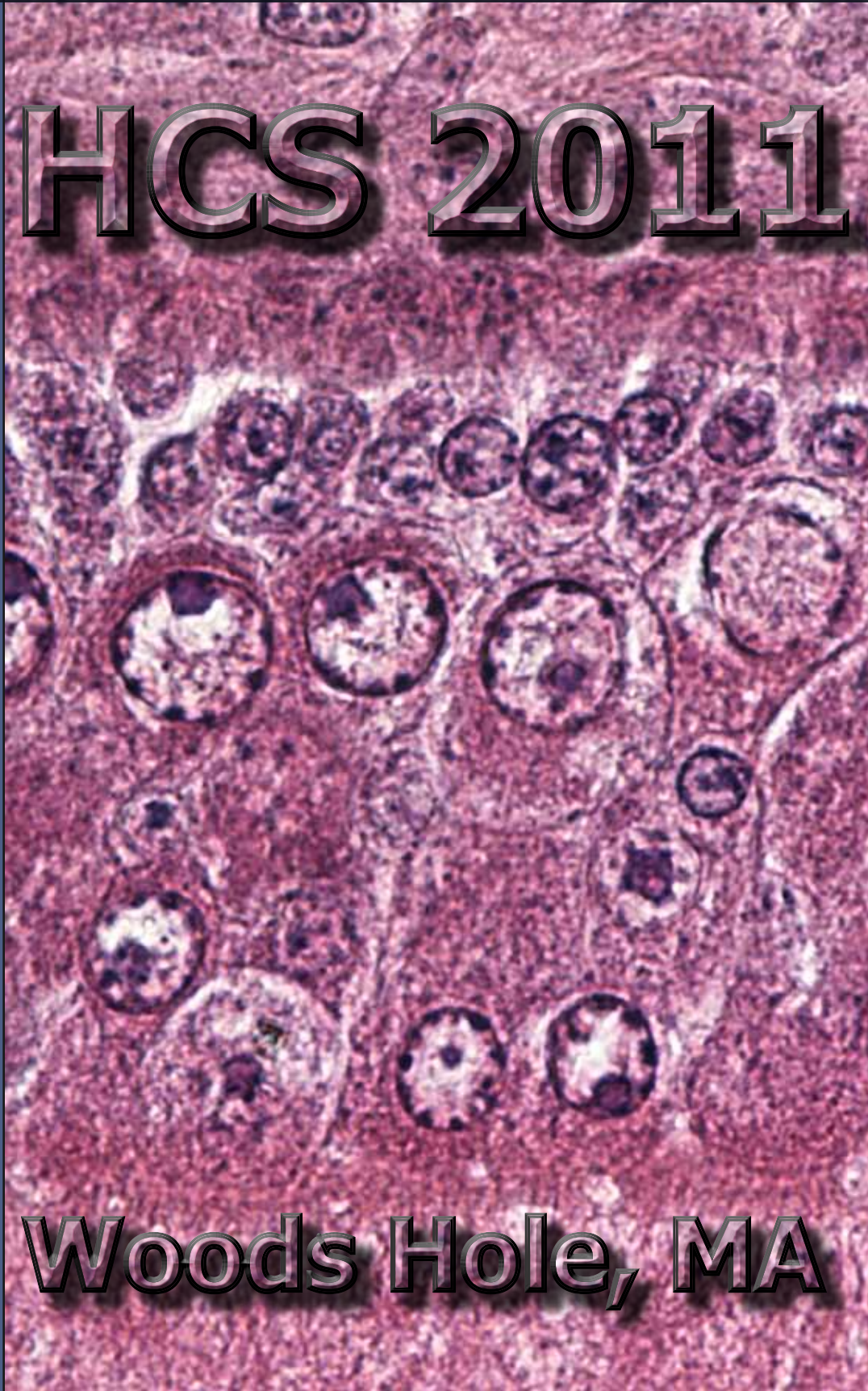




The Histochemical Society NEWSLETTER

Fall 2010

Vol. 23 Number 4



HCS 2011

Woods Hole, MA

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A Letter from the HCS Executive Director



Dear Members of HCS,

Plans for our **2011 Scientific Meeting** and **Hands-on Short Course** are progressing well. We will again have the opportunity to meet at the Marine Biological Laboratory at Woods Hole, MA. The Hands-on Short Course is from March 27th to 30th and the 2011 Scientific Meeting is from March 30th to April 1st - mark your calendar now!

