Sunday, September 23, 2007

8:00 AM – 9:00 PM  Conference Registration

10:00 AM – 2:00 PM  TSC Clinic Directors’ Meeting

3:00 PM – 3:10 PM  Conference Welcome - Nancy Taylor

3:10 PM – 3:35 PM  Understanding the Function of the TSC1/2 Genes
Cheryl Walker, Ph.D., UT MD Anderson Cancer Center, Smithville, TX

3:35 PM – 4:00 PM  The Clinical Manifestations of TSC
Michael Frost, M.D., Minnesota Epilepsy Group, St. Paul, MN

Session I: Regulation of Growth and Neoplasia in TSC and LAM
Session Chair: Raymond Yeung, M.D., University of Washington School of Medicine, Seattle, WA

4:00 PM – 4:10 PM  Living with TSC and LAM
TBD

4:10 PM – 4:40 PM  Role of TSC Genes in Regulation of Growth and Neoplasia in TSC and LAM
Elizabeth Petri Henske, M.D., Fox Chase Cancer Center, Philadelphia, PA

4:40 PM – 5:00 PM  Cell Migration Defects in TSC and LAM
Vera Krymskaya, Ph.D., University of Pennsylvania Medical Center, Philadelphia, PA

5:00 PM – 5:20 PM  Mechanistic Insights into the Regulation of TSC1-2 and mTOR by Mitogens and Nutrients
Richard Lamb, Ph.D., The Institute of Cancer Research, London, UK

5:20 PM – 5:35 PM  Break

5:35 PM – 5:55 PM  Upstream Effectors of TSC1/2
Kun-Liang Guan, Ph.D., University of Michigan School of Medicine, Ann Arbor, MI

5:55 PM – 6:15 PM  Downstream Effectors of TSC1/2
Brendan Manning, Ph.D., Harvard School of Public Health, Boston, MA
6:15 PM – 6:35 PM  Regulation of mTOR by Polycystin 1 – A Functional Link Between TSC and PKD  
Thomas Weimbs, Ph.D., University of California, Santa Barbara, CA

6:35 PM – 7:00 PM  Renal Cystic Diseases: Diverse Phenotypes Converge on the Cilium/Centrosome Complex  
Lisa Guay-Woodford, M.D., University of Alabama at Birmingham, Birmingham, AL

7:00 PM – 7:15 PM  Invited Speaker TBD

7:15 PM – 7:30 PM  Invited Speaker TBD

7:30 PM – 8:30 PM  Conference Dinner

8:30 PM – 10:00 PM  Poster Session (with dessert)

**Monday, September 24, 2007**

7:00 AM – 8:00 AM  Breakfast

**Session II: The Role of Angiogenesis and Hypoxia**  
Session Chair: Jack Arbiser, M.D., Ph.D., Emory University School of Medicine, Atlanta, GA

8:00 AM – 8:10 AM  Impact of Skin Manifestations of TSC TBD

8:10 AM – 8:40 AM  Hamartomas and Defects in TSC1/2 Signaling  
Thomas Darling, M.D., Ph.D., Uniformed Services University of the Health Sciences, Bethesda, MD

8:40 AM – 9:00 AM  The Biology of Hypoxia: The Role of Oxygen Sensing in Development, Normal Function, and Disease  
M. Celeste Simon, Ph.D., University of Pennsylvania Cancer Center, Philadelphia, PA

9:00 AM – 9:20 AM  Regulation of mTOR Function in Response to Hypoxia by REDD1 and the TSC1/TSC2 Complex  
Jim Brugarolas, M.D., Ph.D., UT Southwestern Medical Center, Dallas, TX

9:20 AM – 9:35 AM  Invited Speaker TBD

9:35 AM – 9:50 AM  Invited Speaker TBD

9:50 AM – 10:05 AM  Invited Speaker TBD

10:05 AM – 10:30 AM  Break
**Session III: Epileptogenesis in TSC: Brain Development, Cell Growth and Migration**

Session Chair: Elizabeth Thiele, M.D., Ph.D., Massachusetts General Hospital, Boston, MA

10:30 AM – 10:40 AM  Impact of Epilepsy in TSC  
TBD  

10:40 AM – 11:10 AM  Brain Development and Tuber Load in TSC  
Peter Crino, M.D., Ph.D., University of Pennsylvania School of Medicine, Philadelphia, PA  

11:10 AM – 11:30 AM  Impaired Glial Function in a Mouse Epilepsy Model of TSC  
Michael Wong, M.D., Ph.D., Washington University School of Medicine, St. Louis, MO  

