

# 128th Meeting of the Association of Clinical Scientists

The David Geffen School of Medicine of the  
University of California–Los Angeles is the Host of this Meeting.  
The College of American Pathologists is the Joint Sponsor for CME.

The meeting venue is the Marina del Rey Hotel, 13534 Bali Way, Marina del Rey, CA  
tel: 310 301 1000; fax: 310 305 8513; website: [www.marinadelrey.com](http://www.marinadelrey.com)

## Wednesday, 14 May 2008

- 2:30 pm Meeting registration desk opens (Hotel Lobby)  
2:30 pm Educational Accreditation Committee Meeting (Edgewater Room)  
3:30 pm Executive Committee Meeting (Edgewater Room)  
5:00 pm Editorial Board Meeting (Marina Room)  
7:45 pm Executive Committee Meeting with Past Presidents, Regional Delegates, and Chairs of Sections and Committees (Edgewater Room)

- receptors and/or their ligands in hematopoietic stem cell transplantation. David Senitzer,\* Duarte, CA  
noon [9] Morphoproteomic characterization of signal transduction pathways in adult CD133+ stem cells derived from human bone marrow. Jitakshi De,\* Houston, TX  
12:15 pm Luncheon recess

**Luncheon sponsored by the Section on Clinical Molecular Biology and Genetics**  
(Marina Room)

(Chairs: Frederick L Kiechle & Elizabeth A Wagar)

## Thursday, 15 May 2008

### Session A. Solid Organ Transplantation

(Regatta Room)

(Chairs: Anthony W Butch & Myra L Wilkerson)

- 8:00 am Welcoming remarks. Anthony W Butch, Los Angeles, CA, (Chair of Program Committee) & Myra L Wilkerson, Danville, PA, (President of the Association of Clinical Scientists)  
8:05 am [1] Claude P Brown Memorial Lecture: Kidney transplantation: past successes, future hopes. Alan H Wilkinson, Los Angeles, CA  
9:00 am [2] Advances in liver transplantation. R Mark Ghobrial, Houston, TX  
9:30 am [3] Pathology of lung allograft rejection. Michael N Koss, Los Angeles, CA  
10:00 am Refreshments

### Session B. Organ & Stem Cell Transplantation

(Chairs: Kathleen A Kelly & M Kent Froberg)

- 10:15 am [4] You're not my type: histocompatibility barriers to organ transplantation. J Michael Cecka, Los Angeles, CA.  
10:45 am [5] Current and future immune monitoring tools for improving the diagnosis of transplant rejection. Elaine F Reed, Los Angeles, CA.  
11:15 am [6] Pathology of late graft failure in small bowel transplantation. Bitu V Naini,\* Los Angeles, CA  
11:30 am [7] Development of severe aplastic anemia following orthotopic liver transplantation. John Lazarchick,\* Charleston, SC  
11:45 am [8] Role for killer immunoglobulin-like

- 12:15 pm [10] Opportunities and controversies in molecular genetic testing. Wayne W Grody, Los Angeles, CA.

### Session C. Frontiers of Clinical Science

(Regatta Room)

(Chairs: Robert E Brown & Manju Vadmal)

- 1:30 pm [11] Engineering nanoparticles to deliver therapeutics: research in the California NANO Systems Institute. Leonard H Rome, Los Angeles, CA  
2:00 pm [12] Microbial and molecular biomarkers for inflammatory bowel disease biology and management. Jonathan Braun, Los Angeles, CA.  
2:30 pm [13] Mitochondrial biology and disease. Joseph C Parker, Jr, Louisville, KY  
3:00 pm [14] Cancer prevention: role of preservation of mitochondrial function. Egil Fosslie, Chicago, IL  
3:30 pm Refreshments

### Session D. Morphoproteomics & Genomics

(Chairs: Robert E Brown & David Senitzer)

- 3:45 pm [15] Morphoproteomic-guided modeling incorporates layers of heterogeneous knowledge and converges on the NF-kappaB pathway in glioblastoma multiforme. Robert E Brown,\* Houston, TX  
4:00 pm [16] Morphoproteomic analysis of the mTOR pathway in papillary carcinoma of the thyroid. Jing Liu,\* Houston, TX

\*presenting author; coauthors are listed on the abstract.

