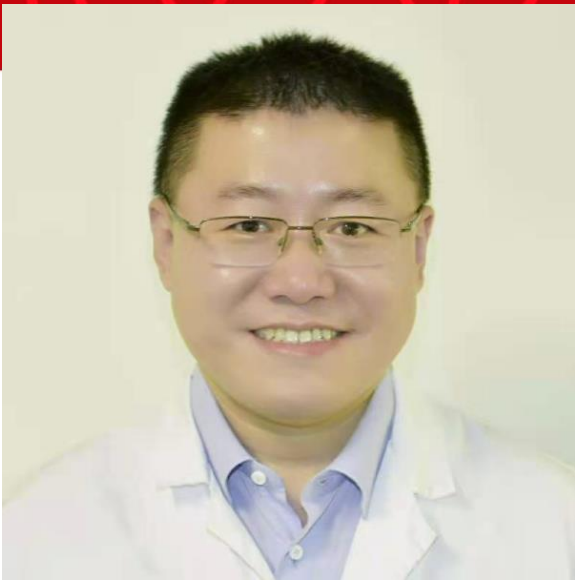


# MEDICAL PHYSICS SEMINAR SERIES



**Kuangyu Shi, PhD**

*Associate Professor,  
Department of Nuclear Medicine,  
University of Bern, Switzerland*

**Monday, October 4, 2021**

**4:00PM (CT) via Webex**

**[medphysics.wisc.edu/seminars](https://medphysics.wisc.edu/seminars)**

## Artificial intelligence in total-body PET and theranostics

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Recent advances in total-body PET and nuclear medicine theranostics bring new opportunities for precision medicine. On the other side, the increased complexity makes the exploration of the potential of the new instrument and therapy more challenging. This talk will share some developments of artificial intelligence in total-body PET and theranostics in Bern from the perspectives of imaging optimization, diagnosis assistance, and treatment planning. It will also discuss the potentials and challenges during the development of AI technology for nuclear medicine.



**School of Medicine  
and Public Health**  
UNIVERSITY OF WISCONSIN-MADISON