



Angioma Alliance
Striving for Answers

Angioma Alliance 6th Annual Pathobiology of CCM Scientific Workshop

Embassy Suites – Chevy Chase Pavilion, Washington, DC; November 1st & 2nd, 2010

SUNDAY, OCTOBER 31ST, 2010

6:30 **DINNER** – located a short walk from the hotel

MAGGIANO'S LITTLE ITALY
Chevy Chase – Washington
5333 Wisconsin Ave NW

MONDAY, NOVEMBER 1ST, 2010

8:00 *Welcome*
Connie Lee & Amy Akers Angioma Alliance

I. HUMAN GENETICS

8:05 *Common splicing mutation in CCM2 in the Ashkenazi Jewish population*
Carol Gallione Duke University

8:25 *Ancestral Investigation of the Common Hispanic Mutation*
Nina Gonzales University of New Mexico

8:45 *Clinical Testing for CCM mutations – who should we test?*
Jonathan Berg University of Dundee

9:05 **COFFEE BREAK**

II. VASCULAR BIOLOGY

- 9:20 *The angiogenic function of CCM genes: A comparison study in different types of endothelial cells*
Yuan Zhu University of Duisburg-Essen
- 9:40 *Defective vascular integrity upon KRIT1/ICAP-1 complex loss correlates with aberrant beta 1 integrin-dependent extracellular matrix remodeling*
Eva Faurobert INSERM, Grenoble
- 10:00 *CCM3 regulates tight junction complex stability*
Anuska Andjelkovic University of Michigan
- 10:20 *Delineating the mechanism of Rap1 and its effector KRIT1/CCM1 function to stabilize endothelial cell-cell junctions*
Jian Liu University of California San Diego
- 10:40 *Loss of KRIT1 leads to exacerbated autoimmune arthritis through increased vascular permeability*
Angela Glading University of Rochester
- 11:00 *Dynamic Contrast-Enhanced MRI for Measuring Blood-to-Brain Influx Rate Constant (Permeability MRI) in Patients with Cerebral Cavernous Malformations*
Blaine Hart University of New Mexico
- 11:20 **DISCUSSION OF MORNING SESSION**

Noon **LUNCH** – served in the hotel **MEZZANINE**

III. MOLECULAR BIOLOGY

- 1:20 *KRIT1 Regulates the Homeostasis of Intracellular Reactive Oxygen Species*
Luca Gore University of Torino
- 1:40 *The crystal structure of CCM3 reveals a molecular-level basis for intermolecular interactions*
Titus Boggon Yale University

- 2:00 ***CCM3/PDCD10 stabilizes GCKIII proteins to promote Golgi assembly and cell orientation***
Juan Zalvide University of Santiago de Compostela
- 2:20 ***LIM Kinase-Cofilin signaling is dysregulated in Cerebral Cavernous Malformation disease***
Christopher Dibble University of North Carolina – Chapel Hill
- 2:40 **COFFEE BREAK**

IV. MOLECULAR BIOLOGY

- 3:00 ***CCM3 Signaling through sterile 20-like kinases plays an essential role during zebrafish cardiovascular development and in human cerebral cavernous malformations***
Xiagjian Zheng University of Pennsylvania
- 3:20 ***Pdcd10 signals through Sterile-20-like kinases in a pathway distinct from Krit1 and Ccm2***
Aubrey Chan University of Utah
- 3:40 ***Modeling CCM disease in the vasculature of C. elegans***
Brent Derry The Hospital for Sick Children

DISCUSSION OF AFTERNOON SESSION & SIGNALING PATHWAYS, DRUG DEVELOPMENT AND CLINICAL TRIALS

- 4:00 ***Using the Cavernous Angioma Patient Registry as a Recruitment Tool***
Amy Akers Angioma Alliance

5:00 **END OF DAY 1**

6:00 **DINNER – served in the hotel MEZZANINE**

Tuesday, November 2nd, 2010

V. CLINICAL SESSION

- 8:00 *The risk of epileptic seizure after the diagnosis of a cavernous malformation of the brain: prospective, population-based study*
Colin Josephson The University of Edinburgh
- 8:20 *Cerebral Cavernous Malformations: Clinical outcomes and lesion burden*
Yasir Kahn University of New Mexico
- 8:40 *Radiosurgery vs traditional surgical excision of Brainstem Lesions*
Sachin Batra Johns Hopkins University
- 9:00 **DISCUSSION OF MORNING SESSION**
- 9:20 **COFFEE BREAK**

VI. MOUSE MODELS

- 9:40 *Mouse Models and Molecular Mechanism for Human CCM3*
Wang Min Yale University
- 10:00 *From CCM2 gene invalidation to cerebral cavernous malformations: establishment of a highly relevant mouse model for CCM disease*
Gwenola Boulday INSERM, Paris
- 10:20 *A novel mouse model of cerebral cavernous malformations based on the two-hit mutation hypothesis recapitulates the human disease*
Dave McDonald Duke University
Robert Shenkar University of Chicago
Changbin Shi University of Chicago
- 11:00 **DISCUSSION OF MORNING SESSION**
- 11:20 **FINAL SYNTHESIS OF WORKSHOP**
Issam Awad and Doug Marchuk
- Noon **END OF WORKSHOP**