



ACCADEMIA NAZIONALE VIRGILIANA
DI SCIENZE LETTERE E ARTI



ENDOCRINOLOGIA,
DIABETOLOGIA E METABOLISMO
UNIVERSITÀ DI VERONA

SCIENTIFIC
PROGRAMME
&
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7th Mantua

WORKSHOP on
DIABETES MELLITUS
and Related Disorders

FROM RESEARCH FINDINGS TO CLINICAL IMPLEMENTATIONS

Mantova (Italy)

October 16-19, 2019



Chair

Enzo Bonora (Italy)

Honorary Chair

Michele Muggeo (Italy)

Scientific Committee

Riccardo C. Bonadonna (Italy)

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Stefano Del Prato (Italy)

Simona Frontoni (Italy)

Andrea Giaccari (Italy)

James B. Meigs (USA)

Anna Solini (Italy)

Scientific Secretariat

Endocrinology, Diabetes and Metabolism

University and Hospital Trust of Verona

Piazzale Stefani, 1 - 37126 Verona, Italy

Tel +39 045 8123110 / Fax +39 045 8027314

E-mail: enzo.bonora@univr.it

Organizing Secretariat & CME Provider



COGEST M. & C.

Vicolo San Silvestro, 6 - 37122 Verona, Italy

Tel +39 045 597940 / Fax +39 045 597265

E-mail: cogest@cogest.info - www.cogest.info

COGEST M. & C. is responsible for the organization and for the scientific contents of the event and declares that education is scientifically updated, well-balanced, evidence-based and coherent with the health care professions it is addressed to.

Meeting Venue

Teatro Scientifico Accademico del Bibiena

Via dell'Accademia, 47 - Mantova, Italy



Dear Colleagues and Friends,

I am delighted to welcome you to Mantua and to the Seventh Edition of this Workshop on Diabetes Mellitus and Related Disorders.

This time the focus of the Workshop is on the translation of research findings to clinical implementation. The achievements of genetic studies and molecular medicine as well as the findings from epidemiology, clinical physiology and pathophysiology are mostly useful when they are instrumental in identifying new approaches in diagnosing, monitoring and treating patients with the disease. Understanding causes and mechanisms is crucial but translating the acquired knowledge into the clinical ground is the ultimate goal of biomedical research.

The program is based upon 27 talks grouped in 12 sessions. Plenty of time will be allowed after each presentation to promote an intense and fruitful discussion.

Please do not hesitate to participate into the discussion! Diabetes epidemic is growing restlessly worldwide with an increased burden for nations and individuals. A dissemination of most advanced knowledge and a peer-to-peer discussion on the crucial aspects of diabetes care are certainly necessary to empower physicians who struggle against the disease.

As usual, the Faculty of this Workshop includes top scientists, outstanding investigators and key opinion leaders in their fields, coming from Europe and North America.

During the four days of the Workshop these colleagues, who enthusiastically accepted my invitation motivated exclusively by the commitment to serve the scientific community, will share with the audience their knowledge, experience and opinions.

The audience includes a large group of young Italian researchers in the area of diabetes who are looking forward to participate actively into the discussion, providing their enthusiasm, motivation and new ideas. They will be the stars of Italian research in the field of diabetes.

Welcome again and enjoy the Workshop and your stay in Mantua.

