The Orthotopic Lung Transplant Model for the Development of Non-Invasive Methods to Monitor Lung Inflammation

Andrew E. Gelman, PhD
Maritz Professor of Immunology/Oncology
Washington University School of Medicine

Andrew Gelman, PhD, is the Maritz Professor of Immunology and Oncology at Washington University School of Medicine in the Department of Surgery. His lab's major focus is unraveling the role of innate immunity in pulmonary injury in an overall effort to develop new diagnostic approaches and treatments for lung transplant rejection. To this end, his lab developed the first orthotopic mouse lung transplant model, which has become a widely adopted approach to dissect immune responses to pulmonary grafts. These studies have shed light into the mechanisms of primary graft dysfunction, chronic allograft dysfunction, and antibody-mediated rejection.

Imaging Neuroinflammation in Parkinson Disease

Joel S. Perlmutter, MD
Elliot H. Stein Family Professor of Neurology
Washington University School of Medicine

Joel S. Perlmutter, MD, is the Elliot Stein Family Professor of Neurology and a professor of radiology, neuroscience, physical therapy and occupational therapy. Perlmutter also serves as director of the American Parkinson Disease Association Centers for Advanced Research and as the scientific director of the Dystonia Medical Research Foundation. He leads a research group that focuses on biomarker discovery and studies of the pathophysiology of Parkinson disease, dystonia and related conditions. He has had continuous NIH funding for 37 years and published more than 350 peer-reviewed manuscripts.

Oxidative Stress in Neurodegenerative Diseases

Erik Musiek, MD, PhD
Charlotte and Paul Hagemann Professor of Neurology
Washington University School of Medicine

Erik Musiek, MD, PhD, is the Hagemann Professor of Neurology at Washington University School of Medicine in St. Louis and co-director of the Center on Biological Rhythms And Sleep (COBRAS). Musiek's lab focuses on how the circadian clock regulates neuronal and glial function, and examines mechanisms linking clock dysfunction, inflammation and oxidative stress to Alzheimer's disease. He is the recipient of the Zeritsky Resident Research Award, Kopolow Award for Aging Research and is a member of the American Society for Clinical Investigation.

Imaging Innate and Adaptive Immune Responses in Multiple Sclerosis

Caroline Guglielmetti, PhD
Assistant Professional Researcher
University of California San Francisco

Caroline Guglielmetti, PhD, is an assistant professional researcher at the University of California San Francisco. Guglielmetti’s research focuses on understanding the role of the immune system in the progression of cerebral diseases, particularly multiple sclerosis. Her research specifically aims to identify novel, clinically relevant MR and PET biomarkers to track disease progression and therapeutic responses. Guglielmetti earned her doctorate from the University of Antwerp, Belgium.
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<th>Time</th>
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<tr>
<td>12:30 pm</td>
<td><strong>Plenary Speaker</strong>&lt;br&gt;The Orthotopic Lung Transplant Model for the Development of Non-Invasive Methods to Monitor Lung Inflammation&lt;br&gt;Andrew E. Gelman, PhD&lt;br&gt;Maritz Professor of Immunology and Oncology&lt;br&gt;Washington University School of Medicine</td>
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<td>1:15 pm</td>
<td><strong>Oxidative Stress in Neurodegenerative Diseases</strong>&lt;br&gt;Erik S. Musiek, MD, PhD&lt;br&gt;Charlotte and Paul Hagemann Professor of Neurology&lt;br&gt;Washington University School of Medicine</td>
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<td>1:35 pm</td>
<td><strong>Break</strong></td>
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<tr>
<td>1:50 pm</td>
<td><strong>Plenary Speaker</strong>&lt;br&gt;Imaging Neuroinflammation in Parkinson Disease&lt;br&gt;Joel S. Perlmutter, MD&lt;br&gt;Elliot H. Stein Family Professor of Neurology&lt;br&gt;Washington University School of Medicine</td>
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<td>2:35 pm</td>
<td><strong>Imaging Innate and Adaptive Immune Responses in Multiple Sclerosis</strong>&lt;br&gt;Caroline Guglielmetti, PhD&lt;br&gt;Assistant Professional Researcher&lt;br&gt;Department of Physical Therapy and Rehabilitation Science&lt;br&gt;University of California San Francisco</td>
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<td>3:00 pm</td>
<td><strong>Poster Session</strong></td>
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*all times CST*