



Consiglio Nazionale
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CNR

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

AVVISO DI SEMINARIO
SEMINAR ANNOUNCEMENT

Auto-regulation of membrane transport by control systems: mechanisms of performance

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Via Pietro Castellino 111 - 80131 Napoli

Friday, 1 July 2016

11:00 – 12:30

Monterotondo CNR Seminar Room, Building 1

Highlights

Progression/maturation of Golgi compartments

Fission of pleiomorphic transport carriers

Correlative video-electron microscopy

Control systems of the transport apparatus

The biosynthetic pathway assembles, processes and delivers proteins (30% of proteome) and lipids to most cellular destination. It is the main organizer of eukaryotic cells. It must perform in a robust, optimal, efficient, precise and safe fashion in the face of a variety of changes in external and internal conditions and perturbations, and it must coordinate its activity with other cellular modules. It does so by virtue of control and coordination systems. The molecular composition and organizational design of such systems will be discussed.

Host: Prof Fabio Mammano