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Istituto di Biologia Cellulare e Neurobiologia
Institute of Cell Biology and Neurobiology
IBCN

AVVISO DI SEMINARIO
SEMINAR ANNOUNCEMENT

cAMP: from long range messenger to nano-domain signalling

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Friday, 21 October 2016

14:00 – 15:30

Monterotondo CNR Seminar Room, Building 21

Highlights

cAMP has been classically considered to be a diffusible, long range-acting second messenger. In recent years however, a new paradigm has emerged whereby cAMP signalling requires spatial confinement of signal propagation in order to achieve specificity of response. We are using real-time imaging and FRET-based probes to study the spatio-temporal dynamics of cAMP in intact living cells. The seminar will focus on some earlier work from my group and some more recent unpublished findings illustrating compartmentalized cAMP signalling and its functional relevance in normal and pathological conditions using cardiac myocytes as a model system.

Host: Prof Fabio Mammano