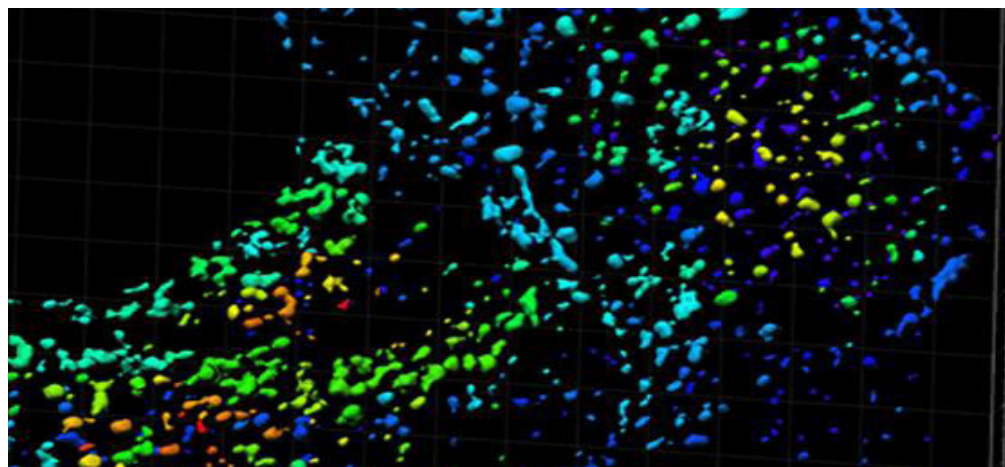




A Message from HCS President Elect, **Margarida Barroso**

Margarida Barroso is President-Elect of The Histochemical Society and an Associate Professor at the Albany Medical College, Albany, New York. Her main research goal is to accelerate pre-clinical drug discovery by developing novel imaging assays to screen and optimize the delivery of targeted anti-cancer drugs. Research is focused on the visualization, quantitation and optimization of drug delivery into cancer cells using receptor-targeted approaches.

Basic cell biology questions such as iron-mediated endosome-mitochondria interactions as well as the organization and regulation of the endocytic recycling pathway in human cancer cell lines are also a major focus of Dr. Barroso's research.



Shown here is the mainstay of her research; the endocytic pathway as visualized by fluorescently labeled transferrin. The function of transferrin is to carry iron into the cells via the transferrin receptor, which is highly overexpressed in cancer cells. The pseudo color shows depth position within the cell with the color range showing the 3D distribution of vesicles containing transferrin throughout the cell.

To learn more about Dr. Barroso and her research please visit her website at: www.amc.edu/Profiles/BarrosM.cfm

Join or Renew your membership today!

NEW FOR 2016 - paid members receive complimentary manuscript fees for JHC

Online subscription to the Journal of Histochemistry & Cytochemistry (print optional for regular and associate members)

Eligibility for HCS sponsored meritorious awards for the HCS annual meeting at Experimental Biology and the IHCN course at MBL

Opportunity to present papers, exchange ideas, and network with leading researchers in the field at HCS annual meetings

Membership in FASEB

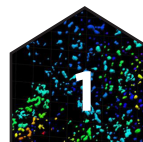
Reduced registration for Experimental Biology meetings (HCS annual meetings held in conjunction with EB)

Affiliation with the International Federation of Societies for Histochemistry and Cytochemistry

Informative Society Newsletter

Advocacy for research funding through our membership in FASEB

**Go to the website to join/
renew today!**





The Histochemical Society Education Committee Undergraduate Capstone Research Grants

The HCS Education Committee's main mission is to further the education of current and future histochemists by encouraging and exciting students (and their instructors) about the usefulness of histochemical applications. One step in accomplishing our mission will be to encourage undergraduate researchers to effectively utilize histochemistry in research projects. Our first step to encourage undergraduate research and Society participation is the establishment of HCS-sponsored grants targeting undergraduate students.

To help the Society accomplish this goal, the HCS will be offering six \$500.00 Capstone Research Grants to be awarded to undergraduates who are using or will use histochemical techniques in their research. The development of undergraduate-focused capstone grants will accomplish several purposes. Not only will the grants help to excite undergraduates about the Histochemical Society, but also demonstrate the invaluable information that can be gained by these techniques. In addition, this will increase exposure of the Histochemical Society to the larger scientific community. We hope that this will increase undergraduate membership in the HCS, with the specific goal of increasing undergraduate abstract submissions for the HCS Annual Meeting and Experimental Biology.

