



Biomedical Informatics Grand Rounds



Robust Machine Learning for Biomedical Data: Efficiency, Reliability, and Generalizability

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**Wednesday Mar 11th, 2026
3:00 pm - 4:00 pm**

Remote Access

Join Zoom meeting

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

Meeting ID: 95617197636

Passcode: 924293

Educational objectives:

1. Describe common sources of instability and performance degradation in clinical machine learning systems.
2. Understand methodological approaches for learning from limited, imbalance, or imperfect biomedical data.
3. Explain why theoretical guarantees can be important in safety-critical applications.
4. Recognize strategies for improving generalization across institutions and patient populations.

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.

Continuing Medical Education Credits: The School of Medicine, State University of New York at Stony Brook, is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The School of Medicine, State University of New York at Stony Brook designates this live activity for a maximum of **1 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.