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Luigi Vanvitelli

Scuola di Medicina e Chirurgia
*Dipartimento di Medicina
di Precisione*

RRSH

Napoli (IT)

23-25 September **2026**

University of Campania "L. Vanvitelli"
S. Patrizia Auditorium

Host Chair: **Pia Giovannelli (Napoli)**

Co-Chair: **Marzia Di Donato (Napoli)**

14th International Meeting on the **Rapid Responses** to **Steroid Hormones**



Complesso Monumentale di Santa Patrizia



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CONFERENCE ORGANIZATION

Conference Chair

Pia Giovannelli

(University of Campania L. Vanvitelli-Naples, ITALY)

Conference co-chair

Marzia Di Donato

(University of Campania L. Vanvitelli, Naples, ITALY)

Honorary chairs

Martin Wehling

(University of Heidelberg, Heidelberg, GERMANY)

Ferdinando Auricchio

(University of Campania L. Vanvitelli, Naples, ITALY)

LOCAL ORGANIZING COMMITTEE

Chair

Antimo Migliaccio

(University of Campania L. Vanvitelli, Naples, ITALY)

Members

Pia Giovannelli

(University of Campania L. Vanvitelli, Naples, ITALY)

Marzia Di Donato

(University of Campania L. Vanvitelli, Naples, ITALY)

Gabriella Castoria

(University of Campania L. Vanvitelli, Naples, ITALY)

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14th International Meeting on the **Rapid Responses to Steroid Hormones**

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(University of Kuopio, Kuopio, FINLAND and Polish Academy of Science, Olsztyn, POLAND)

The header features a blue banner. On the left, a dark blue chevron points right, containing the text 'RRSH' in large yellow letters, 'Napoli (IT)' in smaller white letters, '23-25 September' in white, and '2026' in yellow. To the right of the chevron is a photograph of a coastal scene at sunset or sunrise, with mountains in the background and boats in the water.

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WELCOME LETTER

Welcome to Naples for the 14th Rapid Response to Steroid Hormones Meeting!

Dear *colleagues*,

It's a genuine pleasure to welcome you to the 14th edition of the Rapid Response to Steroid Hormones meeting, held in this historic and welcoming venue here in Naples. We sincerely hope this gathering provides a wonderful opportunity for all of you to interact, get to know one another, and spark new collaborations.

This meeting is dedicated to celebrating the rapid or “non-genomic” actions of steroid hormones without neglecting their better-known genomic actions. Rapid or non-genomic signaling has emerged as a fundamental component of steroid receptor biology, opening new perspectives on the role of steroid hormones in physiology and disease. Many studies have now taught us that these mechanisms are not mutually exclusive and that, under both physiological and, especially, pathological conditions, each can profoundly influence the activity of the other. Furthermore, an increasing number of non-classical steroid receptors are being identified, with GPER representing the best-known and most extensively studied example, further highlighting the complexity and diversity of steroid hormone signaling. Steroid hormones and their receptors also regulate signaling pathways involved in diseases not traditionally associated with these hormones, underscoring how the proper balance of these mechanisms is essential for maintaining human health.

Our aim is to expand and strengthen this vital research field by meeting, discussing, collaborating, and building a scientific network that inspires, motivates, and fosters the growth of young scientists.

The Conference Chair
Pia Giovannelli

14th International Meeting on the **Rapid Responses to Steroid Hormones**

PRELIMINARY PROGRAM

WEDNESDAY, **23** SEPTEMBER 2026

14:00-14:40 Registration

14:40-15:00 **OPENING CEREMONY**
(by Martin Wehling)

SESSION 1

Memorial Session in Honor of Étienne-Émile Baulieu
Steroid Receptors in Neurobiology, Regeneration and Brain Disorders

15:00-15:15 **Selected oral presentation**
Helene Dubois-Pot-Schneider and Helene Dumond, University of Lorraine, France
Impact of GPER expression on glioblastoma patient survival according to sex and age: mechanisms of action and endogenous control of GPER expression

15:15-15:45 **Invited Speaker**
Yves Jacquot, Professor of Therapeutic Targets and Drug Design, Faculty of Pharmacy, Paris Cité University, Paris, France
From FKBP52 to Alzheimer's disease: About eight years of collaboration with E.E.Baulieu

15:45-16:00 **Selected oral presentation**
Shokouh Arjmand, Aarhus University, Department of Clinical Medicine, Aarhus, Denmark
Antidepressants engage estrogen receptor alpha and its intracellular signaling components

16:00-16:30 **Invited Speaker**
Michael Schumacher, PhD, Senior Director of Research Emeritus French National Institute of Health and Medical Research, France
Cooperation between the androgen receptor and CXCR4 chemokine signaling in myelin regeneration

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- 16:30-16:45 **Selected oral presentation**
Luigi Maione, Paris Saclay University, France
Circulating steroids, precursors and metabolites in patients with combined pituitary deficiency and isolated congenital hypogonadotropic hypogonadism
- 16:45-17:00 **Three flash oral presentations**
- 17:00-18:00 **POSTER SESSION, COFFEE AND NETWORKING**

