

BPS *Bulletin*

THE NEWSLETTER OF THE BIOPHYSICAL SOCIETY

Biophysical Society



Celebrating 10 Years of Biophysics Week!

Biophysics Week Seminar at the University of Milano University of Milano-Bicocca, Bicocca, Italy

As part of Biophysics Week 2025, the Department of Biotechnology and Biosciences at the University of Milano-Bicocca hosted a seminar by [William E. Louch](#) (University of Oslo). In his talk, "Nanoscale Control of the Heartbeat," Louch presented pioneering research on how nanoscale remodeling of dyadic structures, key sites of Ca^{2+} release in cardiomyocytes, regulates cardiac function. His findings reveal structural features optimizing Ca^{2+} signaling in the healthy heart and how their stress-induced disruption contributes to heart failure, thus highlighting novel therapeutic targets for restoring cardiac function. The event was organized by [Francesco Lodola](#) and [Antonio Zaza](#), with the valuable support of [Antonella Ronchi](#) and [Reinaldo Alvarez](#). Attendees, including students and researchers, gained insights into how advanced imaging and biophysical techniques are transforming our understanding of cardiac physiology. The seminar fostered engaging discussions on therapeutic implications and emerging technologies, reinforcing the importance of interdisciplinary approaches in biophysics.

