez-Cambronero.

Finally, please mark your calendars for the 52nd Annual SLB Meeting which will be held in Boston, November 15th-18th. Cherie Butts and Silvia Uriarte have assembled an exciting and diverse program around the theme of 'Tissue Specific Immunity: Translating our Discoveries,' and proposals for several special interest group satellites are begin considered.

That is all for now. Happy Holidays and Happy New Year!

Editor's Message con't

workshop. Once again, the MTTG provided a great workshop, this year on State-of-the-Art high resolution imaging modalities. Also check out the photo collage from the annual meeting as well as other meetings that SLB and JLB participated in this year!

Many society awards were given this year, so please read our section in this newsletter on awardees. Also, read the story by Dr. Julia Bohannan, a previous G. Jeanette Thorbecke awardee, on her perspective and highlights following her award.

For those exploring career options, our interview by Katherine Martin, describes the transition from academia to specialization in scientific data visualization and digital media.

As always, thank you to Jen Holland for all her help throughout the year including with the iSLB newsletter! Thank you also to all the SLB members and leadership for another successful year. Best wishes for the holiday season and a great 2019!

Silvia Uriarte's lab and their Halloween creativity!



Where Art and Science Collide: Career Perspectives

by Katherine Martin

While we traditionally think of scientific careers being limited to academia or industry, there are so many more opportunities out there for researchers that won't leave you chained to a lab bench. In this issue of the iSLB we hear from Dr Andrew Lilja, a post doctoral fellow working in 3D modelling and animation, which aims to take complicated scientific concepts and bring them alive using artwork and animation. As well as working for a University, Dr Lilja is also a budding entrepreneur and has started a small business called Square Cell which caters for



anyone wanting to create visual scientific content including journal figures, cover art, 3D models and animations. Largely self-taught and highly motivated, this is Andrew's story.

Q: What is your current job and what exactly does that involve?

A: I work as a Postdoctoral Fellow in the 3D Visualisation Aesthetics Lab in Sydney, Australia, led by A/Prof John McGhee. By combining my science background with newly-acquired computer visualisation skills, I create digital visualisations that help unravel the complexities of biomedical concepts. We use the latest software and technology to develop computer-generated storytelling animations or immersive virtual reality experiences to aid in science discovery, education and public outreach. It's a very unique role to say the least.

Q: Why did you decide to become a biomedical animator and tell me about your journey to get there?

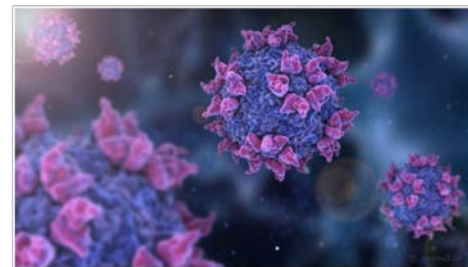
A: I've had a creative streak for as long as I can remember, and it's always been related to the natural world. As a kid, I'd make spiders out of FIMO and in my graphics class in high school I drew an intricate illustration of a microscope that I borrowed from my biology class. When it

came time for decisions, I chose the biomedical science field as not only did I find it fascinating, but the job prospects looked promising. After a long stint as a research scientist, the creative itch niggled again, and I began creating images to explain my research (I spent far too long illustrating my PhD thesis!).

Over the years, I discovered that 3D modelling and animation software could be used for science concepts, largely attributed to the stunning work that biomedical animator pioneer Drew Berry was doing across the road at WEHI. I began to spend hours after work or on weekends tinkering with this software and found that it pushed all my buttons. Eventually, I dropped to part-time work in the lab after my PhD to teach myself the software and techniques for science visualisation. Once colleagues new about my art skills, I took on several freelance jobs to help them with their own visualisation challenges. The demand got to a point where I was able to transition full time to freelance biomedical animation – nothing like jumping into the deep end!

Q: How did you find out about your current career and what type of experience did you need to get this job?

A: Biomedical animation has really come a long way in the last decade and particularly in the last few years due to the increased access and usability of industry software. Before then, it was barely recognised as a viable career. The



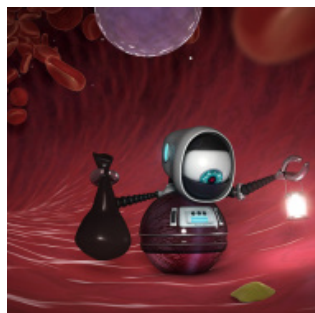
boom in access to digital content, including smartphones and social media, has really opened the door to opportunities in this field and researchers are becoming increasingly aware of the value in communicating their research.

