

CRYO-ELECTRON MICROSCOPY IN STRUCTURAL BIOLOGY:

paving the way towards precision
biomedicine and biotechnology

A Conference in memory of Emilia Chiancone

Cryo-electron microscopy is revolutionizing the understanding of physiology and pathology and it will allow us to design therapies with an unprecedented insight of biological targets.

It is of crucial importance that the larger public and scientific community achieve awareness of this scientific revolution, awarded the Nobel Prize in 2017.

We wish to honor the memory of Prof. Emilia Chiancone, who championed an integrative approach to biomedicine through excellent biochemistry and integrative structural biology in a synergy between Academia and CNR.



SAPIENZA
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Consiglio Nazionale
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EMBO
excellence in life sciences



ThermoFisher
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10th October 2019

Sapienza University of Rome, Sala Odeion

9.30-10.00 Opening ceremony

Prof. Eugenio Gaudio

President of Sapienza University of Rome

Prof. Maurizio Brunori

Accademia Nazionale dei Lincei and
Sapienza Emeritus Professor

10.00-13.00

Session: CryoEM and biomedicine Part I

Prof. Ben F. Luisi

Cambridge University (Cambridge, UK)

Prof. Daniela Rhodes

Nanyang Technological University (Singapore)

Dr. Giovanna Scapin

Merck (Kenilworth, NJ, USA)

Prof. Martino Bolognesi

Universtà di Milano (Milano, Italy)

14.00 - 15.30

Session: CryoEM and biomedicine Part II

Prof. Filippo Mancia

Columbia University (NYC, USA)

Prof. Beatrice Vallone

Sapienza Università di Roma (Roma, Italy)

15.30-17:30

Session: CryoEM sheds light on dynamical processes

Dr. Kiyoshi Nagai

Medical Research Council (Cambridge, UK)

Prof. Gebhard Schertler

Paul Scherrer Institute (Villigen, CH)

Prof. Giuseppe Zanotti

Università di Padova (Padova, Italy)

11th October 2019

CNR, Sala Convegni

9.30-10.00 Welcome by the CNR

President Prof. Massimo Inguscio

Eulogy of Prof. Emilia Chiancone

10.00-13.00

Session: CryoEM sheds light on dynamical processes

Dr. Jürgen M. Plitzko

Max Planck Institute (München, Germany)

Dr. Peter Rosenthal

The Francis Crick Institute (London, UK)

Prof. Bram Koster

Leiden University (Leiden, The Netherlands)

14.00-16.30

Session: The methodology and its developments

Prof. A. Des Georges

CUNY (NYC, USA)

Dr. E. D'Imprima

Max Planck Institute (Frankfurt, Germany)

Talks from ThermoFisher, Jeol and Gatan

Dr. Giuseppe Cannone

Medical Research Council (Cambridge, UK)

16.30-17.30

Round table on CryoEM:

development of networks and infrastructures

Panellists: Ben Luisi, Martino Bolognesi,
Daniela Rhodes, Marco Rossi, Giovanna Scapin,
Giuseppe Cannone, Willa Appel, Gerry Melino

Scientific Committee: A. Boffi, B. Botta, A. Ilari, P. Lavia,
L. Federici, F. Mancia, A.E. Miele, D. Rhodes, B. Vallone.

Organizing Committee: B. Vallone, C. Savino, A. Ilari,
L.C. Montemiglio, G. Giardina, A. Di Matteo, F. Angelucci,
A. Fiorillo, G. Boumis, L. Federici, C. Exertier.

Chair: M. Brunori, P. Lavia, A. Luini, W. Appel.