President Eduardo Rosa-Molinar and President-Elect Nancy Sawtell have developed a timely and exciting program which will focus on **post-translational changes in proteins, with emphasis on phosphorylation at specific sites and immunohistochemical detection with state-specific antibodies**. This is well timed because the use of modification-specific antibodies presents opportunities to monitor the consequences of protein phosphorylation in a spatial context in cells and tissues. Additionally it presents unique challenges that are often overlooked and require consideration of pitfalls that may affect interpretation of results obtained using immunohistochemistry.

2011 will be the fourth year that The Histochemical Society (HCS) has sponsored a short course focused on immunohistochemistry and the second year that we will offer the opportunity for participants to be closely involved with both theory and lab practice associated with performing successful immunohistochemical studies.

The 2010 course was sold out and it is essential to register early for the 2011 course if you or a colleague, student or laboratory technician plan to attend. Since this is a hands-on course, space is limited by the availability of laboratory facilities to only 40 participants.

In order to assist your planning for the Woods Hole meetings you will find the preliminary schedules for the upcoming HCS Short Course and the Annual Meeting on the following pages.

I look forward to seeing you at the MBL in March.

Best wishes,
Bill Stahl
Executive Director, HCS

Registration is Open...

for the HCS Annual Meeting and Hands-On Short Course at the Marine Biological Laboratory at Woods Hole, MA. Places in the immunohistochemistry course are limited so early registration is recommended. The course was sold out in 2010.

Please visit the website below to register:
<http://www.regonline.com/histochemistry2011>

Find information about HCS Awards to support attendance at the annual meeting or short course at:
www.histochemicalsociety.org/

HCS Hands-On Short Course Immunohistochemistry & Microscopy March 27-30, 2011 Marine Biological Laboratory

SUNDAY, MARCH 27

Noon-5 PM Arrival and Registration.

6-7 PM Dinner at MBL

7:30-9 PM Technology Review: Optical Microscopy (this is optional)

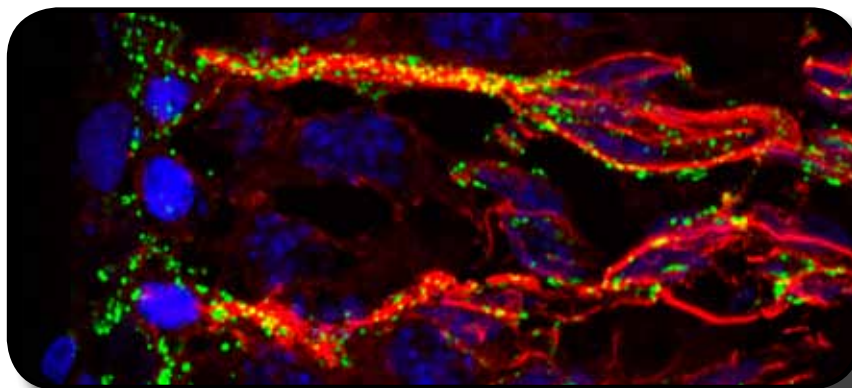
MONDAY, MARCH 28-WEDNESDAY, MARCH 30.

The remaining schedule for these days will be available soon. The course is planned to end around noon on the 30th. Lectures and laboratory sessions will begin at 8 AM and will be finished by dinner time each day. Laboratories will be available for students to finish work in the evenings as needed. Optional demonstrations will also be available in the evenings.

Course content will include:

Overview of IHC
Chromogen Detection
Fluorescence Detection Strategies
Controls
Fixation
Antigen Retrieval
Basic Anatomy of Tissues used in the Lab Sessions
Image Processing and Ethics
Amplification Methods
Microwave Processing in IHC
Tutorial: How to Analyze Images for Co-localization
Troubleshooting

Image Courtesy of
M. Fukasawa et al.
J. Histochem & Cytochem
58:195-206, 2010



Histochemistry 2011

Immunohistochemistry & Microscopy of Modified Forms of Proteins

March 30-April 1, 2011

Marine Biological Laboratory, Woods Hole, MA

Preliminary Schedule

(subject to changes)

WEDNESDAY, MARCH 30

Noon-4 PM	Registration
4-6 PM	HCS Welcoming Reception
6-7 PM	Dinner
7:30 PM	JHC Plenary Lecture: <i>John Condeelis</i> , Albert Einstein College of Medicine, Bronx, New York