Once I realised that people were making a living from biomedical visualisation, I reached out to as many as I could by email to ask about their pathway and tips for finding jobs. As a 31 year old at the time, I was concerned about changing fields and starting from scratch. It became clear, however, that as long as you could show skill in your field and passion for the field, a

formal degree was not necessarily required. I had tried several times to get a job at animation studios, but they always said that I needed more experience. So I kept working on freelance jobs and personal projects so bolster my folio to a level worthy of employment.

Q: Did you need to do any specific training to get a job in this field?

A: The beauty about this work is that your skills and knowledge have nowhere to hide – they are there, splashed into millions of pixels for all to see. Really, just a strong folio that shows you know the fundamentals of art, design and technical competency for the software is all you need to get a job in this area. In saying that, because the concepts we are illustrating involve complex science – a formal degree in science (Bachelor or Master level) is fairly necessary. It's then just a matter of skilling up in the visualisation techniques, which can be done several ways. There are formal masters degrees in biomedical communication (University of Toronto, for example), or more general 3D design courses that will give you the skills needed.



Due to several reasons (time, cost, location) I was predominantly self-taught using online subscriptions (Gnomon Workshop, Digital Tutors) and short courses (Cert II in Fundamentals of 3D Animation – Academy of Interactive Entertainment). Then there's YouTube – you can essentially become an expert if you have the time to go through all the relevant content, and it's free. Finally, hard copies of software guides (e.g. Mastering Autodesk Maya, Sybex) will take you to the next level.

Q: How would you describe a typical work day?

A: After the obligatory morning coffee to get the creative gears turning, a typical workday involves a mix of standard research roles, digital development and application testing. As the research is funded by the Australian Research Council (ARC), we have set targets for research projects which involves developing and answering research questions related to science visualisation. When it comes to hands on work, some days are spent in 3D modelling

and animation programs making content for science storytelling, while other days I can be found in a gaming engine developing virtual reality applications to immerse a user in data-driven scientific environments.

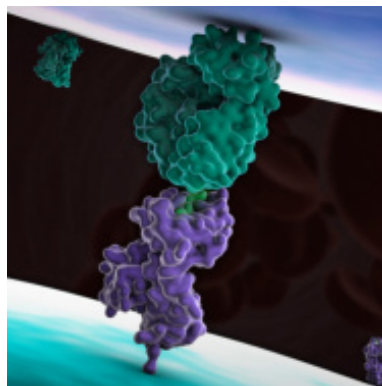
Q: What is your favourite part of your job and what do you enjoy least?

A: Probably the best thing about my job is the ability to create a virtual environment on the screen, but then don the latest VR headset and actually *step* into that world I just created and interact with my designs. When worlds come alive like that it's an awe-inspiring feeling – a real wow moment. The least favourite aspect would be writing code and scripts, but luckily, I use 'non-programmer-friendly' visual scripting solutions such as Playmaker and Bolt that (mostly) bypass the need to learn code. I can sense the disapproving looks from my programmer colleagues as I type this.

Q: Can you tell us about an interesting project you were working on and if possible, could you share a link to any of your artwork or animation videos?

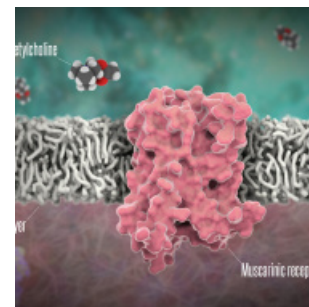
A: We are doing some really interesting work with collaborators in the field of bio-nano research, whereby we are bringing nanoparticle distribution data from PET-CT scans into virtual reality, allowing immersive and interactive 3D spatial data analysis. We plan to evaluate the potential of this platform for its use as a discovery tool and for educational purposes. Our current projects can be found here <https://artdesign.unsw.edu.au/3dval-projects>.

In terms of personal projects, I've recently set up a business with a friend and fellow University of Melbourne alumni, Dr Nicki Cranna. It's called SquareCell and it's a collective of really talented science-trained artists. We offer services to anyone requiring the production of visual science content such as journal figures, cover art, 3D models or animations. The value of quality visualisations for communication, outreach or grant applications really cannot be underestimated.



