Kidney In Cardiovascular Disease

MEETING REMINDERS AND COUNCIL-SUPPORTED EVENTS

The Council on the Kidney in Cardiovascular Disease is co-sponsoring the 63rd Annual Fall Conference of the Council for High Blood Pressure Research, to be held Sept. 23–26 at the InterContinental Chicago O’Hare Hotel. For more information please visit http://www.americanheart.org/presenter.jhtml?identifier=3062454

ASN Annual Meeting 2009

Kidney Council–ASN Young Investigator Award 2009

Matthias Kretzler, MD, has been awarded the 2009 Young Investigator Award of the American Society of Nephrology and Kidney Council of the American Heart Association. Dr. Kretzler’s career has been dedicated to understanding the fundamental biology of glomerular diseases and the application of this science to the molecular diagnosis of renal patients. His work has already provided the basis for a paradigm shift in the approach to the diagnosis and treatment of glomerular diseases. Dr. Kretzler performed his thesis work under the tutelage of Dr. Wilhelm Kriz at the University of Heidelberg, where he identified the critical role of the podocyte in the development and progression of hypertensive glomerulosclerosis. After a year of research at the University of Michigan with Drs. Josie Briggs and Larry Holzman, Dr. Kretzler worked at the University of Munich under the guidance of Dr. Detlef Schloendorff, while he completed his internship and residency. Based on his anatomic knowledge and skills in obtaining and analyzing RNA from single glomerular cells, Dr. Kretzler began to use microdissected human kidney biopsies for molecular analysis. These early studies served as the scientific basis for the European Human Renal Biopsy cDNA Bank (ERCB), for which Dr. Kretzler was the initiator, key organizer and administrator. This cDNA and tissue bank is the product of an international consortium to collate and standardize data and sample collections of patients undergoing kidney biopsies to be used effectively for translational research in a network of 24 academic centers and industrial partners. The tissue bank is comprised of data and samples from over 2,500 patients across Europe, Asia, Australia and North America, and continues to grow at a rapid pace.

Since coming to the University of Michigan four years ago Dr. Kretzler and his colleagues have continued to combine large-scale gene expression data sets from renal biopsies with clinical phenotypes and genotypes from all major glomerular diseases. They have worked closely with a network of bioinformatic collaborators in the National Center for Integrative Bioinformatics (NCIBI) at the University of Michigan. In so doing, Dr. Kretzler has identified novel molecular markers of the nephrotic syndrome, novel podocyte-specific splice factors and slit diaphragm molecules. He and his colleagues have continued to use novel and state-of-the-art bioinformatics methods to dissect promoter regions for transcription factor modules, which has led to the detection of new, similarly regulated proteins in podocytes. Together with NCIBI and as director of the Applied Systems Biology Core in the O’Brien Renal Center at the University of Michigan, Dr. Kretzler has ensured that the global renal research community has access to the large-scale data sets that are now emerging.

The rigor and innovation shown in his research, the interpersonal and cross-disciplinary organizational capabilities evident in coordinating the research efforts of nephrology groups worldwide, and most of all the vision to create a translational project that will alter clinical care in the near future were the basis for the decision to grant the Young Investigator Award to Dr. Kretzler.

2009 Donald Seldin Lecture

The 2009 Donald Seldin Lecture will be presented at the 63rd Annual Fall Conference of the Council for High Blood Pressure Research by Roger Wiggins, MB, BChir, of the University of Michigan. The lecture is entitled “Podocyte Depletion and Glomerulosclerosis.” At the University of Michigan, Dr. Wiggins is a professor of internal medicine and director of the George O’Brien Renal Center. He is recognized for outstanding research in the fields of renal podocyte biology and pathology.
ASN 2009 KCVD-sponsored PGE Course

Tuesday, Oct. 27–Wednesday, Oct. 28, San Diego, Calif.

CKD and CVD from the Vascular Viewpoint: Merging Basic and Clinical Sciences to Optimize Treatment

Chairs: Frank C. Brosius III, MD; Moshe Levi, MD, FASN; and Raymond R. Townsend, MD

Hypertension is both a cause and a consequence of chronic kidney disease (CKD). In this course, we will combine both a basic science and a clinical approach to understanding the blood vessel in health and in a variety of disease states. Each segment of the program will conclude with a case that will leverage the information from that segment in a patient-based application. Nephrologists with an interest in the pathogenesis, diagnosis and treatment of hypertension, CKD and CVD will benefit from this program.

Upon completion of this program the participant will be able to 1) apply current basic and clinical research findings to the understanding of vascular adaptation in health and disease; 2) interpret clinical signs and symptoms in light of underlying basic mechanisms; and 3) integrate basic and clinical considerations in the management of patients with hypertension, CKD and CVD.


KCVD Annual Reception at ASN 2009

The KCVD Annual reception will coincide with the conclusion of our KCVD-sponsored PGE Course on Wednesday, Oct. 28, from 6–9 p.m.

The Council on the Kidney in Cardiovascular Disease NEEDS YOU!

The Council is looking for new members and there are several opportunities to participate. It is time for us to elect new committee members for 2009–10. There are several openings for new members. If you have any suggestions or may want to nominate yourself please contact Jennifer Jennison at jennifer.jennison@heart.org

If you have any information that should be added to the Council Newsletter please contact Pablo Ortiz at portiz1@hfhs.org

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