



# *Biomedical Informatics Grand Rounds*



## **LLMs for Clinical Decision Support and Patient Messaging: Agents, RAG, and Deployment**

*Siru Liu Ph.D.*

*Assistant Professor, Biomedical Informatics  
and Computer Science, Vanderbilt University*

**Wednesday Apr 1st, 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 the application of an LLM-powered multi-agent system as a scalable approach for optimizing clinical decision support tools like order sets.
2. Explain the role of RAG, particularly with knowledge graphs, in improving LLM performance and safety for triaging patient portal messages.
3. Identify key strategies and challenges for translating LLM research from experimental evaluation to real world clinical implementation.

**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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