Q: This job is a step away from the lab bench, do you miss the lab or are you happy you made the change? How connected do you still feel with the academic world?

A: Part of me does miss the challenge of lab benchwork, and the satisfaction you get when you obtain tangible experimental



results (for some reason I always liked doing ELISAs). I miss the hands-on aspect of benchwork too, I felt that a lot of the work like cell culture, assays, making reagents etc was more like a craft than a job, and seriously, scientists get to play with some super cool reagents! On the other hand, it's hard work, and I don't miss the long experimental days or coming in on weekends to attend to experiments, or the frustration when an experiment doesn't work technically.

I'm very content with my decision to change careers – and working at a university means that I'm still very much in touch with academia, although in a different field altogether. I still get to read scientific research papers to understand the content I'm making, so I'm certainly still relying on my academic training on a daily basis.

Q: Do you have any advice for people looking to move away from academia or into the field of 3D Computer Art?

A: I would just advise to follow your passion and things will work out. Doing something that you love will drive you to put in the effort required to learn new skills and take the leap into a new path. It's a competitive field, and it can be tough to find work especially in Australia, so it's important to be serious about the change. At the start, make sure you have a financial fall-back option like part-time work or a day job to pay the bills. First, test the waters with a few small projects and chose topics that you love (it makes the learning easier and more

enjoyable). Reach out to as many mentors as possible – these should be the people whose work inspires you the most – trust me, they will be thrilled you made contact. When you are a little more serious, set up an Australian Business number (or your countries equivalent) and complete a few small freelance jobs for colleagues or collaborators. Keep your academic contacts close – these will be your best clients and word-of-mouth marketers later on. Finally, get your work out there – presence is key: create a website or ArtStation profile and set up social media channels, then post, post, post!

Q: If people want to know more about what you do and the animations you create how could they look you up?

A: There are a few ways to find me; I'm currently most active on Twitter though ashamedly relatively social-media inept – I only recently learned how to post Instagram stories!

Personal Twitter: @andyilija
Work Twitter: @3DVAL
SquareCell Twitter: @squarecell
or visit our site at
www.squarecell.com.au

In Memory: Julian Gomez-Cambronero

by William Nauseef

September 29, 1959 to November 12, 2018

Julián Gómez-Cambronero joined the faculty at Wright State University in 1995 and rose through the academic ranks to become a Professor of Biochemistry and Molecular Biology. His productive but shortened career ended November 12 of this year, when he succumbed to an aggressive malignancy.

Julián's biomedical expertise was in the biochemistry, cell and molecular biology of signaling in phagocytic cells, with special emphasis on phospholipases, particularly phospholipase D. However, his curiosity and passion extended beyond biochemistry and embraced astronomy and science education for children. Although Julián was an excellent and productive scientist, his greatest gifts were unbridled enthusiasm and the power to bring joy to others. In a word, he was *soulful*.

An ebullient figure, Julián raised the spirits of everyone he met. His joyful energy was a positive force even when facing challenges, including those engaging unqualified and unimaginative reviewers. What impressed me most during a visit to his laboratory was the mutual affection between him and his team -- graduate students, postdoctoral scholars, and



research assistants alike. All the rigor and industry in the lab was colored by the lightness and kindness of Julián's demeanor.

Julián's enthusiasm

and warmth were contagious and enriched all members of the Society for Leukocyte Biology who interacted with him. Julián was the engine driving the SLB Professional Development Committee for many years, initiating workshops that were incredibly popular and successful and that yielded a publication on how to write a grant (Cambronero *et al. Nat Immunol* 13:105-108, 2012) Julián was newly elected to the SLB Council just before his illness interrupted his life.

Julián and I were friends for many years, having met at a Phagocyte Gordon Conference when he was a postdoctoral scholar in the labs of Drs. Elmer Becker and Ramadan Sha'afi at University of Connecticut. Like many colleagues in SLB and beyond, I consider it my good fortune to have had Julián as a friend. Although Julián's passing saddens all who knew him, we can take solace in knowing that his goodness and generous spirit have inspired others to follow suit and in that way many of us are better humans because of Julián.

