



# NEWSLETTER

Spring, 2009

Editor: Geza S. Bodor  
Denver, Colorado

## President's Letter

C. Bruce Alexander

Dear ACLPS Members:

The Spring of 2009 has been a busy time for the Academy and its active committees. We entered this academic year with the following goals:

- Continue to follow our objectives in advancing the highest standards of education in laboratory medicine at medical schools and related curricula
- To encourage and promote the highest standards in residency training and post graduate education physicians and scientists in clinical pathology and medical schools
- And thirdly, to encourage and promote the highest standards of service, education, research and academic medicine.

I would like to report that under the leadership of Dr. Mitchell Scott and his program committee and with the assistance of Drs. Anthony Butch and Kathleen Kelly we will have an excellent program for our 44<sup>th</sup> annual meeting in June hosted by University of California at Los Angeles.

With the assistance of Dr. William Roberts and an ad hoc finance committee we have developed a financial plan and investment policy for the academy. This will be presented at the business portion of our annual meeting in June. I would like to thank Dr. Roberts and team in advance for their due diligence.

Past President Dr. Brian Smith has worked hard with the Nominations Committee to bring forward a fine slate of candidates.

Regarding the support of Young Investigators I would like to thank Dr. Alex McAdam and his committee as they have reviewed and approved a near record amount of abstracts for the Young Investigator Awards for the summer meeting.

ACLPS continues its interest in clinical pathology skills acquired by all clinical pathology residents. To this end we have conducted our second annual survey of the program directors section of the APC (PRODS) and the results of this survey regarding clinical pathology training will be

presented at the business meeting.

ACLPS also continues to have a strong presence with the Resident In-Service Exam (RISE) produced by ASCP and contributed to by ACLPS members.

Our relationship as one of the Cooperative Societies of the American Board of Pathology is lead by Dr. Ed Ashwood. He is our liaison to the American Board of Pathology.

In addition we would like to thank Dr. David Chou for his tireless efforts in supporting the ACLPS website and adjusting

to the many demands put upon him for website corrections and updates.

In summary it has been a busy fall and winter session and we look forward to Spring and an excellent meeting with our colleagues at UCLA.

Despite the economic challenges of travel we encourage all members to try to attend this excellent meeting and to support ACLPS and our common objectives.

C. Bruce Alexander

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## 2009 ACLPS Award Recipients

Two awards will be presented to outstanding scientists during our annual meeting. These awards are The Cotlove Lectureship Award and The Ellis Benson Award.

### The Cotlove Lectureship Award:

Dr. Cotlove was a founding member of ACLPS. Following his untimely death in 1970, ACLPS established the Cotlove Lectureship. This award is presented to a scientist (member or non-member of the academy) for outstanding contributions to the science of laboratory medicine.

### The 2009 Cotlove Lectureship Award Recipient:

**Owen Witte, M.D.** is Professor of Microbiology, Immunology, and Molecular Genetics at the University of California, Los Angeles, where he holds the President's Chair in Developmental Immunology. He is also Professor of Molecular and Medical Pharmacology at the David Geffen School of Medicine, UCLA; and Founding Director of the Institute for Stem Cell Biology and Medicine recently renamed as the Eli and Edythe Broad Center of Regenerative Medicine and Stem Cell Research at UCLA. He received his B.S. degree from Cornell University, his M.D. degree from

Stanford University, and completed his postdoctoral training at the Massachusetts Institute of Technology.

Dr. Witte's research interest includes studying cell growth regulation and differentiation, the functions of oncogenes active in human leukemias, including the Bcr-Abl tyrosine kinase. He is also studying the regulation of lymphocyte growth in disease and during immune responses. His discoveries include the gene defect in the primary immunodeficiency X-linked agammaglobulinemia affecting the gene called Bruton's tyrosine kinase. Recently, he identified a G protein-coupled receptor family which regulates inflammatory

responses and autoimmunity and are studying its mechanisms of action.

Dr. Witte's honors include the Milken Foundation Award in basic cancer research, the Rosenthal Award of the American Association for Cancer Research, the Dameshek Prize from the American Society of Hematology, the Warren Alpert Foundation Prize, and the de Villiers

International Achievement Award from the Leukemia and Lymphoma Society. He is a member of the American Academy of Arts and Sciences, the American Academy of Microbiology, the National Academy of Sciences, and the Institute of Medicine of the NAS. Dr. Witte was named the 2007 UCLA Faculty Research Lecturer. He currently serves on several editorial and advisory boards.

#### The Ellis Benson Award:

This Award is the premier award of ACLPS to a young faculty member in recognition of meritorious accomplishment in the field of laboratory medicine. The Award honors the pioneering work of Ellis Benson in promoting research, service and teaching in laboratory medicine.

#### The 2009 Award Recipient:

**Michael Hodsdon, MD, PhD** is an outstanding physician-scientist in the field of protein biophysics and NMR spectroscopy, with a central focus on the structural biology of cytokine-receptor interactions along with secondary interests in intracellular protein trafficking and ubiquitination, and with coordinate clinical interests in Clinical Chemistry.