Enzo Bonora



FACULTY

Angelo Avogaro	Professor of Endocrinology, University of Padova, Italy
Geert Jan Biessels	Professor of Neurology, Brain Center Rudolf Magnus, University Medical Center Utrecht, The Netherlands
Geremia B. Bolli	Professor of Endocrinology, University of Perugia, Italy
Riccardo C. Bonadonna	Professor of Endocrinology and Metabolism, University of Parma, Italy
Ezio Bonifacio	Professor, CRTD - Center for Regenerative Therapies Dresden, Faculty of Medicine, Technische Universitaet Dresden, Germany
Enzo Bonora	Professor of Endocrinology, University of Verona, Italy
Emanuele Bosi	Professor of Internal Medicine, University Vita-Salute San Raffaele, Milan, Italy
Daniela Bruttomesso	Medical Doctor, PhD, Division of Metabolic Disorders, University of Padua, Italy
Raffaella Buzzetti	Professor of Endocrinology, University of Rome-Sapienza, Rome, Italy
Agostino Consoli	Professor of Endocrinology, University G. D'Annunzio, Chieti-Pescara, Italy
Renzo Cordera	Professor of Endocrinology, University of Genova, Italy
Stefano Del Prato	Professor of Endocrinology, University of Pisa, Italy
Paolo Di Bartolo	Director, Diabetes Clinic Ravenna, Romagna Local Health Authority, Ravenna, Italy
Francesco Dotta	Professor of Endocrinology, University of Siena, Italy
Gian Paolo Fadini	Associate Professor of Endocrinology, University of Padova, Italy
Massimo Federici	Professor of Internal Medicine, University Tor Vergata, Rome, Italy
Eleuterio Ferrannini	Professor of Internal Medicine, University of Pisa School of Medicine; Associate, CNR - National Research Council - Institute of Clinical Physiology, Pisa, Italy
Jose C. Florez	Professor, Harvard Medical School; Chief, Endocrine Division and Diabetes Unit, Massachusetts General Hospital; Institute Member, Broad Institute; Boston, MA, USA
Simona Frontoni	Associate Professor of Endocrinology, University Tor Vergata, Rome, Italy
Andrea Giaccari	Associate Professor of Endocrinology, Catholic University of Sacro Cuore, Rome, Italy
Carla Giordano	Professor of Endocrinology, University of Palermo, Italy
Francesco Giorgino	Professor of Endocrinology, University of Bari Aldo Moro, Bari, Italy
Leif Groop	Senior Professor, Lund University, Sweden; Finnish Academy Distinguished Professor (FiDiPro), Institute for Molecular Medicine Finland FIMM, University of Helsinki, Finland



FACULTY

Per-Henrik Groop	Professor (Chair) of Internal Medicine, Chief Physician, Abdominal Centre Nephrology; University of Helsinki and Helsinki University Hospital, Finland
Gabriella Gruden	Associate Professor, University of Torino, Italy
Filip K. Knop	Professor and Consultant Endocrinologist, Director of Center for Clinical Metabolic Research, Gentofte Hospital, University of Copenhagen, Denmark
Davide Lauro	Professor of Endocrinology, University Tor Vergata, Rome, Italy
Livio Luzi	Professor of Endocrinology, University of Milan, Italy
Edoardo Mannucci	Associate Professor of Endocrinology, University of Florence, Italy
Giulio Marchesini Reggiani	Professor of Clinical Dietetics, University of Bologna, Italy
Piero Marchetti	Professor of Endocrinology, University of Pisa, Italy
Nikolaus Marx	Professor of Medicine, University Hospital Aachen, Germany
Paolo Moghetti	Associate Professor of Endocrinology, University of Verona, Italy
Gianluca Perseghin	Professor of Endocrinology, Università degli Studi di Milano Bicocca e Department of Medicine and Rehabilitation, Policlinico di Monza, Monza, Italy
Lorenzo Piemonti	Professor of Endocrinology, University Vita-Salute San Raffaele, Milan, Italy
Paolo Pozzilli	Professor of Endocrinology, Campus Bio-Medico University, Rome, Italy
Alberto Pugliese	Professor of Medicine, Microbiology and Immunology, University of Miami, FL, USA
Giuseppe Pugliese	Professor of Endocrinology, University of Rome-Sapienza, Rome, Italy
Francesco Purrello	Professor of Internal Medicine, University of Catania, Italy
Gabriele Riccardi	Professor of Endocrinology, University of Naples Federico II, Italy
Giorgio Sesti	Professor of Internal Medicine, Department of Clinical and Molecular Medicine, University of Rome-Sapienza, Rome, Italy
Anna Solini	Associate Professor of Internal Medicine, University of Pisa, Italy
Roy Taylor	Professor of Medicine and Metabolism, Newcastle University, Newcastle upon Tyne (UK)
Vincenzo Trischitta	Professor of Endocrinology, University of Rome-Sapienza, Rome, Italy; Senior Scientist at Scientific Institute Casa Sollievo della Sofferenza, San Giovanni Rotondo and Rome, Italy
Luc Van Gaal	Professor of Endocrinology, Antwerp University Hospital, Belgium
Roberto Vettor	Professor of Internal Medicine, University of Padova, Italy
Peter Willeit	Associate Professor of Clinical Epidemiology, Department of Neurology, Medical University of Innsbruck, Austria
Alberto Zambon	Associate Professor of Medicine, University of Padova, Italy