More Losses in 2018

SLB lost several active, contributing members this year. Please read more about [Vito Pistoia](#), [Andrei Medvedev](#) and [Tom Jerrells](#) online.

NRMN MyMentor Perspectives

by Archana Gopalakrishnan

As a scientist, have you ever wondered about under representation in research? Have you felt, as a young scientist, unsure of what the world of research could offer you, conflicted whether to confide in your colleague or your mentor? It turns out that NIH has also realized this growing discontent and uncertainty in budding STEM professionals and has sought to create an opportunity for inter scientific communication. National Research Mentoring Network (NRMN)- a consortium was created as part of the Diversity program to provide mentoring prospects for the scientific community. I recently joined the NRMN MyMentor program as a postdoctoral mentor. I seek mentees who are undergraduate or graduate level students with an interest in biomedical science. I offer guidance on any level to these students. Every mentor-mentee relationship is different. Some mentees are looking to create a network, while others are looking for clarity in their career path. Often mentees are lost when they hit a career related problem and are unable to decide who to confide in. In many instances, students are unhappy in their labs, depressed with lab work and are looking for someone with direction. Often times they are hesitant or averse to communicating these problems with their lab/thesis mentor. NRMN provides such mentees a platform to reach out to other experts in the field to offer them career advice. As a mentor, you might just about find a perfect summer intern or undergraduate research trainee for your lab in a mentee. My recent mentee is such an inspiration to me. They are keen in pursuing their PhD in Biomedical Sciences and want to enhance diversity in STEM field, besides having a passion for science writing and teaching. I have come to believe that being a mentor with NRMN teaches us more about the dreams and stories of tomorrow's successful scientist and if we can in any way contribute to their betterment, why wouldn't anyone not want to participate?! [Become a mentor today with NRMN](#) and make the scientific community more approachable.



SLB Mentoring Diversity Awards



2018 was the inaugural year for the SLB mentoring Diversity awards. Hear from two of the awardees and how this award helped in their professional development.

-- Attending the annual SLB conference as a Mentoring and Diversity Award recipient was a phenomenal experience. As an awardee, I was paired with a mentor whose insight and guidance helped me take full advantage of the exceptional events and lectures offered. I participated in informative workshops, made use of ample networking opportunities, and shared my graduate research with accomplished scientists. This exposure is a powerful supplement to my graduate training and growth as an immunologist. I highly recommend applying for this award and attending the Society for Leukocyte Biologist conference to all scientists in the early stages of their career. (*Chyna Gray*)

-- As an inaugural award recipient of the Society for Leukocyte Biology's Mentoring and Diversity Travel Award, I felt very honored to be selected. My experience was excellent, as this was my first large meeting presenting my work. I found the environment very encouraging, and I learned a lot from the other faculty and student presenters. Overall, through the mentorship as well as camaraderie with other award winners, I found this experience to be very rewarding to my growth as a researcher and scientific communicator. (*Kathryn Woods*)

2018 AWARDEES



Dolph O. Adams Awardee
Melissa Lodoen,
UC Irvine

[Read her bio...](#)



Jeanette Thorbecke Awardee
Qing Deng, *Purdue*

[Read her bio...](#)



Women & Diversity Paper of the Year Awardee
Amanda Jamieson,
Brown University

[Read her bio...](#)



Legacy Keynote Lecturer
Mary Dinauer,
WUSTL

[Read her bio](#) and [hear her keynote presentation](#).

SLB Presidential Student Awardees:

1st Place Charles Yin, *Western University*

2nd Place Mandi Roe, *Montana State University*

3rd Place Amanda Pulsifer, *University of Louisville*

SLB Presidential Junior Faculty/Postdoc Awardees:

1st Place Prajwal Gurung, *University of Iowa*

2nd Place Matthew Long, *University of Washington*

[Learn more about the winners....](#)



First Year Lab Travel Award



Juhi Bagaitkar, University of Louisville

REMEMBER TO RENEW FOR 2019!

SLB is about community. In addition to the extensive [awards program](#), SLB offers a network of likeminded researchers with a common goal. The [journal](#) continues to be an impactful resource for members to present their work while growing its reach to scientists globally. The meeting continues to be one of the best opportunities to present your work, reconnect with old friends, and find new colleagues with which to collaborate in a unique, small meeting setting. SLB offers numerous opportunities to make a difference through committee and council positions (even for junior members!) and the ability to plan your own special interest group session at the annual meeting. Continue to be part of SLB into 2019 and encourage your colleagues and students to join as well. Growing the voice of the scientific community can only happen when there are enough voices!

