Second Annual Innovative Approaches to Brain Tumor Management
Friday, February 10, 2017
at the Seattle Science Foundation

AGENDA

7:30 a.m.  Breakfast & Registration

8 a.m.    Welcome & Announcements
Charles Cobbs, M.D.

8:15 a.m.  Keynote: The Future of Personalized Cancer Medicine
Leroy Hood, M.D., Ph.D., Honored Guest
Objectives:
• Utilize personalized medicine in the treatment of cancer patients

9 a.m.    The Ivy Glioblastoma Atlas Project: A Public Resource
Ralph Puchalski, PhD
Objectives:
• Demonstrate utility of the resource by assessing the convergence of histology, molecular subtype, and genetic signatures for anatomic features and cancer stem cells

9:30 a.m. Clinical Trials with Cancer Stem Cells: The Future of Treatment
Nitin Baliga, Ph.D.
Objectives:
• Illustrate treatment of brain tumors through the cancer stem cell trials

10 a.m.   Panel Discussion: Methods for Overcoming Challenges in Cancer Treatment
All Faculty
Objectives:
• Illustrate current obstacles in cancer treatment and demonstrate effective methods for overcoming challenges

10:30 a.m. Break & Exhibits

10:45 a.m. Brainstem Gliomas in Children: New Strategies for Management
Michael Prados, M.D.
Objectives:
• Describe new ways if managing pediatric GBM

11:15 a.m. The Future of Vaccine Treatment in Brain Cancer: Personalized Immunotherapy
Jerome Graber, M.D.
Objectives:
• Indicate the benefits and obstacles of personalized immunotherapy

11:45 a.m. Panel Discussion: Personalized Medicine
All Faculty
Objectives:
• Practice personalized medicine in current clinical practice for the treatment of brain tumors

12:15 p.m. Lunch, Exhibits & Tour of the Ivy Center (not accredited)
1:15 p.m. **Functional Precision Genomics for Identifying Brain Tumor Therapeutic Targets**  
*Patrick Paddison, Ph.D.*  
**Objectives:**  
- Discuss the mechanism of identifying brain tumor therapeutic targets including genomic application and effectiveness

1:45 p.m. **What Happens?: Interaction of Brain Tumor Stem Cells with the Immune System**  
*Santosh Kesari, M.D., Ph.D.*  
**Objectives:**  
- Describe the natural interaction between brain tumor stem cells and the immune system

2:15 p.m. **Panel Discussion: Predicting Obstacles in Treating Aggressive Brain Tumors**  
*All Faculty*  
**Objectives:**  
- Predict obstacles in treatment of challenging and aggressive brain tumors

2:45 p.m. **Break & Exhibits**

3 p.m. **Treating Viral Activity in Brain Tumors: The Future with Antivirals**  
*Duane Mitchell, M.D., Ph.D.*  
**Objectives:**  
- Indicate the risks and benefits of antiviral therapy

3:30 p.m. **Brain Tumor Biomarkers: Latest Research in Specializing Treatments**  
*Charles Cobbs, M.D.*  
**Objectives:**  
- Utilize biomarkers in the treatment of brain tumors

4 p.m. **Panel Discussion: Benefits of Focused Therapy**  
*All Faculty*  
**Objectives:**  
- Indicate benefits of focused therapy in brain tumor management

4:30 p.m. **Adjourn**
FEATURED FACULTY

Nitin Baliga, Ph.D.
Senior Vice President and Director
Institute for Systems Biology
Seattle, Washington

Santosh Kesari, M.D., Ph.D.
Chair and Professor, Department of Translational Neurosciences and Neurotherapeutics
Pacific Neuroscience Institute
Los Angeles, California

Charles Cobbs, M.D.
Course Chair
Medical Director, Ben & Catherine Ivy Center for Advanced Brain Tumor Treatment
Swedish Neuroscience Institute
Seattle, Washington

Duane Mitchell, M.D., Ph.D.
Director
Brain Tumor Immunotherapy Program
University of Florida
Gainesville, Florida

Jerome Graber, M.D.
Neurologist
Ben & Catherine Ivy Center for Advanced Brain Tumor Treatment
Seattle, Washington

Patrick Paddison, Ph.D.
Associate Member
Human Biology Division
Fred Hutchinson Cancer Research Center
Seattle, Washington

Leroy Hood, M.D., Ph.D.
President and Co-Founder
Institute for Systems Biology
Seattle, Washington

Michael Prados, M.D., FACP
Professor in Residence of Neurological Surgery
Charles B. Wilson MD Endowed Chair
University of California, San Francisco
San Francisco, California

Parvinder Hothi, Ph.D.
Ben & Catherine Ivy Center for Advanced Brain Tumor Treatment
Swedish Neuroscience Institute
Seattle, Washington

Ralph Puchalski, Ph.D.
Research Alliance Manager
Allen Institute for Brain Science
Seattle, Washington