If you are currently mentoring undergraduate students (or are an undergraduate yourself!), we hope that you will encourage them to apply. Application information can be found on the HCS website (Jen - can we include a some sort of description as to where this will be found?).

Questions may be directed to Scott Tanner
(stanner@limestone.edu; 864-488-4500).



The HCS 2016 meeting will be here in just a few weeks! Please see below for a final reminder of the HCS events at EB2016.

HCS Annual Business Meeting and Award Reception

Sunday, April 3, 2016, 6:00-8:00pm
Marriott Marquis Marina Hotel,
Room Temecula 1/2

Join fellow HCS members at the annual meeting and celebrate our awardees. Refreshments and a light meal will be provided. *RSVP Required*

Open HCS events

Please add these events to your EB schedule. No special registration required!

HCS Booth #1731

Sunday, April 3rd – Tuesday, April 5th
San Diego Convention Center Exhibit Floor
Come learn more about what's new for HCS and receive a gift. Special "Meet the EIC" times Monday, April 4th and Tuesday, April 5th from 12-1pm - don't miss this opportunity to speak directly with Stephen Hewitt, JHC EIC!

HCS Symposium: The 3D Brain: From diffusion MRI to Ultrastructures

Sunday April 3, 2016, 8:30-10:30am*

JHC Lecture: Multiscale Optical Imaging of the Living Brain

Sunday April 3, 2016, 10:30-11:30am*

Sessions of Interest:

Minisymposium: Imaging Pathology: How to Catch Light in a Bottle

Saturday, April 2nd, 8:30-11:00am
San Diego Convention Center, Room 5A

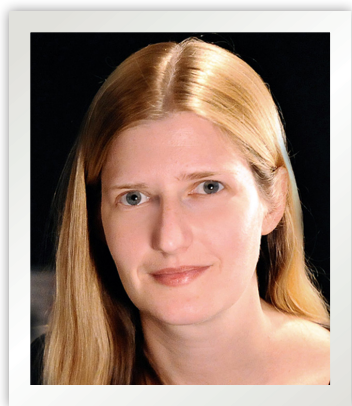
ASIP Symposium: Molecular and Cellular Foundations of Glial Oncogenesis: Hints for Prevention and Therapy

Sunday, April 3rd, 2:00-5:00pm*

ASIP Scientific Interest Group Networking Discussions and Poster Discussions

Tuesday, April 5th, 5:30-7:30pm
San Diego Convention Center, Ballroom 20BC

*See the full EB program for location information



Dr. Elizabeth Hillman, JHC Lecturer Profile

Dr Elizabeth Hillman is an Associate Professor of Biomedical Engineering and Radiology, and a member of the Zuckerman Mind Brain Behavior Institute and Kavli Institute for Brain Science at Columbia University. Dr Hillman completed her undergraduate degree in Physics, and PhD in Medical Physics and Bioengineering at University College London and subsequently worked as Manager of in-vivo spectroscopy for a Boston-based startup company. She then became a postdoctoral fellow and later junior faculty at Massachusetts general hospital / Harvard medical school at the Martinos center for biomedical imaging.

Dr Hillman started her lab at Columbia University in 2006, where she has developed a range of novel approaches to in-vivo optical imaging across scales, including Dynamic Contrast small animal molecular imaging, Laminar Optical Tomography, Hyperspectral two-photon microscopy and most recently SCAPE microscopy for very high-speed 3D imaging of the living brain. Her lab also has an active research program applying these imaging tools to studying neurovascular coupling in the healthy, diseased and developing brain.

HCS 2016 Program Details Molecular and Cellular Basis of Disease | Sunday, April 3rd

HCS/ASIP SYMPOSIUM:

The 3D Brain: From diffusion MRI to Ultrastructures

Symposium Chair(s): Douglas L. Rosene, Ph.D. and Margarida Barroso, Ph.D.

8:30 - 9:30 am

Diffusion MRI of the Brain Connectome: Problems and Possibilities

Van J. Wedeen, MD, Harvard

9:10 - 10:10 am

High-resolution Structural and Molecular Imaging of the Brain

K. Chung, Ph.D., MIT

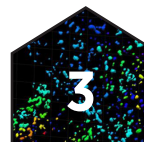
JOURNAL OF HISTOCHEMISTRY & CYTOCHEMISTRY LECTURE