[Email](#) to learn about renewing, joining, volunteer opportunities, and more...



SLB Around the World

SLB has been growing our presence around the globe through guest sessions, trainee awards at other meetings, and special focus JLB issues. Here is just a sample of where SLB went in 2018. Have an idea of uncharted territories for SLB? [Email us!](#)

Brazilian Society for Immunology 2018 Conference Ouro Preto, MG, Brazil



JLB table staffed by
Maria Alice Lopes



SLB/JLB Travel
Awardee: Theresa
Ramalho



SLB/JLB Travel
Awardee: Renan
Carvalho

TOLL2018 Porto, Portugal

SLB/JLB Travel
Awardee: Jack
Green



SLB/JLB Travel
Awardee: Carlos del
Fresno Sánchez



SLB/JLB Travel
Awardee: Tomohiko
Okazaki



Neutrophil2018 Quebec City, Canada

SLB/JLB Travel Awardees: Maya Gershkovitz
And Nicolas Jung



ECI2018 Amsterdam, Netherlands

ECI SLB Session
speakers and chairs:
Veronique Witcko-
Sarsat, Tobias Dallenga,
Margarita Dominguez-
Villar, Justin Perry,
Pieter Leenen

5th European Congress



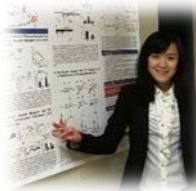
Guangdong Society of Immunology Macau, China

JLB table staffed by
Miss Young Yang
and Mr. Yibo Chen



NADPH Oxidases GRS Les Diablerets, Switzerland

SLB Travel
Awardee:
Yao Li



SLB Travel
Awardee:
Sjoerd van
der Post



JUNIOR MEMBERS – GET INVOLVED IN LEADERSHIP ROLLS!

SLB is very focused on fostering the next generation of researchers. Through the Associate Councilor position, MTTG activities, Professional Development workshops, and numerous awards, SLB supports our Junior members. One of the best ways to advocate for yourself and expand your reach in the research community is to get involved in societies like SLB. SLB is unique in providing Junior members with leadership roll opportunities. Interested in getting involved? [Email](#) and volunteer today.

Past Awardees: Where Are They Now?

There's no denying the investment SLB has made in our members through generous meritorious awards. See below for 3 perspectives of how SLB awardees have progressed in the field.

Julia Bohannon

In 2002, one year after the passing of the internationally recognized immunologist, Jeanette Thorbecke, MD, PhD, the Society of Leukocyte Biology instituted the G. Jeanette Thorbecke Award in her honor, which recognizes a deserving young female investigator each year. I was honored to be selected as the recipient of this prestigious award in 2017, in recognition of my early career success in the field of burn immunology research. This award, in part, played a direct role in leading to my selection as the recipient of two additional awards this year from my undergraduate institution. As part of the Thorbecke award, SLB interviewed me for the iSLB newsletter Spring 2018 edition. I shared this interview with my undergraduate mentor, Dr. Pat Calie, at Eastern Kentucky University, where I received my bachelor's degree in Biology in 2003. Dr. Calie shared this interview widely with his colleagues at EKU, and you can find it linked on all of their Biology Department web pages. Shortly thereafter Dr. Calie asked me for my CV. Unbeknownst to me, he then nominated me for two separate alumni awards offered by EKU: 1. The EKU College of Science Award,



the college's "highest honor presented to individuals who have made impactful contributions to the college"; 2. The EKU Professional Achievement Award, which recognizes alumnus of EKU who have "achieved prominence professionally, made significant contributions to society, and served fellow man". I was very honored to be selected by separate selection committees as one of the recipients for each of these awards in 2018. As the recipient of the College of Science Award, I received the honor of being invited to deliver the annual Alumni Lecture for the College of Science in September during their Celebration of Science and

Mathematics Week. I had the opportunity to share with faculty and students my professional journey and how my personal experiences shaped my path, which was one of the most personally impactful experiences of my career thus far. I also had the chance to speak one-on-one with students and give a departmental seminar on my research. This visit led to an invitation to visit the University of Kentucky in the Spring of 2019 as an invited speaker to share my research with multiple departments. I returned to EKU again in October to receive the Professional Achievement Award during



Homecoming Week. I am very proud to represent my alma mater, as there are not a lot of success stories out of rural eastern Kentucky. I am so thankful that SLB gave me such an opportunity by highlighting my success through the Thorbecke Award.

