



中国科学院上海巴斯德研究所  
INSTITUT PASTEUR OF SHANGHAI  
CHINESE ACADEMY OF SCIENCES



# Seminar

## Computational biology, mechanotransduction and autoimmune diseases



**[Speaker]** Dr. Christine Nardini

**[Time]** 13:30-15:00PM, May 17, 2017

**[Host]** Yuanhua Liu

**[Venue]** A0201 ,Life Science Research Building

### [Speaker Introduction]

- 2016-now Associate CNR IAC Rome
- 2008-2014. Principal Investigator and Full Professor at Max Planck Institute-CAS-MPG PICB

### [Research Focus]

With the technological revolution brought in by high-throughput biology, exact sciences have fiercely entered the realm of live sciences, with approaches supporting applications ranging from molecular biology to medicine, with the recent and particular focus on evidence-based medicine.

Over the time of this talk Dr. Christine Nardini will present the tools we developed with bases rooted in engineering and exact sciences (network construction, reconstruction and simulations) to approach a specific theme in medicine: degenerative diseases, a class of systemic, often autoimmune and chronic maladies, with no cure, consequent high societal costs and spreading at very fast pace worldwide.