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 Homeostatsis 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