



# Problem solvers needed!

# DATA SCIENCE CHALLENGE

July 22 – August 2, 2024



## The Challenge

### Cardiac Electrocardiography Using Machine Learning

Solve an exciting problem in cardiology! The electrocardiogram (ECG) provides a noninvasive, cost-effective diagnosis of heart conditions, but the standard 12-lead ECG is inadequate for mapping the heart's electrical activity in sufficient detail for many clinical applications.

In this Challenge, you will explore a data-driven approach to reconstructing electro-anatomical maps of the heart at clinically relevant resolutions, combining input from the standard 12-lead ECG with advanced machine learning techniques.

**INFORMATION SESSION: Tuesday, February 13 | 2:00–3:00pm**

UC Riverside | WCH 205/206

Register on  
**Handshake**

Register Now

\* The Data Science Challenge is a two-week, full-time commitment at LLNL. Participants will receive a stipend.

### QUESTIONS?



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