



# RMB CVRC Seminar

The Robert M. Berne Cardiovascular Research Center Presents

## Valentina Lo Sardo, PhD

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### **TAKING THE RISK: Stem cell-based functional genomics to uncover cardiovascular risk**

The Lo Sardo laboratory combines pluripotent stem cell potential and functional genomics to understand how common genetic variants among individuals, including those in non-coding portions of the genome, contribute to altering cell physiology, cell state, and fate commitment.

Emphasis is posed on understanding non-coding risk factors, cell-type vulnerability, as well as ethnicity-based vulnerability to complex human diseases. Using multidisciplinary approaches, including pluripotent stem cell differentiation, genome editing, transcriptomics, imaging, and proteomics, my lab aims to identify new molecular mechanisms triggering cardiovascular disease and cancer.

#### Contact:

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**Thursday November 16<sup>th</sup>, 2023**  
**11:00 AM-12:00 PM**  
**MR5 Room 3005**

**Hosted by: Mete Civelek, PhD**  
**\*\*Refreshments served\*\***