

Nephrology Division Newsletter

September - October 2013



Announcements

- ❖ **Dr. Vanessa Grubbs** is now serving as Director of the Capstone Course, the culminating program experience for 4th year medical students in PRIME-US (Program in Medical Education for the Urban Underserved). She was invited to take on this role after conducting a Writing for Change workshop series within the capstone course for the past 2 years. In the workshop she teaches is narrative writing from a health policy perspective. The workshop received the highest student ratings of all sessions both years.
- ❖ Please support your Division colleagues at the upcoming American Society of Nephrology meeting in Atlanta. Below are some examples of activities.

ORAL ABSTRACTS

[TH-OR002] Explaining the Temporal Trend in Dialysis-Requiring Acute Kidney Injury in the U.S.

Raymond K. Hsu, MD, Charles E. McCulloch, PhD, Chi-yuan Hsu, MD
Date/Time: Thursday, November 7, 2013 - 4:42 PM
Session Info: AKI 2013: What's New?

[TH-OR051] Elevated NT-proBNP and Kidney Function Decline

Meyeon Park, MD, Eric Vittinghoff, PhD, Michael Shlipak, MD, Mary Whooley, MD, Nisha Bansal, MD
Date/Time: Thursday, November 7, 2013 - 5:06 PM
Session Info: CKD Endpoints: Not as Sharp as They Used to Be

[TH-OR035] Fibroblast α Integrins Are Key Mediators of Renal Fibrosis – Potential Novel Targets for Anti-Fibrosis Therapy **

Yongen Chang, MD, PhD, Dean Sheppard, MD
Date/Time: Thursday, November 7, 2013 - 5:18 PM
Session Info: Cell Signaling in Kidney Fibrosis

[FR-OR036] National Impact of Cystatin C on Safe and Appropriate Utilization of Metformin among Patients with Type 2 Diabetes

Delphine S. Tuot, MD, Michael Shlipak, MD, Jerry Yee, MD, FASN, Rajiv Saran, MD, MBBS, Neil R. Powe, MD, FASN
Date/Time: Friday, November 8, 2013 - 6:06 PM
Session Info: Estimating Decline in Kidney Function: The Holy Grail of CKD

[FR-OR076] A Small Molecule Screen Identifies Selective Inhibitors of Urea Transporter UT-A1

Cristina Esteva-Font, PhD, Puay Wah Phuan, PhD, Marc O. Anderson, Alan S. Verkman, MD, PhD
Date/Time: Friday, November 8, 2013 - 6:06 PM
Session Info: Molecular Physiology of Renal Water and Solute Transport

[SA-OR031] Blood Pressure and Mortality at Advanced CKD and Incident ESRD: The CRIC Study

Nisha Bansal, MD, Raymond R. Townsend, MD, Mahboob Rahman, MD, Charles E. McCulloch, PhD, Alan S. Go, MD, Arnold B. Alper, MD, Amanda Hyre Anderson, PhD, John W. Kusek, PhD, Claudia M. Lora, MD, Eva Lustigova, Chi-yuan Hsu, MD
Date/Time: Saturday, November 9, 2013 - 4:30 PM
Session Info: Causes, Consequences, and Treatment of Hypertension in Clinical Nephrology

[SA-OR048] Impact of Hypertension Management in Patients with Chronic Kidney Disease on Outcomes after End-Stage Renal Disease

Elaine Ku, MD, David V. Glidden, PhD, Barbara A. Grimes, PhD, Kirsten L. Johansen, MD, Mark J. Sarnak, MD, FASN, Hocine Tighiouart, Chi-yuan Hsu, MD
Date/Time: Saturday, November 9, 2013 - 4:30 PM
Session Info: CKD Progression: In Nephrology Progress Means You're Getting Worse

INVITED LECTURES

Early Program: Critical Care Nephrology: 2013 Update

Title: Acute Lung Injury

Kathleen Liu, MD, PhD

Date/Time: Tuesday, November 5, 2013 - 10:30 AM

Early Program: Arnold O. Beckman 30th Conference Novel Biomarkers of Kidney Disease: False Dawn or New Horizon?

Title: The Search for Improved Markers of CKD

Chi-yuan Hsu, MD

Date/Time: Tuesday, November 5, 2013 - 10:45 AM

Early Program: CVD in CKD: What's in the Toolbox...and What to Do with Results

Title: Debate 1: BP < 140 mmHg Is Just Fine

Carmen A. Peralta, MD

Date/Time: Tuesday, November 5, 2013 - 11:05 AM

Early Program: Critical Care Nephrology: 2013 Update

Title: AKI and CKD

Kathleen Liu, MD, PhD

Date/Time: Tuesday, November 6, 2013 - 9:30 AM

Session Info: Critical Care Nephrology: 2013 Update

Early Program: CVD in CKD: What's in the Toolbox...and What to Do with Results

Title: Debate 2: Estimating GFR: Continued Refinement Is the Way Forward (Con)

Chi-yuan Hsu, MD

Date/Time: Wednesday, November 6, 2013 - 11:05 AM

Early Program: CVD in CKD: What's in the Toolbox...and What to Do with Results

Title: Beyond BP and Statins: How Do We Prevent CVD in CKD?