Laura Healy



After being named a SLB Presidential award student finalist in 2016, the excellent feedback I received from the expert attendees in Italy contributed to the work I presented being eventually accepted for publication. I then successfully defended my PhD and started a postdoctoral fellowship at The Scripps Research Institute in the lab of Dr. John Griffin. Most recently, my invited review article was published in the *Journal of Leukocyte Biology*, Special Focus Issue: SLB Initiative – Negative Regulators of Inflammatory Signaling Cascades, the review is entitled "Regulation of immune cell signaling by activated protein C" (doi: 10.1002/JLB.3MIR0817-338R). I'm looking

forward to participating in future SLB meetings, they're an invaluable platform to learn and network with both peers and experts in the field.

Nicole Topfner

The travel grant offered me the brilliant possibility to chair the session on emerging topics and methodologies in neutrophil biology.



Meeting with other excellent researchers working in the fields of neutrophils intensified existing and opened doors for new collaborations as well as highly interesting discussions. Some of the aspects presented on the SLB meeting in Verona and advances of my neutrophil and eosinophil projects as well as the RTDC device can be followed by reading e. g. the selected publications:

Detection of human disease conditions by single-cell morpho-rheological phenotyping of blood.

<https://dx.doi.org/10.7554/eLife.29213>

Mechanical deformation induces depolarization of neutrophils.

<https://dx.doi.org/10.1126/sciadv.1602536>

Metabolic Profiling of Human Eosinophils.

<https://doi.org/10.3389/fimmu.2018.01404>

Real-time fluorescence and deformability cytometry.

<https://doi.org/10.1038/nmeth.4639>

2018 Conference Materials are Still Available Online and in the WHOVA App!

Looking for the 2018 program, abstracts, keynote recording, or conference photos? Would you like to review the Team Science presentation? All these resources remain available [online](#) and in the [event app](#).

[SEE ALL THE ARCHIVED 2018 MATERIALS](#)

2019 Legacy Lecturer Awardee: Ann Richmond



Dr. Richmond is Ingram Professor of Cancer Biology and Professor of Pharmacology and of Dermatology at Vanderbilt University. In addition, she holds a Senior Research Career Scientist Award with the Department of Veterans Affairs. Her research has focused on the role of chemokines and their receptors, with a special focus currently on the role of chemokines in the recruitment of anti-tumor and pro-tumor leukocytes into the tumor microenvironment. Currently she is using targeted therapies that enhance the recruitment of CD8 T effector cells, dendritic cells, and natural killer cells into the tumor to facilitate the response to immune checkpoint inhibitor therapies in malignant melanoma and breast cancer models.

Dr. Richmond received a B.S. from the University of Louisiana at Monroe. She then earned a M.N.S. from Louisiana State University, followed by

the Ph.D. in developmental biology at Emory University and postdoctoral work in the School of Medicine, Emory University. Her postdoctoral work led to the purification, cloning and characterization of MGSA, now known as the chemokine, CXCL1. After continuing these studies as a faculty member at Emory, she moved to Vanderbilt University in 1989 where she has remained for the remainder of her career. She organized the first Chemokine Gordon Research Conference in 1994. At Vanderbilt, she served as Assistant Dean of Biomedical Research, Education and Training (2005-2010), as Vice Chair of the Department of Cancer Biology (2000-2017). She is currently Director of the Program in Cancer Biology, Associate Director of Basic Education for the Vanderbilt-Ingram Cancer Center and has held an Ingram Endowed Professorship since 2005.