With the participation of “Rising Stars” of the Italian diabetes research:

Alessandra Antonucci	University of Rome-Sapienza, Rome, Italy
Alfonso Bellia	University Tor Vergata, Rome, Italy
Benedetta Maria Bonora	University of Padua, Italy
Federico Boscari	University of Padua, Italy
Marina Cardellini	University Tor Vergata, Rome, Italy
Amelia Caretto	University Vita-Salute San Raffaele, Milan, Italy
Francesca Cinti	Catholic University of Sacro Cuore, Rome, Italy
Marco Dauriz	University of Verona, Italy
Giuseppe Della Pepa	University of Naples Federico II, Italy
Teresa Vanessa Fiorentino	University Magna Graecia of Catanzaro, Italy
Gloria Formoso	University G. D’Annunzio, Chieti-Pescara, Italy
Jonida Haxhi	University of Rome-Sapienza, Rome, Italy
Ernesto Maddaloni	University of Rome-Sapienza, Rome, Italy
Alessandro Mantovani	University of Verona, Italy
Nicola Marrano	University of Bari Aldo Moro, Bari, Italy
Teresa Mezza	Catholic University of Sacro Cuore, Rome, Italy
Mario Luca Morieri	University of Padua, Italy
Laura Nigi	University of Siena, Italy
Serena Pezzilli	Fondazione IRCCS Casa Sollievo della Sofferenza, San Giovanni Rotondo, Italy
Fabiana Picconi	University Tor Vergata, Rome, Italy
Maria Giovanna Scarale	Fondazione IRCCS Casa Sollievo della Sofferenza, San Giovanni Rotondo, Italy
Roberto Scicali	University of Catania, Italy
Valeria Sordi	University Vita-Salute San Raffaele, Milan, Italy
Rocky Strollo	Campus Bio-Medico University, Rome, Italy
Mara Suleiman	University of Pisa, Italy



SCIENTIFIC PROGRAMME

Wednesday, October 16

14.00 Registration

15.00 Opening Remarks

Enzo Bonora (Italy)

Chair of the Workshop

Livio Volpi Ghirardini (Italy)