Carmen A. Peralta, MD

Date/Time: Wednesday, November 6, 2013 - 4:10 PM

Annual Meeting: Small Molecule Inhibitors in Kidney Disease: The Best Tools Come in Small Packages

Title: Small Molecule Inhibitors of Kidney Epithelial Membrane Transporters Inhibitors

Alan Verkman, MD, PhD

Date/Time: Saturday, November 9, 2013 – 2:30 PM

Annual Meeting: USRDS: Healthcare Policy Reform and the Kidney Disease Population

Title: The Intersection between Body Composition and Physical Function among Participants in ACTIVE/ADIPOSE

Kirsten L. Johansen, MD

Date/Time: Saturday, November 9, 2013 - 3:20 PM

Annual Meeting: Outcomes after AKI

Title: Debate 2: AKI Is Associated with Long-Term Adverse Health Outcomes

Chi-yuan Hsu, MD

Date/Time: Sunday, November 10, 2013 - 10:40 AM



Fellowship Program

- ❖ **Yongen Chang, MD, PhD's** ASN abstract (see above **) has been selected as one of the **Top Oral Abstracts by Trainees** for the ASN Kidney Week 2013 Annual Meeting, November 7-10 in Atlanta, GA.
- ❖ Please come by the posters from our fellows and other UCSF trainees presenting their work at the ASN, including:

[TH-PO096] Clearance and Hemocompatibility Assessment of a Parallel Plate Mini-Scale Dialyzer Based on Silicon Nanopore Membranes

Steven Kim, MD, Zohora Iqbal, James A. Heller, Eun jung Kim, PhD, Rishi Kant, William Fissell, MD, Shuvo Roy, PhD

Date/Time: Thursday, November 7, 2013 - 10:00 AM

Session Info: Bioengineering and Informatics

[TH-PO097] Multi-Detector Computed Tomography to Identify Device Defects and Failure Modes in an Implantable Silicon Hemofilter

Steven Kim, MD, Olufoladare G. Olorunsola, MD, Charvi Shetty, James A. Heller, Zohora Iqbal, Rishi Kant, Steven Hetts, MD, Maythem Saeed, William Fissell, MD, Youngho Seo, Mark Wilson, Shuvo Roy, PhD

Date/Time: Thursday, November 7, 2013 - 10:00 AM

Session Info: Bioengineering and Informatics

[FR-PO368] Lower Predialysis Blood Pressure Is Associated with Worse Physical Function in HD Patients

Adrian Paul Abreo, MD, Charles A. Herzog, MD, Janice P. Lea, MD, FASN, Nancy G. Kutner, PhD, Patricia Lynn Painter, PhD, Kirsten L. Johansen, MD

Date/Time: Friday, November 8, 2013 - 10:00 AM

Session Info: Dialysis: Epidemiology, Outcomes, and Clinical Trials: Cardiovascular

[TH-PO713] Differential Regulation of Epithelial Sodium Channel (ENaC) and Sodium-Chloride Cotransporter (NCC) by Gilz

Priyanka Rashmi, PhD, Michael Ng, David Pearce, MD, FASN

Date/Time: Thursday, November 7, 2013 - 10:00 AM

Session Info: Hypertension: Basic



Accomplishments and Awards

- ❖ **Dr. Raymond Hsu's** K23 award, "Enhancing appreciation of the clinical significance of acute kidney injury," was funded by the NIDDK. He will transition from the UCSF CTSI KL2 award to the K23 award.
- ❖ **Catie Gleason, PhD**, a post-doc in Dr. David Pearce's lab, received her K01 award titled "Specifying control of ion balance and glucose homeostasis through mTORC2."
- ❖ In October 2013, **Dr. Chi-yuan Hsu** was the Chan Woon Cheung Visiting Professor of the Hong Kong Society of Nephrology, Hong Kong. He also delivered a lecture at a Nephrology Symposium at the Chinese University of Hong Kong, Prince of Wales Hospital. During 2013, Dr. Hsu was also visiting professor at the University of Texas-Southwestern (Dallas, TX), the Mayo Clinic (Rochester, MN) and the Massachusetts General Hospital (Boston, MA).

Congratulations to all our award-winning faculty, fellows and staff.