Workshop on the Pathobiology of Cerebral Cavernous Malformations

Washington Duke Inn
Duke University
Durham, North Carolina

Friday, November 18, 2005

WORKSHOP AGENDA

7:30 AM    Continental Breakfast

Session I.  Welcome and Introduction

8:00        Connie Lee (President: Angioma Alliance) Welcome from Angioma Alliance
8:10        Douglas Marchuk (Duke Univ.) Workshop Objectives and Goals

Session II. Clinical Phenotype of CCM and its Pathobiological Implications
Chair: Issam Awad

8:20        Issam Awad (Northwestern Univ.) Anatomy of the CCM lesion
8:50        Michel Berg (Univ. of Rochester) Clinical Trials in CCM
9:05        Eric Johnson (PreventionGenetics) The CCM Biobank/Registry

9:20        GROUP DISCUSSION

9:50        Coffee break

Session III. Human Genetic Studies in CCM
Chair: Judith Gault

10:00       Dominique Verlaan (McGill Univ.) Genetic studies of CCM kindreds
10:15       Christina Liquori (Duke Univ.) Possibility of an additional CCM gene
10:30       Judith Gault (Univ. of Colorado) Somatic mutations in CCM tissue

11:00       GROUP DISCUSSION

11:30       Lunch

Session IV. Animal Models of CCM
Chair: Douglas Marchuk

12:30       Brent Derry (Toronto: Hosp. for Sick Children) KRI-1, the KRIT1 ortholog in C. elegans
1:00        Kevin Whitehead (Univ. of Utah) Embryonic phenotype of CCM1 and CCM2 mutant mice
1:30        Nicholas Plummer (NIEHS) A “gene trap” CCM2 mouse: Expression of CCM2
1:45 Robert Shenkar (Northwestern Univ.) Advanced imaging of CCMs: Preliminary observations and pathobiologic and clinical implications.

2:10 GROUP DISCUSSION

2:40 coffee break

Session V. Cellular and Biochemical Studies of CCM
Chair: Gary Johnson

2:50 Murat Gunel (Yale Univ.) Studies of CCM1 and CCM2 protein

3:20 Amy Jacon (Duke Univ.) Anatomic expression pattern of the CCM1 and CCM2 protein

3:35 Jun Zhang (Johns Hopkins) New insights into CCM pathogenesis

4:00 Gary Johnson (Univ. of North Carolina) CCM1 and CCM2: Role in cell signaling

4:30 GROUP DISCUSSION

Session VI. Concluding Remarks: Workshop Summary and Future Directions for Research

5:00 Translational: Issam Awad (Northwestern Univ.)

5:05 Molecular Genetics: Douglas Marchuk (Duke Univ.)

5:10 Biochemical and Cellular Studies: Gary Johnson (Univ. of North Carolina)

5:15 Adjournment: Connie Lee (President: Angioma Alliance)