- 4:15 pm [17] Morphoproteomic evidence of constitutively activated proinflammatory and profibrogenic mTOR and NF-kappaB pathways in non-alcoholic steatohepatitis. Wei Feng,\* Houston, TX
- 4:30 pm [18] Aortic intimal sarcoma: a case study with morphoproteomic characterization and therapeutic implications. Bihong Zhao,\* Houston, TX
- 4:45 pm [19] Molecular classification of breast carcinoma by immunohistochemical analysis and its clinical significance. Ping Tang,\* Rochester, NY
- 5:00 pm [20] Significance of overexpression of  $\alpha$ -methylcrotonyl-coenzyme A racemase in hepatocellular carcinoma. Wei Li,\* Houston, TX
- 5:15 pm [21] Dual functions of Bid in etoposide-induced DNA damage in human hepatocellular carcinoma cells. George G Chen,\* Hong Kong, China
- 5:30 pm Adjournment
- 7:30 pm Musicale Rehearsal (Bernard Gondos, Chair, Committee on Music and Fine Arts) (Marina Room)
- 7:45 pm Nominating Committee Meeting (M Kent Froberg, Chair) (Room to be announced)
- 8:30 pm Awards Committee Meeting (Peter M Farmer, Chair) (Room to be announced)

## Friday 16 May 2008

- 7:20 am Bus departs for the UCLA Medical Center

### Session E. Clinical Immunology & Microbiology (UCLA Auditorium)

(Chairs: Robert L Hunter & Armand B Glassman)

- 8:30 am [22] Mucosal vaccines: the promise and the challenge. Kathleen A Kelly,\* Los Angeles, CA
- 9:00 am [23] Where the textbooks went wrong: differences between the lifestyles of *M. tuberculosis* and *M. bovis*. Robert L Hunter, Houston, TX
- 9:30 am [24] Human T lymphotropic virus type 1: a reluctant/elusive pathogen. Armand B Glassman, Charleston, SC
- 9:45 am [25] Anti-tumor necrosis factor-alpha therapy in a patient with rheumatoid arthritis provokes latent leishmaniasis infection. Gillian Franklin,\* Manhasset, NY
- 10:00 am Refreshments
- 10:15 am Scientific visits to UCLA's research and clinical laboratory facilities, organized by Anthony W Butch, Kathleen A Kelly, and Elizabeth A Wagar, Los Angeles, CA
- 12:15 pm Bus returns to hotel
- 1:30 pm Bus departs for a visit to the Los Angeles County Art Museum for participants and guests.
- 5:30 pm Bus returns to hotel.

## Annual Reception and Banquet

(6:30 pm, Waterfront Room)  
(Toastmaster: Myra L Wilkerson)

Young Clinical Scientist Award to Kyle C Kurek  
Diploma of Honor to John Lazarchick  
Clinical Scientist of the Year Award to Joseph C Parker Jr  
Gold-Headed Cane Award (post-humous) to George D Vlahides, accepted by Christine Vlahides

Address: Nitric oxide as a unique signaling molecule in biology. Louis J Ignarro, Los Angeles, CA

## Saturday, 17 May 2008

- 6:45 am Run for the Lilies (2 miles). (Organized by Filiberto Cavazos, Chair, Athletics Committee)
- 6:45 am Breakfast meeting of the Credentials and Membership Committees (Anthony W Butch & Myra L Wilkerson, Chairs) (Hotel Dining Room)

Note: Sessions F and G are scheduled concurrently with Sessions H and I

### Session F. Surgical Pathology Tutorial (Regatta Room)

(Chaired by Peter Farmer & Nina Tatevian)

- 8:15 am [26] The impact of organ transplantation on heart and lung pathology. Michael C Fishbein, Los Angeles, CA.
- 10:15 am Refreshments

### Session G. Cell & Tissue Pathology (Regatta Room)

(Chaired by Steven I Hajdu & Imre A Fischer)

- 10:30 am [27] An unusual case with population consequences. M Kent Froberg, Duluth, MN
- 10:45 am [28] Immunohistochemical characterization of cytokine expression in eosinophilic esophagitis and gastroesophageal reflux disease. Nina Tatevian,\* Houston, TX.
- 11:00 am [29] Adrenocortical neoplasms of unknown malignant potential in young children. Atif Ahmed,\* Washington, DC
- 11:15 am [30] Can molecular studies improve survival in patients with cancers from unknown primary sites? Guy diSibio, Torrance, CA
- 11:30 am [31] Diagnostic accuracy of fine needle aspiration in breast lesions: implications for future use. Christina Day,\* Los Angeles, CA
- 11:45 am [32] PTEN soft tissue hamartoma. Kyle C Kurek,\* Providence, RI
- noon [33] Molecular testing and the autopsy: quo vadis? Jack W Snyder, Bethesda, MD
- 12:15 pm Luncheon recess

\*presenting author; coauthors are listed on the abstract.

