2nd INTERNATIONAL CONFERENCE ON MEMBRANOUS NEPHROPATHY

May 6th – 7th 2011

Mario Negri Institute for Pharmacological Research
Clinical Research Centre for Rare Diseases
Aldo e Cele Daccò

The conference was made possible thanks to the generous contributions of the Halpin Foundation, Inc., Amgen France S.A.S, Genentech, Inc., Genzyme and Questcor Pharmaceuticals, Inc.

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http://villacamozzi.marionegri.it
Membranous nephropathy is the most common cause of idiopathic nephrotic syndrome in adults, accounting for about 20% of cases. The disease is characterized by an accumulation of immune deposits on the outer aspect of the glomerular basement membrane. The immune deposits consist of immunoglobulin, unidentified antigens, and the membrane attack complex of complement C5b-9.

Although spontaneous remission of nephrotic syndrome occurs in about a third of patients, membranous nephropathy ends for about 40% of patients in end-stage renal failure after 10 yr. Treatment of membranous nephropathy is often disappointing. This is due in part to heterogeneity of the disease and lack of reliable biomarkers because of ignorance of the target antigen(s) and nephritogenic antibodies. Strategies to target B-lymphocytes with anti-CD20 antibody and to inhibit complement are steps in the right direction, but more specific, driven-concept therapies are urgently needed. Recent identification of M-type phospholipase A2 receptor and other podocyte antigens and characterization of their epitopes should make it possible to design more effective and better tolerated therapies.

The Mario Negri Institute for Pharmacological Research organizes a reprise of the highly successful International Conference of Membranous Nephropathy held in Bergamo, Italy in 2007 with the aim to bring together world leading scientists and clinicians in the field of Membranous Nephropathy and closely related disciplines in a format that encourages interactive discussion of latest research on fundamental mechanisms of disease and their clinical relevance. A session of the conference will be open to the public, in particular to patients suffering from this disease. Further information are reported in the dedicated web site http://clinicalweb.marionegri.it/membranous/

The Mario Negri Institute for Pharmacological Research is a not-for-profit biomedical research organization. It was established in 1961 and started work in Milan on February 1st, 1963. There are now research units in Bergamo, at Ranica – near Bergamo – and at Santa Maria Imbaro, near Chieti. The Institute’s main goal is contribute to the defence of human health and life. To achieve this goal we need a deeper understanding of the innermost workings of living organisms; we need to understand why diseases occur, and to know what happens inside an organism when foreign substances are introduced to it. The Institute’s research programs therefore span from the molecular level to the whole human being. These findings help build up the basis for developing new drugs, and making existing ones more effective. The Institute’s research is mainly concentrated in the fight against cancer, nervous system and mental illnesses, cardiovascular and kidney diseases, rare diseases, and the toxic effects of environmental contaminants. The Institute is also involved in research on pain relief and drug addiction. Along with its’ research activities, the Institute also provides professional training to graduate researchers, physicians and nurses. It is also active in a range of initiatives to communicate biomedical information both on a general level, and more specifically, with the aim of improving health care and encouraging a more rational use of drugs.

Since 1983 Mario Negri Institute has developed a specific interest in the field of kidney diseases, with both laboratory and clinical research, and is now internationally recognized as a leading group in nephrology.
## FRIDAY MAY 6, 2011

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<td>IgG4 autoantibodies: protective or pathogenic?</td>
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<td>Molecular mimicry-fundamental principles and experimental approaches</td>
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<td>Epitope spreading and neo-epitopes</td>
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<td>Epitope conformation in autoimmune disease</td>
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<td>Role of auto-immunity to PLA2R</td>
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<td>The biology of PLA2R</td>
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<td>Other antigens, secondary and alloimmune</td>
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<td>14.00</td>
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<td>Lunch Break</td>
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**Mini Lecture 1:**
Rheumatoid Arthritis: a model of complex autoimmune condition
Karin Lundberg, Sweden

