

26th Annual Blood-Brain Barrier Meeting
 March 12-13, 2020
 Hilton Portland Downtown, Portland, Oregon
DRAFT Scientific Program

| Thursday, March 12 | | <i>Speakers/Moderators</i> |
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| 7:00 | Breakfast | |
| <i>Updates on Pre-Clinical and Clinical Trials from the Consortium and our Collaborators</i> | | Moderator(s): Prakash Ambady, Nancy Doolittle, TBD |
| 8:00 – 11:10 <i>Blood-Brain Barrier Disruption (BBBD)</i> | Immunological Response to Osmotic BBB Disruption | <i>Scott Burks</i> |
| | Safety and Efficacy of Osmotic BBB Disruption | <i>Kutluay Uluc</i> |
| | Industry Perspective on Drug Delivery Across the BBB | <i>Robert Thorne</i> |
| | <i>Discussion</i> | |
| <i>Current Trials and Future Directions</i> | Update on Maintenance Obinutuzumab for Primary CNS Lymphoma | <i>Nancy Doolittle</i> |
| | Update on Immunotherapy Trials | <i>Prakash Ambady</i> |
| | Update on Preclinical Trials | <i>Leslie Muldoon</i> |
| | <i>Discussion</i> | |
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| <i>Advances in Novel Imaging Techniques</i> | | Moderator(s): William Rooney, Alexander Guimaraes |
| | Ferumoxyltol for Use in Imaging: New Drug Application | <i>Csanad Varallyay</i> |
| | Correlating Imaging with Histopathology | <i>Ramon Barajas</i> |
| | Compliance Data of DSC vs Steady State for FDA Approval | <i>Laszlo Szidonya</i> |
| | Multi-center Safety Results for Off-Label Diagnostic Use of Ferumoxyltol in MRI | <i>Kim-Lien Nguyen</i> |
| | <i>Discussion</i> | |
| 11:10 | <i>Travel Scholarship Awardees</i> | <i>TBD</i> |
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| 11:45 – 12:45 | Lunch | |
| <i>Blood-Labyrinth Barrier (BLB): Approaches to Otoprotection</i> | | Moderator(s): Edward Neuwelt, Sidnei Epelman, TBD |
| 12:45 – 2:15 | Structure and Function of the Strial BLB and Noise-Induced Hearing Loss | <i>Xiao Rui Shi</i> |
| | Clinical Translation of STS Chemoprotection in South America | <i>Sidnei Epelman</i> |
| | Inflammation and Otoprotection | <i>Cymon Kersch</i> |
| | D-Methionine Protection from Noise- and Cisplatin-Induced Hearing Loss | <i>Kathleen C.M. Campbell</i> |
| | <i>Panel Discussion</i> | |

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| Thursday, March 12 (continued) | | <i>Speakers/Moderators</i> |
| <i>Novel Approaches to Enhance Delivery of Therapeutics to the Brain</i> | | Moderator(s): Prakash Ambady, Stuart Grossman |
| 2:30 – 4:05 | Challenges to Drug Delivery (Regadenoson Story) | <i>Stuart Grossman</i> |
| | Enhanced Delivery of Morpholinos Using Low Dose Radiation | <i>Prakash Ambady</i> |
| | Use of Laser Interstitial Thermal to Open the BBB for Brain Tumor Immunotherapy | <i>Jian Campian</i> |
| | Dynamics of Blood-Brain Barrier Opening Using Focused Ultrasound | <i>Paul Lockman</i> |
| | Future of Focused Ultrasound in Brain Tumor Therapy | <i>Joseph Frank</i> |
| | <i>Panel Discussion</i> | |
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| 4:15 | Group Photo | |
| 4:30 | Poster Session, Reception, Networking | |
| 5:45 | Dinner and Introductions | |
| 6:00 | Keynote: Cultivating the Next Generation of Translational Scientists | <i>Stuart Grossman</i> |

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| Friday, March 13 | | <i>Speakers/Moderators</i> |
| 7:00 | Breakfast | |
| <i>New Funding Opportunities for Translational Research on the NVU</i> | | Moderator(s): William Timmer, Bjoern Bauer |
| 8:00-9:20 | NIH Training Awards, NINDS | <i>Amir Tamiz</i> |
| | NIH Training Awards, NCI | <i>William Timmer</i> |
| | NIH Training Awards, BBB Translational Studies within NCATS | <i>Matthew Hall</i> |
| | Diversity Supplements | <i>Marguerite Matthews</i> |
| | FDA Funding | <i>TBD</i> |
| | <i>Roundtable Discussion</i> | |
| <i>Complex Barriers of the CNS: Research Advancements</i> | | Moderator(s): Lester Drewes, Sadhana Jackson |
| 9:35 – 11:15 | Blood-Retinal Barrier | <i>Brandon Lujan</i> |
| | Choroid Plexus: Basic Biology and Clinical Relevance | <i>Neil Dani</i> |
| | Blood-Labyrinth Barrier: Development of a Clinical Practice Guideline for the Prevention of Cisplatin-Induced Ototoxicity in Children | <i>Kay Chang</i> |
| | Glioma-Neuronal Interactions: Implications for Cortical Language Plasticity | <i>Shawn Hervey-Jumper</i> |
| | <i>Panel Discussion</i> | |
| <i>Lysosomal Storage Diseases (LSDs), Barrier Issues and Stem Cell Transplants</i> | | Moderator(s): Lester Drewes |
| 11:15 – 12:15 | Clinical Practices in the Treatment of Neurologic Lysosomal Storage Disorders: 3 Cases | <i>Amy Yang</i> |
| | Background | <i>Troy C Lund</i> |
| | <i>Panel Discussion from the Pre-Clinical and Clinical Perspectives</i> | <i>Troy C Lund, Robert Thorne, William Rooney, TBD</i> |
| 12:15 – 1:45 | Lunch and Poster Viewing | |
| 12:30 – 1:30 | One-on-one Mentor Sessions | <i>TBD</i> |
| <i>Blood-Tumor Barrier: Clinical State of the Field</i> | | Moderator(s): Robert Thorne, Bjoern Bauer |
| 1:45 – 4:20 | Blood-Tumor Barrier and Primary CNS Lymphoma | <i>Matthias Holdhoff</i> |
| | Lung Cancer Brain Metastasis: Insights and Comparisons with Other Cancers | <i>Tiffany Lyle</i> |
| | Parenchymal Metastasis: HER2-Positive Breast Cancer | <i>Rashmi Murthy</i> |
| | Leptomeningeal Metastasis | <i>Adrienne Boire</i> |
| | Neural Circuit Interactions with Brain Cancer Cells | <i>Shawn Gillespie</i> |
| | <i>Panel Discussion/Future of the Field</i> | |

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| Friday, March 13 (continued) | | <i>Speakers/Moderators</i> |
| 4:20 | <i>Meeting Wrap-up</i> | <i>Moderator: Edward Neuwelt</i> |
| | Vision for the Future of Neuro- Oncology and Blood-Tumor Barrier Research | <i>Mark Gilbert</i> |
| | Closing Statements | <i>Prakash Ambady, Robert Thorne</i> |
| 4:50 | Adjourn | |