



Thursday
29 JUL

12:00 noon

(Italy Time)

The meeting will be
held in English

More info at:
www.incardio.eu



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“Modeling and Simulation of cardiac electrophysiology”

Host: S. Zacchigna

In this talk an overview about and introduction into the possibilities of modeling and in-silico simulating electrophysiological behavior of cardiac cells and compounds is given. The forward problem of electrophysiology will be explained, and practical application of the so-called inverse problem of electrophysiology – Non-Invasive Imaging of Cardiac Electrophysiology (NICE) – will be introduced. Also, patient-individual results of NICE, which were validated with interventions in the electrophysiology lab will be addressed and shown.

For consideration of mechanical forces and their possible implications on proliferation of myocardial cells as an outlook the potential links between electrophysiological and electro-mechanical modeling and simulation approaches will be addressed and discussed

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