



## Colloquium

# The Institute Colloquium: Protein evolution and protein engineering

**José Manuel Sanchez Ruíz**

Universidad de Granada

Host:

Laboratory resurrection of ancestral proteins has been shown to provide insight into the ancient properties of biomolecules as well as the intracellular and extracellular environments hosting these proteins (1-3). Recently, laboratory resurrection efforts have been reported to successfully target billion years old Precambrian nodes in the evolution of several proteins (4-6). The characterization of laboratory resurrections of Precambrian proteins in terms of structure, stability and function will be described. The biotechnological potential of the extreme properties found for some resurrected Precambrian proteins (such as hyperstability and enhanced promiscuity) will be discussed.

**Monday, June 24, 2013 04:30pm - 05:30pm**

Raiffeisen Lecture Hall, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.