

GENERAL INFORMATION

CONFERENCE LOCATION

PALAZZO VISTARINO

Via Sant'Ennodio, 26 - 27100 Pavia (IT)

Phone: 0382.986959 - www.palazzovistarino.it

ORGANIZING SCIENTIFIC COMMITTEE

Local members (Department of Molecular Medicine, Biochemistry Unit, University of Pavia):

Prof Vittorio Bellotti; Dr Sofia Giorgetti; Dr P. Patrizia Mangione; Dr Giulia Faravelli;

Dr Sara Raimondi.

International members:

Prof Gennaro Esposito (Science&Math Division, NY University Abu Dhabi, Saadiyat Campus, Abu Dhabi, UAE);

Prof Yuji Goto (IPR, Osaka University, Japan)

EVENT ORGANIZED BY

STUDIO CONGRESSI S.R.L.

Viale della Libertà, 17 - 27100 Pavia (IT)

Phone: 0382 21424 - Fax 0382 303082

info@studio-congressi.com - www.studio-congressi.com

REGISTRATION

If you wish to participate in the above-mentioned conference, please fill in and send the "Application Form" to the Organizing Secretariat **Studio Congressi srl** via fax: +39 (0)382.303082 or http://www.studio-congressi.com/calendario_eventi.php The dead-line to enrol is Dec. 10 2019.

MAX. NUMBER OF PARTICIPANTS: 70

Towards a cure for amyloid diseases: a successful example of precision and translational medicine PALAZZO VISTARINO - PAVIA 16-19 DECEMBER 2019



*Claude L. Chalet: (1753-1794)
PAVIA, COVERED BRIDGE WITH FISHERMEN IN THE FOREGROUND
Pen and black ink and watercolor*

In collaboration with:



Core-to-Core Program



UNIVERSITÀ
DI PAVIA

MEETING AGENDA

Monday, December 16 2019

18.30-19.00 Opening Ceremony introduced by **Vittorio Bellotti**

The Provost of Pavia University

The Major of Pavia

The Delegate of the Japanese Consulate in Milan

19.00-20.00 Opening Lecture (Chair: **Vittorio Bellotti**)

Speaker: **Yukio Ando** "Novel insights in the pathogenesis of hereditary ATTR amyloidosis"

20.15 Welcome Reception at [Palazzo Vistarino](#)

Tuesday, December 17 2019

1. Process of protein misfolding in a biocompatible environment

Chair: **Vittorio Bellotti**

9.00-9.20 **Hideki Mochizuki** "Is Parkinson's disease systemic amyloidosis?"

9.25-9.45 **Johannes Buchner** "Dissecting the mechanism of antibody light chain amyloidosis"

9.50-10.10 **Alessandra Corazza** "NMR reveals local and long-range effects on transthyretin structure following ligand binding"

10.15-10.35 **Marcus Fändrich** "Cryo-EM structures of amyloid fibrils from patient tissue"

10.40-11.00 Coffee break

11.00-11.20 **Louise Serpell** "Proteins at the centre of neurodegeneration in Alzheimer's disease"

11.25-12.30 Round Table, Chair: **Johannes Buchner**

13.00-14.30 Lunch at Palazzo Vistarino

2. Mechanism of formation of amyloid nuclei *in vivo* and *in vitro*.

Chair: **Gennaro Esposito**

15.00-15.20 **Yuji Goto** "Comprehensive understanding of supersaturation-limited protein aggregation"

15.25-15.45 **Paul Fraser** ""Therapeutics targeting amyloid-mediated synaptic toxicity in Alzheimer disease"

15.50-16.10 **Yoshiaki Furukawa** "Demetallated Cu/Zn-superoxide dismutase as a pathogenic entity causing neurodegeneration"

16.15-16.35 **Hirotsugu Ogi** "Time-resolved in-situ monitoring of aggregation reaction of A β peptides by liquid-cell TEM"

16.40- 17.00 **Cristina Cantarutti** "Molecular knots: a possible approach to interfere with β 2m fibrillogenesis"

