Welcome
To the
9th Annual
Angioma Alliance

CCM Scientific Meeting

Washington Plaza Hotel
Washington, DC

November 7-8, 2013
MEETING AGENDA
Washington Plaza Hotel
Jefferson Room

Day 1 | Thursday, November 7th

8:45 Opening Remarks
Amy Akers, Angioma Alliance

SESSION I – CCM1 & CCM2 SIGNALING NETWORKS
Kelly Flemming, Session Chair

9:00 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

9:20 Expanding the Heg-CCM Signaling Pathway Network
John Mably – Boston Children's Hospital

9:40 Exiting angiogenesis requires CCM proteins to attenuate proangiogenic Klf2 activity
Salim Seyfried – Max Planck Institute of Molecular and Cellular Biology

10:00 Discussion

10:20 Coffee Break

SESSION II – IMMUNOLOGY & VASCULAR BIOLOGY
Doug Marchuk, Session Chair

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

Noon Lunch – Monroe Room
SESSION III – MODEL SYSTEMS
Kevin Whitehead, Session Chair

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

2:20  *Coffee Break*

SESSION IV – CCM3 MOLECULAR CHARACTERIZATION, SIGNALING & FUNCTION
Brent Derry, Session Chair

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

3:30  *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

4:55  *CCM3 Action Announcement*
Connie Lee – Angioma Alliance

5:00  END OF DAY 1 SESSIONS

6:30  Dinner at BUFFALO BILLIARDS, located on Dupont Circle
SESSION V – THE HUMAN CONDITION
Leslie Morrison, Session Chair

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

9:40 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
Michael Golden, University of New Mexico

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

10:50 Discussion

11:20 Lunch – Monroe Room

SESSION VI – BIOMARKERS
Issam Awad, Session Chair

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

1:50 Coffee Break

SESSION VII – CLINICAL TRIAL PREPAREDNESS

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

3:30 Close of Meeting