## Saturday, 17 May 2008 (continued)

### Session H. Toxicology, Clinical Chemistry, and Biotechnology

(Edgewater Room)

(Chairs: Donald J Cannon & Roger L Bertholf)

- 8:15 am [34] The anti-doping movement in sports: are we winning? Anthony W Butch, Los Angeles, CA.
- 8:45 am [35] Drugs of abuse testing: so many limitations. Frederick L Kiechle,\* Hollywood, FL
- 9:00 am [36] Cocaine metabolite assay results in patients taking amoxicillin: is there interference? Roger L Bertholf,\* Jacksonville, FL
- 9:15 am [37] Quantification of the major lipoproteins using an electrophoretic system. Clive R Hamlin, Cleveland, OH
- 9:30 am [38] Glycated albumin analysis on an automated analyzer. Zak K Shihabi,\* Winston-Salem, NC
- 9:45 am [39] The new theory of vitamin D function may greatly surge the test volume. Pai C Kao,\* Rochester, MN
- 10:00 am Refreshments

### Session I. Clinical Informatics

(Chairs: Myra L Wilkerson & Paul Fu)

- 10:15 am [40] The medical algorithms project: an online clinical informatics resource supporting medical decision-making. M Sriram Iyengar,\* Houston, TX
- 10:45 am [41] Machine vision systems for automation of clinical laboratory quality inspections. Charles D Hawker, Salt Lake City, UT
- 11:15 am [42] Cost-effective consultations in telepathology. Robert L Hunter, Houston, TX
- 11:30 am [43] Applying statistical quality control to Her/neu immunohistochemistry through digital imaging. Jeffrey W Prichard, Danville, PA
- 11:45 am [44] Development of a surgical pathology specimen tracking tool. Myra L Wilkerson, Danville, PA
- 12:15 pm Luncheon recess

### Luncheon sponsored by the Section on Clinical Science in Practice

(Marina Room)

(Chairs: Frederick Muschenheim & Kenneth C Nieberg)

- 12:15 pm [45] Patient safety in the clinical laboratory: new approaches to managing laboratory errors. Elizabeth A Wagar, Los Angeles, CA.

### Session J. Hematology & Transfusion Medicine

(Regatta Room)

(Chairs: Byron A Myhre & John Lazarchick)

- 1:30 pm [46] Systemic iron regulation in health and disease. Tomas Ganz, Los Angeles, CA.
- 2:00 pm [47] Rapid quantitation of HbS in sickle cell patients on the Variant II Turbo analyzer. Zak K Shihabi\* Winston-Salem, NC

- 2:15 pm [48] The PFA-100 and the bleeding time: twentieth century hemostatic screening tests. Jonathan S Krauss, Augusta, GA
- 2:30 pm [49] Use of normal B cells as a negative control significantly impacts the results of ZAP-70 expression. Fernando Chaves,\* Los Angeles, CA
- 2:45 pm [50] Optimizing platelet inventory management through collaborations with blood center, transfusion service, and supply chain experts. Magali Fontaine\*, Palo Alto, CA
- 3:00 pm Refreshments

### Session K. Clinical Science in Practice

(Chairs: Frederick Muschenheim & Vincent A DeBari)

- 3:15 pm [51] Implementation of pharmacogenomic biomarkers into clinical practice. Alan Wu, San Francisco, CA
- 3:45 pm [52] ESR spin-labeling in biomedicine and pharmacology. Henry M Zeidan,\* Henderson, NV
- 4:15 pm [53] The alveolar-arterial oxygen gradient, pneumonia severity index, and outcomes in patients hospitalized with community-acquired pneumonia. Vincent A DeBari,\* South Orange, NJ
- 4:30 pm Business Meeting of the Association of Clinical Scientists (Myra L Wilkerson, President)
- 5:30 pm Adjournment

### Association Musicale and Art Exhibit

(7:30 pm) (Waterfont Room)

(Organized by Bernard Gondos,

Chair of the Committee on Music and Fine Arts)

### Program Committee for the 2008 Annual Meeting

Anthony W Butch PhD, Chair

Imre A Fischer PhD	Paul Fu PhD
Steven I Hajdu MD	Kathleen A Kelly PhD
Byron A Myhre MD, PhD	Kenneth C Nieberg MD
David Senitzer PhD	F William Sunderman Jr MD
Manju Vadmal MD	Elizabeth A Wagar MD

### 2008 Officers and Executive Committee

Myra L Wilkerson MD, President
Vincent A DeBari PhD, Vice-President
F William Sunderman Jr MD, Secretary-Treasurer
Robert L Hunter Jr MD, PhD, Director of Scientific Sections
Frederick Muschenheim MD, Recording Secretary
Donald J Cannon PhD
Roger L Bertholf PhD
M Kent Froberg MD, PhD
Nina Tatevian MD, PhD

### 2008 Officers of the Association's Auxiliary

Becky Hunter, President
Florence Forman, Vice-President
Alberta Glassman, Past-President
Charlotte Cannon, Secretary
Adrienne Hopfer, Treasurer

\*presenting author; coauthors are listed on the abstract.