

PROMOTED BY



FONDAZIONE
INTERNAZIONALE
MENARINI



3RD INTERNATIONAL SYMPOSIUM ON:
**THE CALCIUM
SENSING
RECEPTOR
(CASR)**

Palazzo Ximènes
Panciatichi
Florence (Italy)

May 11th -13th
2017



FINAL PROGRAM

ORGANIZED BY:

UNIVERSITY
OF FLORENCE
Florence, Italy

MEDICAL
UNIVERSITY
OF VIENNA
Vienna, Austria

UNIVERSITY
OF OXFORD
Oxford, UK

UNIVERSITY
OF CALIFORNIA
San Francisco, USA

The symposium will bring together basic, translational and clinical scientists from different disciplines who study the molecular biology, physiology, and pathophysiology of the CaSR and clinical disorders of CaSR function.

The program will feature recent research on the role of the CaSR in e.g. skeletal physiology, vascular calcification, pulmonary function, neuronal injury, parathyroid physiology, mineral metabolism, exocrine and transport functions in the gut and kidney, skin biology and cancer cell signalling. Clinical uses of CaSR modulators to treat human disorders, structural and signaling aspects of the CaSR and interactions between the CaSR and other GPCRs will be highlights.

The program will include lectures from keynote speakers, oral presentations, poster discussion sessions and forums for young investigators to meet senior experts.

**Maria Luisa Brandi, Enikő Kállay,
Rajesh V. Thakker and Wenhan Chang**
Co-Presidents of the Symposium

Presidenza del Consiglio
dei Ministri

Ministero della Salute



UNIVERSITÀ
DEGLI STUDI
FIRENZE



Azienda
Ospedaliera
Universitaria
Careggi

PRESIDENTS OF THE MEETING

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Enikő KÁLLAY

Medical University of Vienna

Department of Pathophysiology and Allergy Research
Vienna (Austria)

Wenhan CHANG

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UCSF Endocrinology & Metabolism
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San Francisco CA (USA)

Rajesh V. THAKKER

University of Oxford

Nuffield Department of Medicine
Oxford Centre for Diabetes, Endocrinology and Metabolism (OCDEM)
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Headington Oxford (UK)

INTERNATIONAL SCIENTIFIC COMMITTEE

- Hans Bräuner-Osborne
- Michael T. Collins
- Arthur Conigrave
- Rachel I. Gafni
- Edward F. Nemeth
- Dolores Shoback
- John J. Wysolmerski

PROMOTED BY

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PROGRAMME

THURSDAY, MAY 11TH - AFTERNOON

OPENING CEREMONY

01.30 p.m.	Welcome addresses Maria Luisa Brandi (<i>Florence, I</i>) Wenhan Chang (<i>San Francisco CA, USA</i>) Enikő Kállay (<i>Vienna, A</i>) Rajesh V. Thakker (<i>Oxford, UK</i>)
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SESSION I – CALCIUM CASR SIGNALLING

Chairpersons:	Frank Bruggeman (<i>Amsterdam, NL</i>) Ernesto Carafoli (<i>Padua, I</i>)
02.00 p.m.	Dolores Shoback (<i>San Francisco CA, USA</i>) <i>The CaSR discovery opens way to the future</i>
02.30 p.m.	Arthur Conigrave (<i>Sydney, AUS</i>) <i>Biased signalling from CaSR</i>
03.00 p.m.	Hans Bräuner-Osborne (<i>Copenhagen, DK</i>) <i>Trans-activation and allosteric modulation of internalization of the calcium-sensing receptor</i>
03.30 p.m.	Donald Ward (<i>Manchester, UK</i>) <i>Cell-specific CaSR signalling: effector feedback modulation of receptor responsiveness</i>
04.00 p.m.	Leonidas Tsiokas (<i>Edmond OK, USA</i>) <i>Regulation of CaSR by TRPC1 channels</i>
04.30 p.m.	Coffee Break