Vice President of the National Virgilian Academy



SESSION I

Chairs: **E. Bonora (Italy) · G. Sesti (Italy)**

15.30 Metabolomic as a tool in the prediction of T2DM
V. Trischitta (Italy)



16.15 Circulating microRNAs and diabetes risk:
evidence from epidemiological studies
P. Willeit (Austria & UK)



17.00 *Coffee break*

SESSION II

Chairs: **E. Bosi (Italy) · C. Giordano (Italy)**

17.30 New insights into etiology and pathogenesis of T1DM*
A. Pugliese (USA)

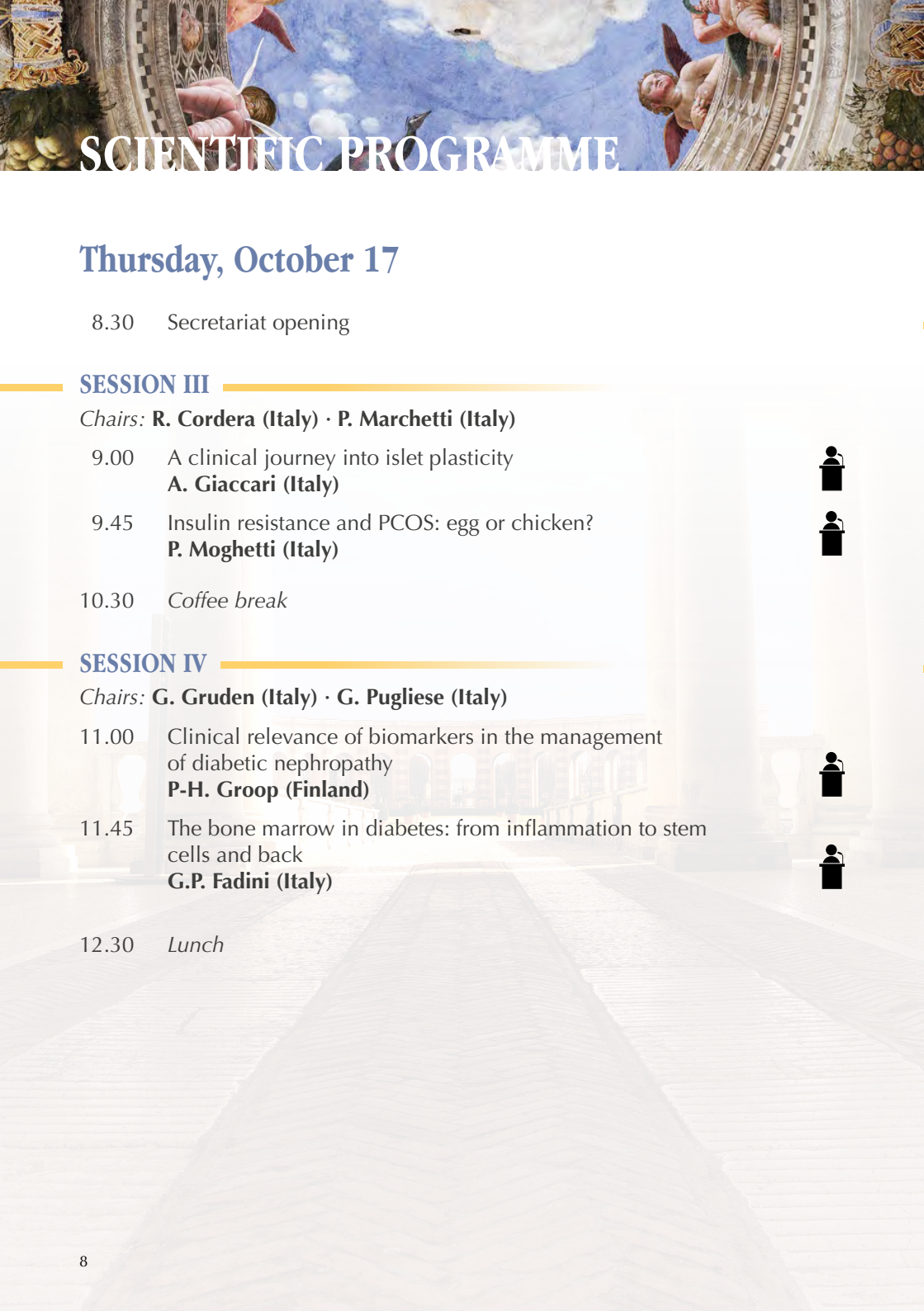


18.15 Immunotherapy in T1DM
E. Bonifacio (Germany)



19.00 End of October 16 sessions

*The lecture presented at the Workshop contains data not published yet so videorecording has been replaced with adjourned slides