He reported the first experimentally determined tertiary structure of the hormone prolactin, a member of the family of hematopoietic cytokines, and described the molecular dynamics of its protein backbone in aqueous solution. His recent discovery of pH-dependent conformational fluctuations in this cytokine, which appear to regulate both its global stability and kinetics of binding to the prolactin receptor, have suggested interesting consequences for the biology of this ligand-receptor complex.

Dr. Hodsdon received his MD-PhD from Washington University where he worked

with David Cistola. He completed his Laboratory Medicine residency at Yale and remained there following residency, rising to the rank of Associate Professor of Laboratory Medicine and Pharmacology. His research work is funded by NIAID and NCI; he is Co-Chair of the Bioengineering study section for the American Heart Association.

His teaching efforts have been recognized with the Yale Pathology Residency Teaching Award. He has been the Director of the Toxicology and Therapeutic Drug Monitoring Laboratory of Yale-New Haven Hospital since 2001, in which capacity he has established a very active and well-respected consultative presence and has championed leading edge tandem mass spectrometry and other proteomic technologies for clinical use.

## ACLPS Bylaws, Proposed Changes 2009

Dear ACLPS members,

The ACLPS Executive Council is recommending modification to the ACLPS bylaws. You can read the new section at the bottom of this email.

This involves the creation of a new ACLPS Education Committee. This committee will coordinate ACLPS activities that involve pathology and laboratory science education, including resident/fellow training and continuing education. Education has long been a major focus of ACLPS, and the Executive Council believes that creation of this new committee will improve our effectiveness in this area. Note that the Education Committee will not overlap with the Program/Finance Committee; the latter will continue to have responsibility for the annual meeting.

This bylaws change will be put up for vote at the business meeting that concludes the upcoming annual meeting. For those of you who have not yet registered for the meeting, I encourage you to submit your registration and make your travel plans.

Brian R. Jackson, MD, MS  
Medical Director of Informatics, ARUP Laboratories  
Assistant Professor of Pathology (Clinical), University of Utah

The text of the new bylaws section is reproduced below:

### **Section 10.5: Education Committee**

- A. The Education Committee shall consist of nine (9) members: a Chair, the ACLPS Representative to the American Board of Pathology, and no more than 7 additional members. All positions shall be for staggering terms of three years and all can be renewed indefinitely. All candidates shall be nominated by the Nominations and Awards Committee, approved by the Executive Council, and voted on by the membership. Other nominations may be made from the floor at the Annual Business Meeting and upon seconding the nomination, the name will be placed on the ballot and submitted to the membership for vote. All persons who are nominated must indicate their willingness to serve. If a member of the Education Committee is unable to serve, he/she shall be replaced by the President with the approval of the Executive Council.
- B. The responsibilities of the Education Committee will include: (1) providing liaison to the American Society of Clinical Pathology (ASCP) Resident In-Service Examination (RISE) Committee, for as long as a relationship exists between ACLPS and ASCP to jointly produce this program; (2) development and implementation of all other educational activities of the Academy, whether carried out by the Academy solely by itself or jointly with other organizations, including continuing medical education activities and development of educational curricula in the field, but excluding the educational aspects of the Annual Meeting which shall be the province of the Program & Finance Committee.

# Academy of Clinical Laboratory Physicians & Scientists 44<sup>th</sup> Annual Meeting

**Crowne Plaza Hotel  
Redondo Beach, CA  
June 4 – 6, 2009**

The target audience for this meeting includes; Physicians, Laboratory Directors, Scientists and Educators primarily engaged in teaching, research and service in academic medicine.

The learning objectives for this meeting are as follows:

- Discuss the application of Nanotechnology in clinical practice and research
- Describe emerging technologies that are being applied in the clinical laboratory
- Recognize the role of Laboratory Medicine in Individualized Medicine
- Understand the use of Biomarkers in clinical practice

## **Thursday, June 4, 2009**

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| 1:00 pm – 6:00 pm | Registration<br><i>Lobby Crowne Plaza Hotel</i>  |
| 1:00 pm – 3:00 pm | Executive Council Meeting<br><i>Crowne Plaza Hotel, Location TBA</i>   |
| 3:00 pm – 5:30 pm | <b>Nanotechnology Tutorial:<br/>Nanotechnology in Clinical Practice</b><br><i>Crowne Plaza Hotel, Location TBA</i>   |
| 3:00-3:50 pm      | <b>Shad Thaxton, M.D., Ph.D</b><br>Assistant Professor, Dept Urology, Northwestern University<br><u>Polyvalent Gold Nanoparticles for Diagnostic Applications</u>  |
| 3:50-4:40 pm      | <b>Michael Teitell, M.D., Ph.D</b><br>Professor, Depts Pathology & Lab Medicine and Pediatrics,<br>Chief of Division of Pediatric & Developmental Pathology,<br>UCLA David Geffen School of Medicine<br><u>High Throughput Single Cell Biomechanics in Health and Disease</u>                                      |
| 4:40-5:30 pm      | <b>Paul Mischel, M.D, Ph.D</b><br>Professor, Depts Pathology & Lab Medicine, and Molecular and<br>Medical Pharmacology, Scientific Director of the Sarkaria<br>Biomarkers program and co-director of the Cancer Stem Cell<br>Program UCLA Institute for Stem Cell Biology, UCLA David<br>Geffen School of Medicine |