SESSION II – PHARMACOLOGY OF THE CASR

Chairpersons:	Maria Luisa Brandi (<i>Florence, I</i>) Sandra Petraglia (<i>Roma, I</i>)
05.00 p.m.	Gerda E. Breitwieser (<i>Danville PA, USA</i>) <i>Pharmacoferones</i>
05.30 p.m.	Edward F. Nemeth (<i>Toronto, CDN</i>) <i>Calcimimetic and Calcilytic Drugs</i>
06.00 p.m.	Letizia Vannucci (<i>Florence, I</i>) <i>Parathyroid cell lines: a model for in vitro drug testing</i>
06.30 p.m.	PLENARY LECTURE Rajesh V. Thakker (<i>Oxford, UK</i>) Allen M. Spiegel (<i>New York NY, USA</i>) <i>Calcium actions and its regulators: from basic research to clinical applications</i>
07.15 p.m.	Welcome cocktail

FRIDAY, MAY 12TH – MORNING

SESSION III – THE ROLE OF CASR IN THE PATHOGENESIS OF CALCITROPIC DISORDERS

Chairpersons:	Laura Masi (<i>Florence, I</i>) Dolores Shoback (<i>San Francisco CA, USA</i>)
08.30 a.m.	Rajesh V. Thakker (<i>Oxford, UK</i>) <i>CaSR signalling pathways and hypercalcemia in humans</i>
09.00 a.m.	Michael Mannstadt (<i>Boston MA, USA</i>) <i>CaSR and Ga11 in hypoparathyroidism in humans</i>
09.30 a.m.	Giuseppe Vezzoli (<i>Milan, I</i>) <i>Kidney disorders</i>
10.00 a.m.	David Goltzman (<i>Montreal, CDN</i>) <i>Bone diseases</i>
10.30 a.m.	Coffee break

SESSION IV - YOUNG INVESTIGATORS AND HOT TOPICS

Chairpersons:	Luisella Cianferotti (<i>Florence, I</i>) Geoffrey N. Hendy (<i>Montreal, CDN</i>)
11.00 a.m.	TBD
11.15 a.m.	TBD
11.30 a.m.	TBD
11.45 a.m.	TBD
12.00 p.m.	TBD
12.15 p.m.	TBD
12.30 p.m.	Lunch and poster discussion

FRIDAY, MAY 12TH – AFTERNOON

SESSION V - PRECLINICAL MODELS

Chairpersons:	Arthur Conigrave (<i>Sydney, AUS</i>) Donald Ward (<i>Manchester, UK</i>)
02.00 p.m.	Qing R. Fan (<i>New York NY, USA</i>) <i>Crystal structure of CaSR</i>
02.30 p.m.	Wenhan Chang (<i>San Francisco CA, USA</i>) <i>CaSR/GABAbR1 heteromers mediate PTH hypersecretion in hyperparathyroidism</i>
03.00 p.m.	Fadil M. Hannan (<i>Liverpool, UK</i>) <i>Mouse models for ADH1 and ADH2</i>
03.30 p.m.	Caroline Gorvin (<i>Oxford, UK</i>) <i>Stable cell lines expressing adaptor protein 2 mutations to investigate signalling pathways</i>
04.00 p.m.	Coffee break

SESSION VI - CALCITROPIC DISORDERS: NEWS IN MEDICAL TREATMENT

Chairpersons:	Rachel I. Gafni (<i>Bethesda MD, USA</i>) Andrea Lenzi (<i>Rome, I</i>)
04.30 p.m.	John P. Bilezikian (<i>New York NY, USA</i>) <i>Primary hyperparathyroidism</i>
05.00 p.m.	Masafumi Fukagawa (<i>Isehara, J</i>) <i>Secondary hyperparathyroidism</i>
05.30 p.m.	Maria Luisa Brandi (<i>Florence, I</i>) <i>Hypoparathyroidism</i>
06.00 p.m.	Michael T. Collins (<i>Bethesda MD, USA</i>) <i>Treatment for ADH1 in humans</i>

SESSION VII – NON CALCITROPIC DISORDERS: DIGESTIVE AND SKIN FUNCTION

Chairpersons:	Enikő Kállay (<i>Vienna, A</i>) Francesco Tonelli (<i>Florence, I</i>)
06.30 p.m.	Chia-Ling Tu (<i>San Francisco CA, USA</i>) <i>Role of CaSR in skin wound healing</i>
07.00 p.m.	James J. Pestka (<i>East Lansing MI, USA</i>) <i>Control of gastroenteric hormones by CaSR</i>
07.30 p.m.	Sam Cheng (<i>Gainesville FL, USA</i>) <i>The role of the CaSR in gastrointestinal inflammation</i>