Symposium Chair(s): Stephen Hewitt MD, Ph.D

10:30 - 11:30 am

Multiscale Optical Imaging of the Living Brain

Elizabeth M.C. Hillman Ph.D., Columbia University



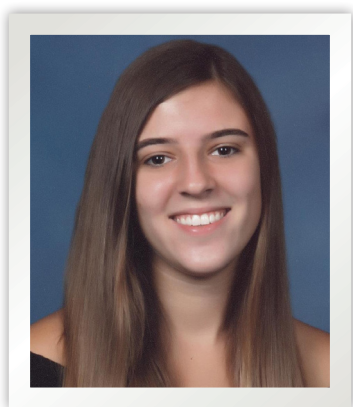


Congratulations to the 2016 HCS Awardees **Elizabeth Stietzle** and **Amanda Prechtl**



Amanda Prechtl

Amanda is a Postdoctoral Scholar in the Department of Pathology and Laboratory Medicine at the Medical University of South Carolina. She received her Ph.D. in Cancer Biology from the University of Texas Southwestern in the laboratory of Dr. Gray Pearson before doing a Postdoc at the University of Hawaii Cancer Center under the guidance of Dr. Joe Ramos. She currently works with Dr. Steven Carroll on identifying mechanisms of invasion and metastasis in malignant peripheral nerve sheath tumors.



Elizabeth Stietzle

Elizabeth Stietzle, a native of Long Island, NY, is an undergraduate student at Kansas State University and will be graduating this May with a Bachelors of Science in Animal Sciences and Industry. She will be starting at Kansas State University's College of Veterinary Medicine this Fall as a member of the DVM class of 2020. She has worked as an undergraduate research assistant in the Davis Lab for the last year on Rift Valley Fever Virus Immunohistochemistry (IHC) as well as digital microscopy analysis of IHC for an influenza A research project.

IMAGING PATHOLOGY: HOW TO CATCH LIGHT IN A BOTTLE MINISYMPOSIUM

Consider adding this minisymposium to your EB2016 schedule. Featuring talks by HCS President-Elect Margarida Barroso and past HCS leaders Richard Levenson and JJ Otero.

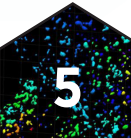
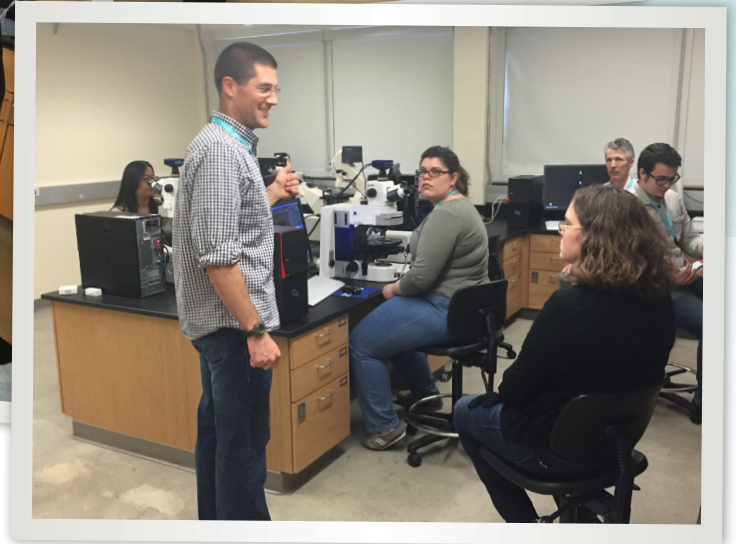
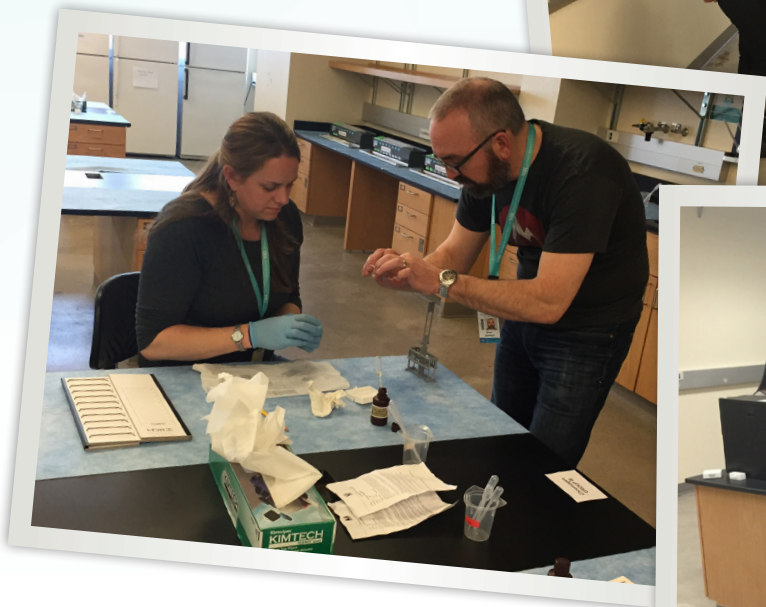
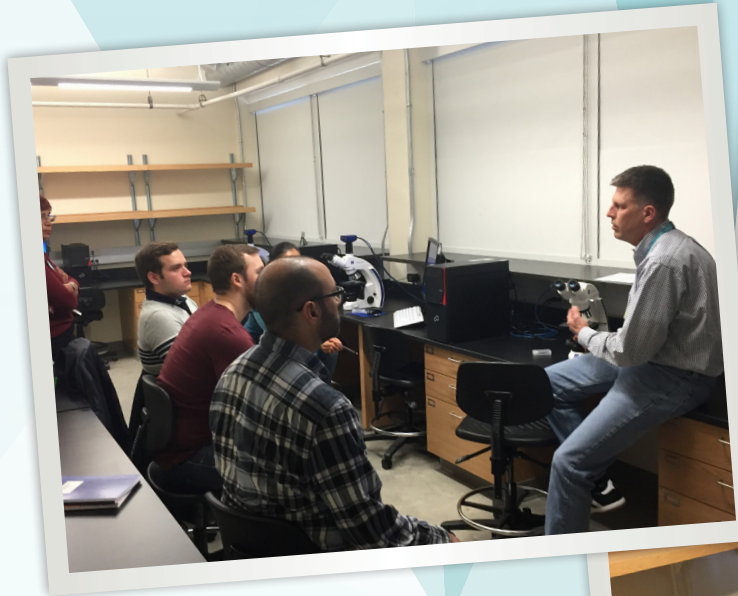
Sat. 8:30 AM | San Diego Convention Center, Room 5A