SCIENTIFIC PROGRAMME

Thursday, October 17

8.30 Secretariat opening

SESSION III

Chairs: **R. Cordera (Italy) · P. Marchetti (Italy)**

9.00 A clinical journey into islet plasticity
A. Giaccari (Italy)



9.45 Insulin resistance and PCOS: egg or chicken?
P. Moghetti (Italy)



10.30 *Coffee break*

SESSION IV

Chairs: **G. Gruden (Italy) · G. Pugliese (Italy)**

11.00 Clinical relevance of biomarkers in the management
of diabetic nephropathy
P-H. Groop (Finland)



11.45 The bone marrow in diabetes: from inflammation to stem
cells and back
G.P. Fadini (Italy)



12.30 *Lunch*



SCIENTIFIC PROGRAMME

Thursday, October 17

SESSION V

Chairs: **F. Dotta (Italy) · R. Vettor (Italy)**

- 14.00 Lipotoxicity as a link between obesity and T2DM
F. Giorgino (Italy) 
- 14.45 How microbial metabolites affect metabolic homeostasis
M. Federici (Italy) 
- 15.30 Achieving weight loss: molecular targets and therapeutical tools
L. Van Gaal (Belgium) 
- 16.15 *Coffee break*

SESSION VI

Chairs: **D. Lauro (Italy) · L. Luzi (Italy)**

- 16.45 Gut feeling about the brain
S. Del Prato (Italy)
- 17.30 Role of glucagon in T2DM
F.K. Knop (Denmark) 
- 18.15 End of October 17 sessions



SCIENTIFIC PROGRAMME

Friday, October 18

8.30 Secretariat opening

SESSION VII

Chairs: **E. Mannucci (Italy) · V. Trischitta (Italy)**

9.00 Heterogeneity of diabetes*

L. Groop (Sweden)



9.45 Pharmacogenetics for precision medicine

J.C. Florez (USA)



10.30 *Coffee break*

SESSION VIII

Chairs: **G.B. Bolli (Italy) · G. Riccardi (Italy)**

11.00 A look at nerves in diabetes

S. Frontoni (Italy)



11.45 Cognitive dysfunction in diabetes

G.J. Biessels (The Netherlands)



12.30 *Lunch*

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SCIENTIFIC PROGRAMME

Friday, October 18

SESSION IX

Chairs: **P. Di Bartolo (Italy) · G. Perseghin (Italy)**

- 14.00 The failing heart in diabetes
N. Marx (Germany)
- 14.45 CVOT in type 2 diabetes: bouncing between efficacy and effectiveness
R.C. Bonadonna (Italy)
- 15.30 Superb control of lipid profile in diabetes: does it convey a true benefit?
A. Zambon (Italy)
- 16.15 *Coffee break*



SESSION X

Chairs: **R. Buzzetti (Italy) · P. Pozzilli (Italy)**

- 16.45 Replacement or regeneration of beta-cell?
L. Piemonti (Italy)
- 17.30 High technology for monitoring and treating
D. Bruttomesso (Italy)
- 18.15 End of October 18 sessions





SCIENTIFIC PROGRAMME

Saturday, October 19

8.30 Secretariat opening

SESSION XI

Chairs: **A. Consoli (Italy)** · **G. Marchesini Reggiani (Italy)**

9.00 How to protect the kidney in diabetes
A. Solini (Italy)



9.45 Coronary artery protection with anti-hyperglycemic drugs
A. Avogaro (Italy)



10.30 *Coffee break*

SESSION XII

Chairs: **E. Bonora (Italy)** · **F. Purrello (Italy)**

11.00 Remission of T2DM: is it real and feasible?
R. Taylor (UK)



11.45 Durability in glucose control in T2DM: from science
to clinical practice
A. Consoli (Italy)



12.30 Out-of-the box reflections on diabetes
E. Ferrannini (Italy)



13.15 Closing remarks
E. Bonora (Italy)



13.30 *Farewell Lunch*

ENDORSEMENTS



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