THURSDAY, MARCH 31

7-8 AM	Breakfast
8-10 AM	1. Overview of Protein Phosphorylation 2. Development and application of phosphorylation site-specific antibodies to nuclear receptor signalling 3. Development and application of phosphorylation site-specific antibodies to cytoplasmic receptor signalling
10-10:15 AM	Refreshment Break
10:15-11:15 AM	4. Validation of phosphorylation state-specific antibodies – an overview 5. Proximal ligation assay: a solution to the phosphorylation state specific antibody specificity problem?
11:20AM-12 PM	Round table discussion: phosphorylation related topics
12-1:30 PM	Lunch with four moderated breakout sessions
1:30-3 PM	Poster Session 1
3:15-5 PM	Technology Review 1: Microwave Processing Technology Review 2: Optical Microscopy Technology Review 3: Imaging/co-localization Technology Review 4: Immunohistochemical quantification
6-7 PM	Dinner
7-9 PM	HCS/JHC Business Meeting: Reports, Awards, Reception

FRIDAY, APRIL 1

- 7-8 AM Breakfast
- 8-10 AM
1. Antibodies overview
 2. Imaging protein phosphorylation
 3. Quantification of phosphorylation state-specific proteins in fixed tissues: quantitative immunohistochemistry
- 10-10:15 AM Refreshment break
- 10:15-11:15 AM
4. Quantitative in situ detection of phosphorylation state-specific proteins in fixed tissues: quantum dot nanoparticles
 5. Phosphorylation state specific antibodies: applications in investigative and diagnostic pathology
- 11:20-12 PM Round table discussion 2: phosphorylation related topics 2
- 12-1:30 PM Lunch with four moderated breakout sessions
- 1:30-3:00 PM
- Technology Review 5: Microwave Processing (continued)
Technology Review 6: Optical Microscopy (continued)
Technology Review 7: Imaging/colocalization (continued)
Technology Review 8: Immunohistochemical quantification (continued)
- 3-4 PM Marine Resources Center Tour
- 4-5 PM Poster Session 2 with refreshments
- 6-8 PM Dinner/Farewell reception

SATURDAY, APRIL 2

- 7-8 AM Breakfast and depart MBL

DEADLINES

Awards and Abstracts: Monday, January 10, 2011
Early Registration: Monday, February 21, 2011

HCS Call for Nominations – 2011 Election

HCS members are invited to submit nominations for the following positions on the HCS Council:

President-Elect
Secretary –Treasurer
Councilor

The President-Elect and Secretary-Treasurer shall have served on the Council for at least one year prior to the start of their terms. Candidates for Councilors shall have held membership in the Society for at least two consecutive years prior to the start of their terms.

As stated in the HCS By-Laws, the President-Elect, in the case of inability of the President to be available to perform his or her duties, shall assume the duties of the President; be an ex-officio member of all committees, unless noted otherwise; and perform other duties as may be delegated by the President. At the end of the President's term of office, the President-Elect shall automatically assume the office of President. The President-elect shall serve in this position for two years, as President for two years and as immediate Past-President for two years.

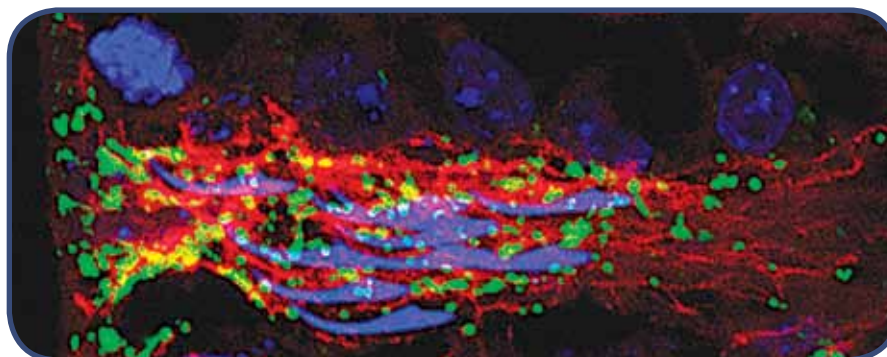
The Secretary-Treasurer shall be responsible for review of receipts and disbursements in the manner usually pertaining to this office; serve as chair of the Finance Committee; present a financial report at each Council meeting at the annual Business Meeting, and at other times specified by Council; and perform other duties as may be delegated by the President. The Secretary-Treasurer serves for a period of three years and may be re-elected to this position.

Councilors help to set policy, provide governance for the operations of the Society, and perform duties as may be delegated by the President. Councilors typically serve for a period of four years.

Please send nominations to Dr. Stahl at: wlstahl@uw.edu. These will be reviewed and a slate of candidates will be prepared by the Nominations Committee, chaired by the Immediate Past-President.

DEADLINE for NOMINATIONS: NOVEMBER 1, 2010

*Image Courtesy of
M. Fukasawa et al.
J. Histochem & Cytochem
58:195-206, 2010*



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