Dr. Richmond is a member of the Society of Leukocyte Biology, the American Association for Cancer Research, the American Society for Cell Biology, the Society for Immunotherapy for Cancer, the International Cytokine and Interferon Society, the Melanoma Research Society, and she is a Fellow of the American Association for Advancement of Science. She received the William S. Middleton Award for Outstanding Achievements in Biomedical Research from the Department of Veterans Affairs, the Charles R. Park Award for Outstanding Contributions to Research for Basic Research into Physiology and Pathophysiology. She is a full-time member of the CAMP NIH study section, and has served on many other VA and NIH study sections over the past 30 years. Dr. Richmond has been active in many committees and other activities. She served as a council member and President of the Society for Leukocyte Biology, as Treasurer and then Secretary for the International Cytokine Society, and is an Associate Editor for the *Journal of Leukocyte Biology* and has served on the editorial boards of the *Journal of Biological Chemistry*, and the *Pigment Cell and Melanoma Research* journal and she reviews for many journals, including *Nature Reports*, *J Cell Biol*, *Blood*, *FASEB*, *Cancer Research*, *Clinical Cancer Research*, *Oncogene*, *Cancer Discovery*, *JCI*, *Science Translational Research* among others.

SLB Trainee Awardees

Too many to show in the newsletter, the SLB Ambassadors have been very busy this year seeking out the best and brightest new researchers. Please join us in welcoming our newest trainee awardees and read more about them [HERE](#). If you would like to become an SLB Ambassador and provide these awards to deserving new researchers, [email us](#) for certificates and instructions.



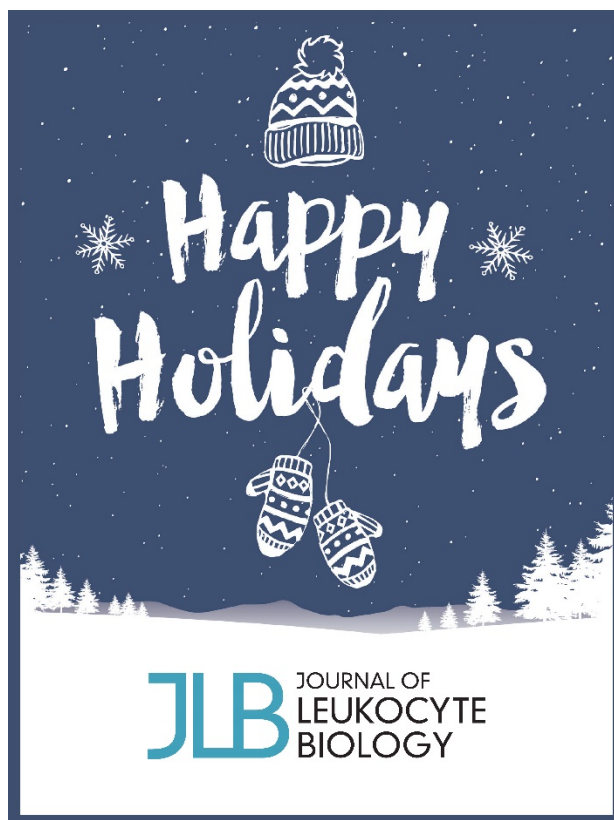
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[Membership](#)
[Meetings](#)
[Administrative Office](#)



Best wishes for the season and New Year ahead. We look forward to another great year with our members in 2019!

**52nd ANNUAL MEETING OF THE
SOCIETY FOR LEUKOCYTE BIOLOGY**

Tissue Specific Immunity: Translating our Discoveries

**November
15-18, 2019**

Westin Copley Place
BOSTON, MA

2019 TOPICS

- Mucosal Immunity
- Autoimmune Disease
- Changes in Tissue Immunity with Aging
- Resolution of Immune Responses
- Immunity in the Lung
- Innate Immune Response to Infection
- Acquired Immunity in Cancer
- Acquired Immune Response to Infection
- Innate Immunity in Cancer

2019 INVITED SPEAKERS

- Bruce Levy
- Richard Ransohoff
- Veronique Witko-Sarsat
- George Hajishengallis
- Allison Criss
- Prosper Boyaka
- Arturo Zychlinsky
- Kate Fitzgerald
- Esma Yolcu
- Elizabeth Kovacs
- Avery August
- Tom Wynn
- Claire Doerschuk
- Sergio Catz
- Giorgio Trinchieri
- Jean Lim
- Marco Cassatella

**KEYNOTE
LEGACY LECTURER**

Ann Richmond

Vanderbilt University

**"Targeted Therapies
that Enhance Response
to Immune Checkpoint
Inhibitors"**

**SOCIETY FOR
LEUKOCYTE
BIOLOGY**