Angioma Alliance 7th Annual
Pathobiology of CCM Scientific Workshop
Dolce Chantilly Hotel – Chantilly, France; November 16th - 18th, 2011

WEDNESDAY, NOVEMBER 16TH, 2011

3:00 Welcome & Opening Remarks
Amy Akers          Angioma Alliance
Sara Sukalich      Chair, Angioma Alliance Board of Directors

I. SIGNALING & MOLECULAR BIOLOGY – MODERATED BY DOUG MARCHUK

3:10 Inactivation of Dll4-Notch signaling in CCM3 gene mutated familial CCM and in CCM3-silenced endothelial cells
Yuan Zhu           University of Euisberg-Essen

3:35 Structure-function analysis of the STRIPAK complex identifies direct interactions between CCM3/PDCD10 and other STRIPAK members and reveals a role for STRIPAK in Golgi polarization
Michelle Kean      Samuel Lunenfeld Research Institute

4:00 COFFEE BREAK

4:10 A GCKIII kinase mediates CCM2-dependent death in medulloblastoma cells
Barbara Costa      Weizmann Institute of Science

4:35 CCM3-dependent redistribution of Mst4 upon oxidative stress is essential for phosphorylation of Ezrin/Radixin/Moesin and protects cells from necrosis
Juan Zalvide       University of Santiago de Compostela

5:00 Identification of a novel KRIT1 interactor involved in the control of actin cytoskeleton dynamics and cell resistance to oxidative stress
Lorenza Trabalzini University of Siena
Francesco Retta    University of Torino

5:25 DISCUSSION OF SESSION I

6:00 CLOSE OF DAY 1

7:00 DINNER – SERVED IN THE ETOILE RESTAURANT AT DOLCE CHANTILLY
THURSDAY, NOVEMBER 17TH, 2011

II. VASCULAR BIOLOGY & ANIMAL MODELS – MODERATED BY ELISABETH TOURNIER-LASERVE

8:30  Loss of KRIT1 leads to increased vascular permeability and modifies inflammatory responses in vivo
      Angela Glading  University of Rochester

8:55  Defective vascular integrity upon ICAP-1/Krit1 complex loss correlates with aberrant beta 1 integrin-dependent dialog between the endothelial cell and its extracellular matrix
      Eva Faurobert  INSERM, Grenoble

9:20  CCM1 and ICAP1 induce Notch signaling to inhibit angiogenesis. Animal models and therapeutic implications
      Andreas Fischer  Heidelberg University

9:45  COFFEE BREAK

10:00 Loss of Ccm3 in neuroglia leads to cerebral cavernous malformations and vascular pathology
      Angeliki Louvi  Yale School of Medicine

10:25 CCM2 Regulates Superoxide and Nitric Oxide in the Endothelium
      Christopher Gibson  University of Utah

10:50 Fasudil Decreases Lesion Burden in a Murine Model of Cerebral Cavernous Malformation Disease
      Dave McDonald  Duke University Medical Center

11:15 DISCUSSION OF SESSION II

12:00 END OF DAY 2

FRIDAY, NOVEMBER 18TH, 2011

III. CLINICAL & HUMAN STUDIES – MODERATED BY ISSAM AWAD

9:00  Cavernous malformations of the human brainstem: quasi-automatic three-dimensional-reconstruction from a stack of serial histological slides with a computerized technique
      François Chapon  CHU de Caen
9:25  Mutation Profiling in Familial Cerebral Cavernous Malformations and Development of a Familial Cavernous Malformation Patient Register
Jonathan Berg  University of Dundee

9:50  COFFEE BREAK

10:05  Therapeutic guidelines for the management of cerebral cavernous malformations in adults: quality of the evidence
Rustam Al-Shahi Salman  University of Edinburgh

10:45  DISCUSSION OF MORNING SESSION

11:00  Discussion of Clinical Trials
Lead by Issam Awad – University of Chicago and Rustam Al-Shahi Salman

12:00  LUNCH – SERVED IN THE HOTEL

IV. GENETIC & CLINICAL STUDIES – MODERATED BY ISSAM AWAD

1:30  Genetic Screening for Enhancer Loci of Intracranial Hemorrhage in Zebrafish
Brant Weinstein  NICHD, National Institutes of Health

Helen Kim  University of California, San Francisco
Beth Baca  University of New Mexico

2:20  COFFEE BREAK

2:35  Quantitative Analysis of Blood-to-Brain Influx Rate Within Lesions and Nonlesional Brain Using Dynamic Contrast-Enhanced MRI in Patients with Cerebral Cavernous Malformations
Blaine Hart  University of New Mexico

3:00  Neuroimaging Markers of Permeability in Patients with Cerebral Cavernous Malformations Type 1: Effects of Statins
Leslie Morrison  University of New Mexico

3:25  DISCUSSION OF AFTERNOON SESSION

4:00  CLOSE OF WORKSHOP
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