

2013 CCM Scientific Meeting Agenda
Washington Plaza Hotel
November 7-8, 2013

Day 1 | Thursday, November 7th

8:30 Opening Remarks
Amy Akers, Angioma Alliance

SESSION I | CCM1 & CCM2 SIGNALING NETWORKS

8:40 *The structure of the Ternary Complex of KRIT1 bound to both the Rap1 GTPase and the Heart of Glass (HEG1) cytoplasmic tail*
Alexandre Gingras – University of California San Diego

9:00 *Expanding the Heg-CCM Signaling Pathway Network*
John Mably – Boston Children's Hospital

9:20 *Exiting angiogenesis requires CCM proteins to attenuate proangiogenic Klf2 activity*
Salim Seyfried – Max Planck Institute of Molecular and Cellular Biology

9:40 Discussion

Coffee Break

SESSION II | IMMUNOLOGY & VASCULAR BIOLOGY

10:30 *In situ humoral immunity in human cerebral cavernous malformations*
Changbin Shi – University of Chicago

10:50 *Reduced KRIT1 expression modifies vascular permeability by increasing oxidative stress*
Angela Glading – University of Rochester

11:10 *Role of KRIT1 in the pathogenesis of Cerebral Cavernous Malformations (CCM): From disease mechanisms toward pharmacological therapies*
Francesco Retta – University of Torino

11:30 Discussion

Lunch

SESSION III | MODEL SYSTEMS

- 1:00 *High-Content Screening Reveals CCM Pathophysiology and Potential Treatments*
Christopher Gibson – University of Utah
- 1:20 *Human endothelial progenitor-derived endothelial cells as a model system for Cerebral Cavernous Malformation disease*
Adriana Beltran, University of North Carolina at Chapel Hill
- 1:40 *A mouse model of CCM3*
Douglas Marchuk, Duke University Medical Center
- 2:00 Discussion
- Coffee Break*

SESSION IV | CCM3 MOLECULAR CHARACTERIZATION, SIGNALING & FUNCTION

- 2:30 *Proteomic characterization of CCM3-GCKIII complexes*
James Knight, Lunenfeld-Tenanbaum Research Institute
- 2:50 *CCM3-Mst4-Cortactin complex regulates brain endothelial barrier function*
Anuska Andejelkovic-Zochowski – University of Michigan
- 3:10 *Using the Zebrafish Embryo to Decipher the CCM3 Signaling Pathway*
Ian Scott – The Hospital for Sick Children
- Coffee Break*
- 3:40 *CCM3/STRIPAK regulation of endosomal recycling and lumen maintenance in C. elegans seamless tubes*
Benjamin Lant – The Hospital for Sick Children
- 4:00 *Null mutations in Drosophila CCM3 and GCKIII cause tracheal tube dilations*
Amin Ghabrial – University of Pennsylvania School of Medicine
- 4:20 Discussion
- 5:00 END OF DAY 1 SESSIONS
- 6:30 Dinner at BUFFALO BILLIARDS, located on Dupont Circle

DAY 2 | Friday, November 8th

SESSION V | THE HUMAN CONDITION

9:00 *Extensive Genetics of Cerebral Cavernous Malformations in Italy*
Silvana Penco, Italy

9:20 *Association of Common Variants in Immune Response Genes with Severity of Familial Cerebral Cavernous Malformations Type I*
Helene Choquet, UCSF

Coffee Break

9:50 *The Natural History of Incidentally Discovered Cavernous Malformations*
Kelly Flemming, The Mayo Clinic

10:10 *Lesion distribution and changes with age and radiation therapy in a population with familial CCM1*
Blaine Hart, University of New Mexico

10:30 *Exceptional Aggressiveness of CCM3 Phenotype*
Issam Awad – University of Chicago

10:50 Discussion

LUNCH

SESSION VI | BIOMARKERS

12:30 *Characterizing cerebral cavernous malformations with quantitative susceptibility mapping: further validation in humans and preliminary findings in mice*
Huan Tan – University of Chicago

12:50 *Updates in Permeability as a Biomarker of CCM Disease*
Abdul Ghani Mikati – University of Chicago

1:10 *Predictors of Functional outcome in Patients with CCM1 Common Hispanic Mutation*
Leslie Morrison – University of New Mexico

1:30 Discussion

Coffee Break

SESSION VII | CLINICAL TRIAL PREPAREDNESS

2:00 *Angioma Alliance Updates – Recruitment, Biobank & Clinical Site Development*
Amy Akers & Connie Lee – Angioma Alliance