Personalized Approaches towards the Development of  
Molecularly Targeted Therapies for Glioblastoma: Integration of  
New Technologies to Quantify Signal Transduction in Patient  
Samples

6:00 pm – 9:00 pm

Welcome Reception  
*Portofino Hotel & Yacht Club, Pacific Ballroom*

**Friday, June 5, 2009**

7:30 am – 8:30 am

Roundtable Discussion Breakfast & Registration

8:30 am – 10:00 am

**Young Investigator Presentations (5 simultaneous sessions)**  
*TBA*

10:00 am – 10:30 am

Refreshment Break  
*Crowne Plaza Hotel, Location TBA*

10:30 am – 11:45 am

**Young Investigator Presentations (5 simultaneous sessions)**  
*TBA*

11:45 am – 1:00 pm

Lunch  
*Crowne Plaza Hotel, Location TBA*

1:10 pm – 2:10 pm

Cotlove Award Lecture  
*Crowne Plaza Hotel, Location TBA*

**Dr. Owen Witte, M.D.**

Professor , Dept Microbiology, Immunology & Molecular Genetics, President's Chair in Developmental Immunology, and Professor of Molecular & Medical Pharmacology, Founding Director of the Eli and Edythe Broad Center of Regenerative Medicine and Stem Cell Research, UCLA David Geffen School of Medicine  
Imaging Cancer and the Immune Response

2:15 pm – 2:45 pm

**Presentations of New Research by Previous Young Investigators (2 simultaneous talks)**

*Crowne Plaza Hotel, Location TBA*

**Gwen McMillin, Ph.D**

Assistant Professor, Dept Pathology, Director of Laboratories at ARUP, University of Utah School of Medicine  
Personalized pharmacotherapy: strategies and tools for today and tomorrow

**Lynn Bry, PhD.**

Assistant Professor, Dept Pathology, Brigham & Women's Hospital, Harvard Medical School  
Germfree Life and Crimson: Supporting high-throughput discovery pipelines at a national level

2:45 pm – 3:30 pm

**Poster Session / Break**

*Crowne Plaza Hotel, Location TBA*

3:30 pm – 5:00 pm

**Symposium on Utility of Biomarkers in Medicine**

*Crowne Plaza Hotel, Location TBA*

3:30 – 4:15 pm

**Jonathan Braun, M.D., Ph.D**

Professor and Chair, Depts of Pathology & Lab Medicine and Molecular and Medical Pharmacology, UCLA David Geffen School of Medicine  
New Biomarkers in Chronic Inflammatory Disease: The IBD Case

4:15 – 5:00 pm

**Steven M. Dubinett, M.D.**

Professor and Chief, Division Med Pulmonology & Critical Care, Director of UCLA Lung Cancer Research Program, UCLA David Geffen School of Medicine  
Inflammation regulated biomarkers in lung cancer

6:30 pm – 9:30 pm

**Awards Banquet**

*Crowne Plaza Hotel, Location TBA*

**Saturday, June 6, 2009**

7:00 am – 8:10 am

**Roundtable Discussion Breakfast**

*Crowne Plaza Hotel, Location TBA*

8:10 am – 9:00 am

**Ellis Benson Award Lecture**

*Crowne Plaza Hotel, Location TBA*

**Michael Hodsdon, MD, PhD**

Associate Professor, Director Clinical Chemistry Laboratory, Dept Lab Medicine, Yale University  
How Cytokine Function is Regulated by Solution Acidity

9:00 am – 10:00 am

**Joe Miletich, M.D.**

Senior Vice President, Research & Development, Amgen  
Laboratory Medicine in the Biopharmaceutical Industry

- 10:00 am – 10:30 am Refreshment Break  
*Crowne Plaza Hotel, Location TBA*
- 10:30 am – 12:00 pm **Symposium on Individualized Medicine**  
*Crowne Plaza Hotel, Location TBA*
- 10:30 am – 11:15 am **Charles Eby, M.D.**  
Associate Professor, Dept Laboratory Medicine, Washington University  
Pharmacogenetic-based warfarin dosing: what will be the tipping point for acceptance into routine practice.
- 11:15 am – 12:00 pm **Steven R. Sloan, M.D., Ph.D.**  
Assistant Professor, Dept Pathology, Harvard  
Molecular Genotyping in Transfusion Medicine
- 12:15 pm – 1:45 pm Business Meeting Lunch  
*Crowne Plaza Hotel, Location TBA*
- 2:00 pm – 4:00 pm Executive Council Meeting  
*Crowne Plaza Hotel, Location TBA*