**Roundtable 1:**
Autoimmunity: Triggers
Moderator: Dotscho Kerjaschki, Austria
Molecular mimicry-fundamental principles and experimental approaches
Robert Fujinami, USA
Epitope spreading and neo-epitopes
Sudesh Makker, USA
Epitope conformation in autoimmune disease
Billy Hudson, USA

**Roundtable 2:**
Autoimmunity: Antigenic Targets
Moderator: Paul Brenchley, UK
Role of auto-immunity to PLA2R
Larry Beck, USA
The biology of PLA2R
Gerard Lambeau, France
Other antigens, secondary and alloimmune
Hanna Debiec, France

**Roundtable 3:**
Pathology and Mediators of Injury
Moderator: David Salant, USA
IgG4 autoantibodies: protective or pathogenic?
Rob C. Aalberse, The Netherlands
A “new look” at the pathology
Jan Weening, The Netherlands
Complement and complement receptors
Richard Quigg, USA
Cellular mechanisms of injury and immune tolerance in Heymann nephritis
Bruce Hall, Australia

**Roundtable 4:**
The Role of Podocytes
Moderator: Peter Mathieson, UK
The podocyte response and mechanisms of proteinuria
Jochen Reiser, USA
The role of c-mip in induction of proteinuria
Dil Sahali, France
Podocyte response to complement-mediated Injury
Andrey V. Cybulsky, Canada

Discussion

Coffee/Tea Break

Dinner
### SATURDAY MAY 7, 2011

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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| 08.30 – 09.45 | **Roundtable 5:**  
Is there a place for Genetic Studies?  
**Moderator:** Pierre Ronco, France | John Sedor, USA                                      | Paolo Cravedi, Italy  
Shoichi Maruyama, Japan  
Jan Weening, The Netherlands  
Peter Mathieson, UK |
| 08.30 – 08.45 | **Genome Wide Association Studies - process, interpretation, pitfalls** | John Sedor, USA                                      |                                                  |
| 08.45 – 09.00 | **HLA and PLA2R Alleles in IMN**                                         | Robert Kleta, UK                                     |                                                  |
| 09.00 – 09.45 | **Discussion**                                                           |                                                     |                                                  |
| 09.45 – 11.00 | **Roundtable 6:**  
Focused Discussion on NEPTUNE and Biomarkers  
**Moderator:** Peter Mathieson, UK | Matthias Kretzler, USA  
Jack Wetzels, Netherlands  
Fernando Fervenza, USA | Daniel Cattran, Canada  
Richard Glassock, USA  
Piero Ronco, France  
Piero Ruggenenti, Italy |
| 10.00 – 10.30 | **NEPTUNE – Goals and objectives in MN**                                 |                                                     |                                                  |
| 10.30 – 11.00 | **Discussion**                                                           |                                                     |                                                  |
| 11.00 – 11.15 | Coffee/Tea Break                                                        |                                                     |                                                  |
| 11.15 – 11.35 | **Mini-lecture 2:**  
Site-Directed Complement Inhibitors  
**Michael Holers, USA** |                                                     |                                                  |
| 11.35 – 13.20 | **Roundtable 7:**  
Therapies  
**Moderator:** Daniel Cattran, Canada | Jenny Nistrom, Sweden  
Sudhir V. Shah, USA  
Piero Ruggenenti, Italy | Richard Glassock, USA  
Pierre Ronco, France  
Piero Ruggenenti, Italy |
| 11.35 – 11.55 | **Melanocortin receptors in the kidney**                                 |                                                     |                                                  |
| 11.55 – 12.15 | **Anti-oxidants**                                                        |                                                     |                                                  |
| 12.15 – 12.35 | **Anti-CD 20**                                                           |                                                     |                                                  |
| 12.35 – 13.20 | **Discussion**                                                           |                                                     |                                                  |
| 13.20 – 14.20 | Lunch Break                                                             |                                                     |                                                  |
| 14.20 – 15.10 | **Late-Breaking Findings**                                              | Richard Glassock, USA  
Pierre Ronco, France  
Piero Ruggenenti, Italy |                                                    |
| 15.10 – 17.45 | **Patients meet the Doctors**                                            |                                                     |                                                   |
| 17.45 – 18.00 | **SUMMING UP**                                                           | Richard Glassock, USA  
Piero Ruggenenti, Italy |                                                    |
| 18.15 – 19.00 | **Interlude**                                                            |                                                     |                                                  |
| 19.00 – 21.00 | Dinner                                                                  |                                                     |                                                  |
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LOCATION