17.00-17.20 Coffee Break

17.00-18.30 Poster Session // Free evening

Wednesday, December 18 2019

3. Role of amyloid seeds in disease acceleration.

Chair: **Yuji Goto**

9.25-9.45

9.50-10.10

10.15-10.35

10.40-11.00

11.00-12.30

13.00-14.30

4. Mechanism of physiological protection against amyloid formation.

Chair: **Paul Fraser**

15.00-15.20 **John Carver** "Amyloid fibrils and molecular chaperones"

15.25-15.45 **Keiichi Higuchi** "Mouse systemic amyloidosis: Pathogenesis and prevention"

15.50-16.10 **Gunilla Westermark** "Interaction of IAPP with endogenous proteins"

16.15-16.35 **Luana Fioriti** "SUMO mimetics as innovative inhibitors of synaptic toxicity in pre-clinical models of dementia"

16.40-17.00 Coffee break

17.00-18.30

20.30

Round Table, Chair: **J. Kardos**

Social dinner at Palazzo Vistarino

Thursday, December 19 2019

5. Mechanism of tissue damage caused by amyloid conformers.

Chair: **Per Westermark**

9.00-9.20 **Fabrizio Chiti** "Mechanisms of cell dysfunction caused by misfolded protein oligomers"

9.25-9.45 **Yoshitaka Nagai** "Disease-modifying therapy for the polyglutamine diseases targeting protein misfolding and aggregation"

9.50-10.10 **Christoph Rocken** "Amyloidosis – more than a misfolded peptide aggregate"

10.15-10.35 **Maria J. Saraiva** "Pre-clinical studies in a V30M rodent model: contribution towards elucidation of tissue damage mechanisms"

10-40-11.00 Coffee break

11.00-12.30 Round Table, Chair: **Kazumasa Sakurai, Masatomo So**

13.00-14.30 Lunch at Palazzo Vistarino

6. Critical issues emerging from the current therapeutic strategies targeting the molecular mechanisms of the disease

Chair: **Julian D. Gillmore**

15.00-15.30 **Claudio Rapezzi** "Pathophysiology of amyloid in the heart"

15.30-16.00 **C. Cristina Quarta** "Treating cardiac amyloidosis: where are we?"

16.00-16.30 **Laura Obici** "What drives phenotypic heterogeneity in hereditary ATTR? Impact on natural history and response to treatment"

16.30-17.00 **Stefan Schönland** "Can Genetics explain AL Amyloidosis?"

17.00- 17.30 Closing Remarks by the Organising Committee

INVITED SPEAKERS

Prof Yukio Ando, Kumamoto University, Japan
 Prof Johannes Buchner, Munich Technical University, Germany
 Dr Cristina Cantarutti, University of Nice Sophia Antipolis, France
 Prof John A. Carver, ANU, Acton, Australia
 Prof Fabrizio Chiti, Florence University, Italy
 Dr Alessandra Corazza, Udine University, Italy
 Prof Marcus Fändrich, Ulm University, Germany
 Dr Luana Fioriti, Plico Biotech, New York, USA
 Prof Yoshiaki Furukawa, Keio University, Japan
 Prof Julian D. Gillmore, University College London, UK
 Prof Yuji Goto, IPR – Osaka University, Japan
 Prof Keiichi Higuchi, Shinshu University, Japan
 Prof Kensuke Ikenaka, Osaka University, Japan
 Prof Giampaolo Merlini, Pavia University, Italy
 Prof Hideki Mochizuki, Osaka University, Japan
 Prof Yoshitaka Nagai, Osaka University, Japan
 Dr Laura Obici, Policlinico S. Matteo, Pavia, Italy
 Prof Hirotsugu Ogi, Osaka University, Japan
 Dr C. Cristina Quarta, Alexion Pharmaceuticals, Cambridge and University College London, UK
 Prof Claudio Rapezzi, University of Bologna, Italy
 Prof Christoph Röcken, UKSH, Kiel, Germany
 Prof Maria J. Saraiva, University of Porto, Portugal
 Prof Louise C. Serpell, University of Sussex, Falmer, UK
 Prof. Stefan Schönland, Amyloidosis Center, University of Heidelberg, Germany
 Prof Gunilla Westermarck, Uppsala University, Sweden
 Prof Paul E. Fraser, Toronto University, Toronto, Canada

