2020 Brain Metastasis Research Symposium

May 8, 2020

7:00 am  Registration and Continental Breakfast
7:45  Opening Remarks

Targeting the Microenvironment in Brain Metastases
Moderators: Anna S. Berghoff, MD, PhD and Patricia S. Steeg, PhD

8:00  Targeting Angiogenesis and the Early Steps of Brain Colonization: New Approaches Against Brain Metastasis
Frank Winkler, MD

8:25  Microenvironmental Contribution of the Choroid Plexus and Cerebral Spinal Fluid in Breast and Brain Metastases
Josh Neman-Ebrahim, PhD

8:50  Comparative Immune Biology Between Brain Metastasis and Primary Gliomas Accounts for Immune Therapeutic Responses
Amy B. Heimberger, MD

Molecular Biology of Brain Metastases – Targeted Therapy
Moderators: James Welsh, MD and Frederick F. Lang, MD

9:15  TBD
Priscilla K. Brastianos, MD

9:35  Molecular, Immune and Metabolic Features of Melanoma Brain Metastasis
Michael A. Davies, MD, PhD

9:55  A New Link with Neurodegeneration: Role for Amyloid Beta in Melanoma Brain Metastasis
Eva Hernando, PhD
Breast Cancer Brain Metastases: Clinical and Scientific Challenges
Rashmi K. Murthy, MD

10:35 Break

Panel Discussion: Brain Penetrant Drugs
Moderators: Rashmi K. Murthy, MD and Barbara O’Brien, MD

10:50 Understanding Patterns of Brain Metastasis in Breast Cancer and Designing Rational Therapeutic Strategies
Carey K. Anders, MD

11:10 Targeting Brain Tumors Using Therapeutic Exosomes
Betty Y.S. Kim, MD, PhD

11:30 Window of Opportunity Approaches and Image Guided Sampling to Measure and Characterize Drug Activity in Brain Metastases
Nelson Moss, MD

Oral Abstracts
Moderators: Mary F. McAleer, MD, PhD and Adrienne A. Boire, MD, PhD

11:50 Oral #1
Presenter TBD

11:58 Oral #2
Presenter TBD

12:06 Oral #3
Presenter TBD

12:14 Oral #4
Presenter TBD

12:22 Oral #5
Presenter TBD

12:30 pm Lunch (provided)
Radiation Interacting with the Immune System – Therapeutic Benefits & Toxicities
Moderators: Jing Li, MD and Fabio Moraes, MD, PhD

1:30 The Challenge of Brain Metastases in Breast Cancer
Silvia Formenti, MD

1:55 Using Radiation to Overcome Checkpoint Resistance
James Welsh, MD (No CME)

2:20 Surgical Management of In-Field Recurrence of Metastatic Lesions in the Era of Immunotherapy
Veronica Chiang, MD

2:45 Break

Concurrent Workshop: Preclinical Models
Moderators: Bisrat G. Debeb, PhD and Manuel Valiente, PhD

3:00 Exploiting the Translational Potential of Established and New Experimental Brain Metastasis Models
Manuel Valiente, PhD

3:18 TBD
Bisrat G. Debeb, PhD

3:36 Cancer Cells Overcome Sparse Extracellular Iron to Support Leptomeningeal Growth
Adrienne A. Boire, MD, PhD

3:54 Melanoma Brain Metastasis: Mechanisms, Models, and Medicine
Sheri L. Holmen, PhD

4:12 Paracellular and Transcytotic Permeability of the Blood-Tumor Barrier in Brain Metastases of Breast Cancer
Patricia S. Steeg, PhD
**Concurrent Workshop: Clinical Trials**

Moderators: Caroline Chung, MD and Hussein Tawbi, MD, PhD

3:00  **Considerations for Immunotherapy Clinical Trial Design in Patients with Brain Metastases**

Hussein Tawbi, MD, PhD

3:36  **TBD**

Priya U. Kumthekar, MD

3:54  **TBD**

Sherise Ferguson, MD

4:12  **TBD**

Vinai Gondi, MD

4:30  Group Photo of Organizing Committee

5:00 pm  Adjourn and Reception/Poster Viewing

6:30  Transportation to Restaurant

7:00 pm  Symposium Dinner
May 9, 2020

7:30 am    Registration and Continental Breakfast

8:30    Report Out from the Workshops

Preclinical Models and Clinical Trials
Hussein Tawbi, MD, PhD and Manuel Valiente, PhD

Oral Abstracts
Moderators: Nana Yeboa, MD and Jianbo Wang, MD, PhD

9:30    Oral #1
Presenter TBD

9:38    Oral #2
Presenter TBD

9:46    Oral #3
Presenter TBD

9:54    Oral #4
Presenter TBD

10:02    Oral #5
Presenter TBD

10:10    Break

Clinical Trial vs. Real World Data
Moderators: Komal Shah, MD and Vinai Gondi, MD

10:30    Optimizing Data Collection to Learn From Every Brain Mets Patient
Caroline Chung, MD

10:45    Biomarkers in Brain Metastases
Anna S. Berghoff, MD, PhD
11:00  Neurocognitive Assessments In Brain Metastasis Patients: Clinical Care vs. Clinical Trial
       Jeffrey S. Wefel, PhD

11:15  Genomic Identification of Brain Metastasis Drivers
       Scott L. Carter, PhD

11:30  Panel Discussion
       Moderators: Carey K. Anders, MD and Priscilla K. Brastianos, MD

       Panelists: Anna S. Berghoff, MD, PhD; Scott L. Carter, PhD; Caroline Chung, MD, Vinai Gondi, MD and Jeffrey S. Wefel, PhD

12:30 pm  Closing Remarks

1:00 pm  Adjourn