The Clinical Research Centre for Rare Diseases "Aldo e Cele Daccò" is located in Ranica, near Bergamo. It was established in 1992, when the Mario Negri Institute for Pharmacological Research decided to expand its activities to include clinical research within its own facilities. The Centre was born to promote the independent clinical research and to develop plans for patients with rare and orphaned diseases. It is located in Villa Camozzi, a beautiful, old neoclassic construction restored by architect Simone Elia. The indoor area contains 9,500 sq.m., and the house is surrounded by a 60,000 sq.m. secular park. It is dedicated to Aldo e Cele Daccò, because the Institute is grateful to all private donors, to banking institutes and especially to the Daccò family for their generous contributions that allowed the complete restoration of Villa Camozzi.

ADDRESS

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HOW TO REACH THE CLINICAL RESEARCH CENTER FOR RARE DISEASES ALDO E CELE DACCÒ

by car:
Leave the A4 Milano-Venezia at Bergamo exit. Follow the signs for "Valle Seriana" until you reach the turn off for Ranica. When you reach the center of Ranica, you will see the signs for Villa Camozzi.

by train/bus:
If you arrive in Bergamo by train, take the bus n. 1 directly outside the station, and get off at the second stop. Cross Viale Papa Giovanni XXIII and take bus n. 11/A in Via Tiraboschi. Get off at the terminus in Ranica, walk back the way you came about 50 metres and turn right. Walk about 200 metres and you will see the drive that leads to Villa Camozzi on your left.
by flight:

There are three airports in the area of Milan-Bergamo (north Italy):

- Orio al Serio (Bergamo) it is about 10 km far form our Centre in Ranica
- Milan Linate (Milan) at about 50 km far from Ranica
- Milan Malpensa (Milan) at about 70 km far from Ranica, is the main airport of north Italy

We strongly suggest to find a flight that arrives at the Bergamo airport (first option). The Milano/Orio al Serio is the local Bergamo airport. There are numerous flights arriving there from all over Europe and it is really close to the congress venue in Ranica.

Airport web addresses:  

As for transfer from the airport to the congress venue taxi and buses services are available. Please visit these web sites for detailed information:
http://www.trenitalia.com  
http://www.apt.bergamo.it  
http://www.sea-aeroportimilano.it/Malpensa/collegamenti/collegamenti.htm

Please note that the highway from/to Linate and Malpensa airports is often busy with frequently traffic jam. In order to reach the airport in time for return flight it is better to leave the hotel in Bergamo 2 hours before.

BERGAMO INFORMATION

Bergamo was founded on a hill by a first very old settlement in the protohistoric age, age which gave it the configuration that still characterizes it: the oldest part of the town, enclosed within walls, lays up on the hill while the modern centre has developed on the plain.

Celts, Goths, Romans, Lombards succeeded on the hill, but little can now be seen of them: some of the most important monuments date back to the Middle Ages. The four centuries under the Venetian domination are the most significant period, when Venice and Bergamo were very close, both from an historical and a cultural point of view.

Information about the city of Bergamo, restaurants, hotels and accommodations, itineraries are available at this web site:
http://www.apt.bergamo.it

At this web site you can find maps: http://www.mappy.it

GENERAL INFORMATION

Language
The official language of the Conference is English.

Badges
A badge with delegate's name will be provided at the registration desk. All delegates are kindly requested to wear the badge throughout the Conference. Only badge holders will be admitted to the Conference, coffee/tea breaks, and lunches.

Currency
All prices quoted are in EURO.

Meals
Coffee/tea breaks and lunches are included in the Conference fee.

Weather
Average temperature in Bergamo during May is around +11°C to 21°C. At this web site you can find up-dated weather conditions: http://www.eurometeo.com/italian/forecast/city_LIME