INVITED CHAIRMEN

Prof Jozsef Kardos; Eötvös Loránd University, Budapest, Hungary
 Prof Per Westermarck; Uppsala University, Sweden
 Prof Eri Chatani, Kobe University, Japan
 Prof Masaru Hoshino, Kyoto University, Japan
 Prof Kazumasa Sakurai, Kindai University, Japan
 Prof Masatomo So, IPR-Osaka University, Japan

HOTEL INFORMATION

With regard to the hotel reservation, please note that **Studio Congressi s.r.l.** has provisionally booked for our guests approx. 90 rooms located in Pavia city centre. *We would appreciate if you could indicate your preference as regards the above-mentioned hotels/888/University Colleges. We will be pleased to book a room for you. Reservation dead-line: Sept. 15th.*

The costs listed above are per night.

All payments for bookings will be carried out by the guests directly at the hotel.

As part of your booking, you may be required to provide details of a credit or debit card.

After your booking has been completed and submitted, you will receive an e-mail from us acknowledging your booking.

- ☐ **HOTEL MODERNO** <http://www.hotelmoderno.it/> (25 rooms)
Euro 157, 50 (Single Room)
Euro 173, 25 (Double Room)
- ☐ **HOTEL AURORA** <http://www.hotel-aurora.eu/DefaultEN.aspx> (10 rooms)
Euro 128, 40 (Single Room)
- ☐ **888 "LE STANZE DEL CARDINALE"** www.lestanzedelcardinale.com (8 rooms)
(1) Jr. Suite: Euro 168, 00 (Single occupancy) / Euro 194, 25 (Double occupancy)
(2) Single Room: Euro 110, 25
(1) Double Room: Euro 131, 25 (Single occupancy) / Euro 157, 50 (Double occupancy)
(3) De Luxe: Euro 152, 25 (Single occupancy) / Euro 178, 50 (Double occupancy)
(1) Dependence: Euro 131, 25 (Single occupancy) / Euro 157, 50 (Double occupancy)
- ☐ **888 "ARNABOLDI PALACE"** www.arnaboldipalace.com (8 rooms)
(1) Jr. Suite: Euro 225, 75 (Single occupancy) / Euro 262, 50 (Double occupancy)
(4) De Luxe: Euro 194, 25 (Single occupancy) / Euro 231, 00 (Double occupancy)
(2) Superior: Euro 168, 00 (Single occupancy) / Euro 204, 75 (Double occupancy)
(1) Studio: Euro 147, 00 (Single occupancy) / Euro 183, 75 (Double occupancy)
- ☐ **COLLEGIO GHISLIERI** <http://www.ghislieri.it/> (3 rooms)
Euro 65,00 (Single Room)
- ☐ **COLLEGIO FRACCARO** <http://www.edisu.pv.it/index.php?page=collegio-fraccaro> (3 rooms)
Euro 72, 00 (1) Double Room (plus 10% VAT)
Euro 45, 00 (2) Single Room (plus 10% VAT)
- ☐ **COLLEGIO CAIROLI** <https://www.collegiocairolit.it/en/> (3 rooms)
Euro 72, 00 (2) Double Room (plus 10% VAT)
Euro 45, 00 (1) Single Room (plus 10% VAT)
- ☐ **COLLEGIO CASTIGLIONI** <http://www.collegiocastiglioniibrugnatelli.it/> (5 rooms)
Euro 36, 00 (2) Double Room with shared facilities (plus 10% VAT)
Euro 45, 00 (2) Single Room with shared facilities (plus 10% VAT)
Euro 36, 00 (1) Double Room (plus 10% VAT)
- ☐ **COLLEGIO MAINO** <http://www.collegiodelmaino.it/> (5 rooms)
Euro 45, 00 (5) Single Room (plus 10% VAT)