11:30 AM – 11:50 AM  Impaired Neuronal Function in a Mouse Epilepsy Model of TSC  
Frances Jensen, M.D., Children’s Hospital and Harvard University, Boston, MA  

11:50 AM – 12:10 PM  FDG-PET/MRI Co-Registration and Diffusion-Tensor Imaging in TSC  
Joyce Wu, M.D., UCLA, Los Angeles, CA  

12:10 PM – 12:30 PM  Invited Speaker TBD  

12:30 PM – 12:45 PM  Invited Speaker TBD  

12:45 PM – 2:30 PM  Lunch with Breakout Sessions  
Session I  
Session II  
Session III  

**Session IV: Neuronal Development, Synaptogenesis and Behavioral Phenotypes in TSC**

Session Chair: Ann Hunt, Oxon, UK  

2:30 PM – 2:40 PM  Comments from Individual with TSC  
TBD  

2:40 PM – 3:10 PM  From Genes to a Behavioral Phenotype in TSC  
Petrus de Vries, M.D., Ph.D., University of Cambridge, Cambridge, UK  

3:10 PM – 3:30 PM  Regulation of Neuronal Differentiation in TSC  
Joseph Bateman, Ph.D., Kings College London, London, UK  

3:30 PM – 3:50 PM  Regulators of Rho GTPases in Neuronal Development  
Linda van Aelst, Ph.D., Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
3:50 PM – 4:10 PM  Regulation of Neuronal Morphology and Function by TSC1 and TSC2  
Veronica Alvarez, Ph.D., Harvard Medical School, Boston, MA

4:10 PM – 4:30 PM  Break

4:30 PM – 4:50 PM  Neuronal Connectivity in TSC  
Mustafa Sahin, M.D., Ph.D., Children’s Hospital, Boston, MA

4:50 PM – 5:10 PM  Autism and TSC: What Is the Link?  
Diane Chugani, Ph.D., Children’s Hospital of Michigan, Detroit, MI

5:10 PM – 5:30 PM  Executive Function Issues in TSC  
Deborah McCartney, University of Cambridge, Cambridge, UK

5:30 PM – 5:50 PM  Psychiatric Issues in TSC  
Elizabeth Thiele, M.D., Ph.D., Massachusetts General Hospital, Boston, MA

5:50 PM – 6:05 PM  Invited Speaker TBD

6:05 PM – 6:20 PM  Invited Speaker TBD

6:20 PM – 7:00 PM  Panel Discussion

7:00 PM -  
Dinner on your own in Annapolis

Tuesday, September 25, 2007

7:00 AM – 8:00 AM  Breakfast

Session V: Clinical Manifestations and Therapeutic Opportunities in TSC
Session Chair: John Bissler, M.D., Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

8:00 AM – 8:10 AM  Impact of Participation in TSC Clinical Trials  
TBD

8:10 AM – 8:40 AM  From Genes to Clinical Trials  
David Kwiatkowski, M.D., Ph.D., Brigham and Women’s Hospital, Boston, MA

8:40 AM – 9:10 AM  Is Rapamycin the Miracle Drug for TSC and LAM?  
David Sabatini, Ph.D., Whitehead Institute, Cambridge, MA

9:10 AM – 9:30 AM  TSC Clinical Trials in Europe
Julian Sampson, M.B., Cardiff University, Cardiff, UK

9:30 AM – 9:50 AM  Break

9:50 AM – 10:10 AM  TSC Clinical Trials in U.S.A.
David Franz, M.D. Cincinnati Children’s Hospital,
Cincinnati, OH

10:10 AM – 10:30 AM  Current and Future Clinical Trials
Sandra Dabora, M.D., Ph.D., Brigham and Women’s
Hospital, Boston, MA

10:30 AM – 10:45 AM  Invited Speaker TBD

10:45 AM – 11:00 AM  Invited Speaker TBD

11:30 AM – 1:30 PM  Lunch and Breakout Session
Session IV
Session V

Session VI: Conference Wrap-Up

1:30 PM – 1:50 PM  Session I Summary: Raymond Yeung, M.D.

1:50 PM – 2:10 PM  Session II Summary: Jack Arbiser, M.D., Ph.D.

2:10 PM – 2:30 PM  Session III Summary: Ann Hunt

2:30 PM – 2:50 PM  Session IV Summary: Elizabeth Thiele, M.D., Ph.D.

2:50 PM – 3:10 PM  Session V Summary: John Bissler, M.D.

3:10 PM – 4:00 PM  Discussion

4:00 PM  Meeting Adjourns