



Biomedical Informatics Grand Rounds



AI in Radiology: From Developing Algorithms to Driving Adoption

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**Wednesday, Nov 5th, 2025
3:00 pm - 4:00 pm**

Location: MART Building, Room: 7M-0602 (7th Floor)

Remote Access

Join Zoom meeting <https://stonybrook.zoom.us/j/95617197636?pwd=KytzZ2pVRG9SZGpKZUtpNXJISjNjZz09>

Meeting ID: 95617197636

Passcode: 924293

Educational objectives:

1. Describe the essential steps in developing AI models in radiology, including dataset curation, preprocessing, annotation, and model selection.
2. Differentiate between major deep learning architectures- such as convolutional neural networks (CNNs), recurrent neural networks (RNNs), and vision transformers (VITs)- and their applications in imaging tasks.
3. Evaluate AI model performance using appropriate validation strategies, with attention to generalizability, bias mitigation, and interpretability.
4. Discuss strategies for integrating validated AI tools into radiology workflows.

Disclosure Statement: The faculty and planners have no relevant financial relationship with ineligible companies, whose primary business is producing, marketing, selling, reselling, or distributing health care products used by or on patients.

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