The Histochemical Society Newsletter

MBL Course 2016

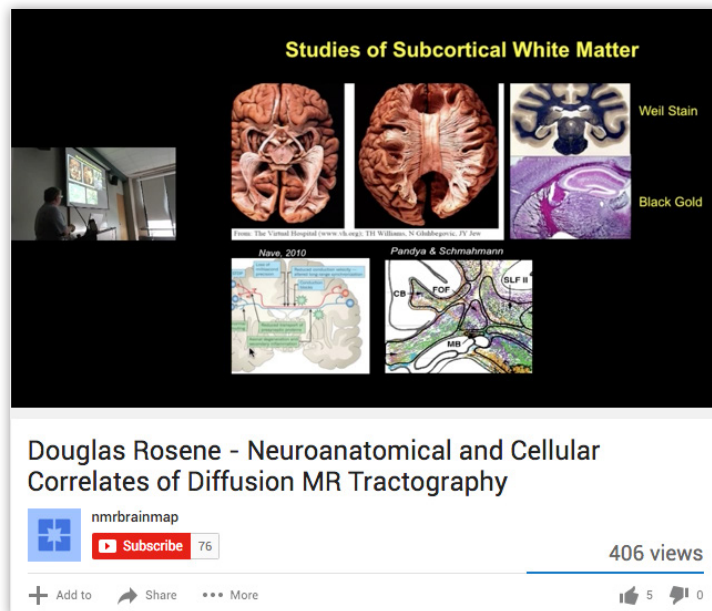
Look in the next issue for a summary of the 2016 Woods Hole Course!





Learn from HCS President Douglas Rosene

CLICK HERE to watch a YouTube presentation titled "Neuroanatomical and Cellular Correlates of Diffusion MR Tractography: What are we Really Seeing?"



From the Executive Director, Jennifer Holland

I've enjoyed becoming more familiar with the society over the last few months and greatly appreciate the transition assistance provided by Bill Stahl. 2016 will be a great year for HCS!

The Education Committee made quick work of forming a committee from scratch and getting right onto the business of initiating the Capstone Grant program. Look in this newsletter for more information about that program and be sure to encourage your students to apply.

The Communication Committee has been talking about expanding their social media reach while the Publication Committee is exploring their role in supporting the new Editor in Chief, Stephen Hewitt. EB2016 will be a great opportunity to meet many of you. I look forward to the Council and Editorial Board meetings where the leadership will discuss strategic planning for the direction of the society and journal.

Please enjoy this first newsletter of 2016 and feel free to contact me anytime (jholland@faseb.org) with questions or ideas about the society.

