

Research Forum

Hosted by the Department of Medicine Office for Research

Wednesday, November 6th, 2024

12:00-1:00 pm

Via Zoom Only

Join Zoom Meeting

<https://msu.zoom.us/j/99899924337?pwd=CPTYSOLq9eqSm6XhPvPd1G8cB5UPua.1>

Meeting ID: 998 9992 4337

Passcode: 613779

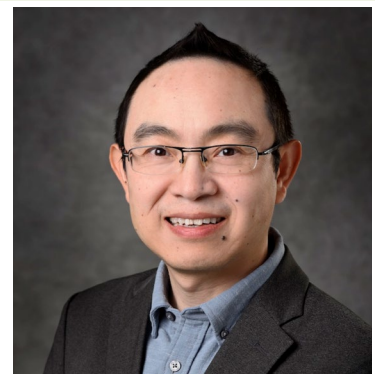
“Advances in Image-Guided Therapy: Bridging the Gap in Treatment for Type 1 Diabetes and Pulmonary Diseases”

Goals:

1. Explain the cutting-edge technologies and methods in image-guided cell therapy, with a focus on how they improve precision in treating both type 1 diabetes and pulmonary diseases.
2. Demonstrate how nanotheranostics facilitate personalized treatment plans by targeting specific disease mechanisms of type 1 diabetes and lung diseases.
3. Discuss future possibilities for integrating new technologies and therapies to further enhance patient outcomes in diabetes and pulmonary care.

Ping Wang, MD, Ph.D.

**Assistant Professor
Department of Radiology
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Dr. Ping Wang is a tenure-track Assistant Professor in the Department of Radiology and Precision Health Program at Michigan State University (MSU). Before joining MSU in 2018, he was an Instructor in Radiology at Harvard Medical School (2014-2017) after obtaining his postdoctoral training at the Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital (2009-2014). Dr. Wang's research work focuses on image-guided cell-based therapy for type 1 diabetes (T1D). Over the past several years, he initiated several projects aimed at developing novel imaging techniques for monitoring human induced pluripotent stem cell (iPSC)-derived islet organoid transplantation in T1D animal models. His group has also successfully designed and synthesized nanodrugs for the treatment of pulmonary diseases. Dr. Wang is a member of Academy for Radiology & Biomedical Imaging Research CECL² (2022-2023) and Scialog: Advancing Bioimaging Fellow (2021-2023).