SATURDAY MAY 13TH - MORNING

SESSION VIII – NON CALCITROPIC DISORDERS: BLOOD VESSELS AND LUNG

Chairpersons:	Dolores Shoback (<i>San Francisco CA, USA</i>) Elisabetta Cerbai (<i>Florence, I</i>)
08.00 a.m.	Harry Z.E. Greenberg (<i>London, UK</i>) <i>Vasolidation NO/CaSR</i>
08.30 a.m.	Y.S. Prakash (<i>Rochester MN, USA</i>) <i>Calcium sensing receptor in perinatal airway disease</i>

SESSION IX – NON CALCITROPIC DISORDERS: CANCER

Chairpersons:	Wenhan Chang (<i>San Francisco CA, USA</i>) Romuald Mentaverri (<i>Amiens, F</i>)
09.00 a.m.	John J. Wysolmerski (<i>New Haven CT, USA</i>) CaSR actions on PTHrP in breast cancer
09.30 a.m.	Enikő Kállay (<i>Vienna, A</i>) The role of the CaSR in colon cancer
10.00 a.m.	Carmen de Torres (<i>Barcelona, E</i>) The role of the CaSR in neuroblastoma
10.30 a.m.	Coffee break

SESSION X – FUTURE DEVELOPMENTS FOR CASR TARGETED THERAPIES

Chairpersons:	Elisabetta Cerbai (<i>Florence, I</i>) Fadil M. Hannan (<i>Liverpool, UK</i>)
11.00 a.m.	Daniela Riccardi (<i>Cardiff, UK</i>) Asthma
11.30 p.m.	Seiji Fukumoto (<i>Tokushima, J</i>) Glucose metabolism
12.00 p.m.	Katie Leach (<i>Melbourne, AUS</i>) Rational design of CaSR therapeutics for diverse disorders
12.30 p.m.	Lunch and poster discussion
03.00 p.m.	CONCLUDING REMARKS Maria Luisa Brandi (<i>Florence, I</i>) Wenhan Chang (<i>San Francisco CA, USA</i>) Enikő Kállay (<i>Vienna, A</i>) Rajesh V. Thakker (<i>Oxford, UK</i>)

GENERAL INFORMATION

Meeting venue

The venue for the Meeting will be Palazzo Ximènes Panciatichi, Via Borgo Pinti, 68 - 50121 Florence (Italy)

Accommodation

It is possible to book a room at a special rate using the Florence Convention Bureau website (<http://www.florencecongressbooking.com/index/en.shtml>) indicating the code CASR2017.

Secretariat during the Meeting

The Secretariat will be open at the following times:
Thursday, May 11TH, from 01.30 p.m. to 07.45 p.m.
Friday, May 12TH, from 08.00 a.m. to 08.00 p.m.
Saturday, May 13TH, from 08.00 a.m. to 01.30 p.m.

Official language

The official language of the Meeting will be English.

Registration

The Meeting is free to attend.
Please confirm the participation to the Organizing Secretariat (Fondazione Internazionale Menarini – Phone: +39 02 55308110 – Fax: +39 02 55305739. E-mail: milan@fondazione-menarini.it)
within April 28, 2017.

Technical facilities speakers

Facilities will be available for computer presentations and overhead projections. A business center with PC (Powerpoint for Windows) will be available for check and preview of presentations. It is essential that speakers take their presentations to the business center at least one hour before the session starts.

The slide center will be open at the following times:

Thursday, May 11TH, from 01.30 p.m. to 07.45 p.m.

Friday, May 12TH, from 08.00 a.m. to 08.00 p.m.

Saturday, May 13TH, from 08.00 a.m. to 01.30 p.m.

Lunches and coffee breaks

Lunches and coffee breaks will be served in the Meeting area.

Abstracts book

Participants will receive the Abstract book at the Meeting.

European CME Credits

EACCME credits have been requested for May 11TH-12TH-13TH for the following disciplines: Internal Medicine, Metabolic and Diabetes Diseases, Rheumatology, Clinical Biochemistry, Endocrinology, Andrology and Reproduction Medicine.

LIST OF CHAIRPERSONS, SPEAKERS, CO-PRESIDENTS OF THE SYMPOSIUM

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Symposia: 333

