ANALYTICAL SEMINAR

Multimodal Electrochemical Imaging

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Collecting nanoscale electrochemical information has become almost common place in recent years, owing to significant advances in tools like scanning ion conductance microscopy (SICM), scanning electrochemical cell microscopy (SECCM) and scanning electrochemical microscopy (SECM). New approaches in instrument control and data analysis prove especially useful for faster, more information rich data collection. We have recently reported (or presently working on) tools that incorporate electrochemical imaging with cyclic voltammetry, measurements of cellular mechanics, and mass spectrometry. These results and very simple methods used to integrate machine learning into the instrumentation will be described.

📅 *Tuesday, October 7th, 2025*   🕐 *3:30 pm*   📍 *WTHR 172*

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