Resolving Inflammation & Infections: Resolvins and Their Novel Pro-Resolving Functions
Plenary Speaker

Charles Serhan, PhD, DSc
Simon Gelman Professor of Anaesthesia
Brigham and Women’s Hospital
Harvard Medical School

Charles N. Serhan, PhD, DSc, is the Simon Gelman Professor of Anesthesia at Harvard Medical School and a professor of oral medicine, infection and immunity at Harvard School of Dental Medicine. Serhan is the director of the Center for Experimental Therapeutics and Reperfusion Injury at Brigham and Women’s Hospital and co-director of the Brigham Research Institute. He has led multidisciplinary research teams as PI/PD for several NIH-supported Program Project Grants and a P50 Center Grant, and he is currently program director for “Resolution Mechanisms in Acute Inflammation: Resolution Pharmacology.” Serhan has also received several research awards including an NIH MERIT, the Ross Prize in Molecular Medicine, the International Eicosanoid Research Foundation’s Lifetime Achievement Award, the American Society of Investigative Pathology Rous Whipple Award, and the British Pharmacology Society’s Gaddum International Prize and Award Lecture.

Can We Use CCR2 PET to Phenotype Lung Disease?

Steven L. Brody, MD
Dorothy R. and Hubert C. Moog Professor of Pulmonary Medicine
Washington University School of Medicine

Steven L. Brody, MD, is the Moog Professor of Pulmonary Medicine at Washington University School of Medicine. Since joining the faculty in 1994, Brody's work has focused on mechanisms of airway epithelial cell differentiation as related to lineage decisions of basal cells to ciliated and secretory cells, as related to asthma and chronic obstructive lung disease. More recently, he worked with MIR to investigate the fate of radiolabeled nanoparticles used for lung imaging and the role of CCR2 in lung fibrosis.

Imaging Malignant Pancreatic Tissue by Cu-64 Labeled Peptide Ligands

Lingyi Sun, PhD
Research Associate
Oregon Health & Science University

Lingyi Sun, PhD, is a research associate at Oregon Health & Science University currently developing novel PET tracers and technologies for cancer diagnosis and therapy. After earning his doctorate in medicinal chemistry at the National University of Singapore in 2013, Sun went on to the University of Pittsburgh School of Medicine for postdoctoral training in molecular imaging, where he mastered skills such as radiolabeling, small animal PET imaging and ex vivo biodistribution studies.
PET-RTRC Scientific Session

Plenary Topic: Targeting the Immune Response to Disease or Injury

Visualizing Immune Responses Using ImmunoPET

Plenary Speaker

Anna Wu, PhD
Professor and Chair, Department of Immunology and Theranostics
Beckman Research Institute of the City of Hope

Anna M. Wu, PhD, is a professor and chair of the Department of Immunology and Theranostics and co-director of the Center for Theranostic Studies at the Beckman Research Institute of City of Hope. Wu has a joint appointment as a professor of radiation oncology, and she is a research professor of molecular and medical pharmacology at the David Geffen School of Medicine at the University of California, Los Angeles. A fellow and past president of the World Molecular Imaging Society, Wu’s research interests include engineered antibodies and proteins for targeting, imaging, and therapeutic applications in cancer and immunology. She is the cofounder and chief scientific advisor to ImaginAb, Inc. Wu received her bachelor’s degree from Harvard University and doctorate in molecular biophysics and biochemistry from Yale University.

Accumulation and Dissemination of Molecules and Cells from Sites of Inflammation

Gwendalyn J. Randolph, PhD
Emil R. Unanue Distinguished Professor Department of Pathology & Immunology
Washington University School of Medicine

Gwendalyn J. Randolph, PhD, is the Emil R. Unanue Professor of Immunobiology and director of the Immunology Graduate Program in the Department of Pathology at Washington University School of Medicine in St. Louis. Randolph’s work has defined identity, subsets, and functions of monocytes in humans and mice, and her laboratory has defined the role of chemokine receptors in monocyte recruitment to atherosclerotic plaques. More recently, she has begun working on the clearance of immune cells and molecules from other chronic disease conditions, particularly inflammatory bowel disease.

Exploring the Fluorine Chemistry to Develop the $[^{18}F]$FS1PI as a Promise F-18 Radiotracer for Imaging S1PR1 in vivo

Lin Qiu, PhD
Postdoc Research Associate
Washington University School of Medicine

Lin Qiu, PhD, is a postdoctoral research associate under the mentorship of Zhude Tu, PhD, at Mallinckrodt Institute of Radiology at Washington University School of Medicine. Qiu’s research focuses on developing novel F-18 PET imaging tracers for quantifying receptors, enzymes and transporters in the central nervous system. He completed his postdoctoral training in medicinal chemistry at Central South University following a bachelor’s degree in chemistry and doctorate in organic chemistry from East China Normal University.