THURSDAY, 24 SEPTEMBER 2026

SESSION 2

Steroid Receptors in Cancer and Therapy Response

- 09:15-09:30 **Selected oral presentation**
Manon Zielonka, University of Liege, Belgium
Cyclic estrogen exposure: a novel approach to improve endocrine therapy sensitivity in breast cancer
- 09:30-10:00 **Invited Speaker**
Coralie Poulard, PhD, HDR CRCN researcher INSERM, Cancer Research Center of Lyon, France
Glucocorticoid receptors in triple negative breast cancer
- 10:00-10:15 **Selected oral presentation**
Eni Nikoleta Elezaj, University of Padua, Biomedical Sciences, Italy
From Evolutionary Conservation to Function: Characterization of the AR P767 Residue and Its P767A Variant
- 10:15-11:00 **Coffee break***

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- 11:00-11:30 ***Invited Speaker***
***Gilda Cobellis, Professor at Department of Precision Medicine,
University of Campania L. Vanvitelli***
Context-dependent effect of glucocorticoid receptor activity
shapes ovarian cancer cell plasticity and therapy response

SESSION 3

Steroid Hormone receptors from Cellular Signaling to Systemic Regulation

- 11:30-11:45 ***Selected oral presentation***
Nancy Nader, Weill Cornell Medicine, New York
ABHD2 functions as a signaling partner of membrane
progesterone receptors in hepatic metabolic signaling
- 11:45-12:00 ***Selected oral presentation***
Gabriele Farina, University of Rome “Foro Italico”, Italy
Vitamin D from human cell signaling to patients metabolism:
translational insights into rheumatic disease
- 12:00-12:15 ***Selected oral presentation***
Lama Assaf, Hamad Bin Khalifa University, Qatar
Dynamic regulation of ABHD2 during rapid non-genomic
progesterone signaling in *Xenopus* oocytes
- 12:15-12:30 ***Selected oral presentation***
***Polina Lishko, Washington University in St. Louis, School of
Medicine, USA***
Ion Channels in reproduction and vision: structural and
physiological Mechanisms of Kir7.1 activation by steroids
- 12:30-13:45 **Lunch break***



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13:45-14:15

Invited Speaker

Carsten Carlberg, Professor at School of Medicine, Institute of Biomedicine, University of Eastern Finland, Kuopio, Finland and InLife, Institute of Animal Reproduction and Food Research, Polish Academy of Sciences, Olsztyn, Poland

Vitamin D and immune system

14:15-14:30

Selected oral presentation

Christel Pequeux, University of Liege, Belgium

Pulsatile estrogen modulates ERα activity, limiting breast tumor growth while alleviating menopausal symptoms

14:30-15:00

Invited Speaker

Marilena Kampa, Professor of Experimental Endocrinology, School of Medicine, University of Crete, Greece

Oxer1 Receptor: an alternative membrane receptor for androgen actions

15:00-15:45

Coffee break*

SESSION 4

**Genomic and Non-Genomic Steroid Receptor Signaling:
Mechanisms of Steroid Hormone Action in Health and Disease**

15:45-16:15

Invited Speaker

Filippo Acconcia, Associate Professor, Department of Science, University Roma TRE, Rome, Italy

Estrogen receptor alpha mutations causing estrogen insensitivity syndrome uncouple genomic and extranuclear estradiol signaling

16:15-16:45

Invited Speaker

Gian Paolo Dotto, Professor at Harvard Medical School, USA; Director of Laboratory of Skin Aging and Cancer Prevention, Massachusetts General Hospital, USA; President of International Cancer Prevention Institute, Sweden

Androgen receptor in non-prostatic cancer

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- 16:45-17:00 **Selected oral presentation**
Brasilina Caroccia, University of Padova, Italy
Estrogen receptor beta inhibits aldosterone synthase expression through an ER beta-NCOR-DAX-1 repressor complex
- 17:00-18:00 **POSTER SESSION, COFFEE AND NETWORKING**
- 20:00-22.30 **Congress dinner (for participants with reservation)**

FRIDAY, 25 SEPTEMBER 2026

SESSION 5

Memorial Session in Honor of Brian J. Harvey
Steroid receptor signaling in Physiological and Pathological Contexts

- 09:15-09:30 **Selected oral presentation**
Saif Alnasr Mohammed, University of Szeged, Hungary
Non-genomic actions of testosterone metabolites on uterine contractility in rats
- 09:30-10:00 **Invited Speaker**
Harry Harvey, Consultant Medical Oncologist, Cork University Hospital, Cork, Ireland
It's complicated: "Sex, estrogen and the colon: from bench to bedside"
- 10:00-10:15 **Selected oral presentation**
Juan Pablo Huidobro-Toro, Universidad de Santiago, Departamento de Biología, Santiago, Chile
Aldosterone activates GPER-dependent endothelial nitric oxide signaling in rat mesenteric vasculature

The logo for the 23rd Receptor Research Symposium (RRSH) is displayed in a dark blue chevron shape. To the right of the chevron is a landscape photograph of a harbor at sunset, with mountains in the background and boats in the water.

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- 10:15-10:30 ***Selected oral presentation***
Mohammed Abdalla, University of Szeged, Hungary
GPER-mediated relaxant effects of 17 β -estradiol on rat intestinal smooth muscle
- 10:30-11:00 ***Invited Speaker***
Cecilia Williams, Professor at Department of Protein Science, SciLifeLab, KTH Royal Institute of Technology, and Dept. Medicine Huddinge, Karolinska Institutet, Stockholm, Sweden
Role of estrogen receptor beta in modulation of colon tumor immune microenvironment
- 11:00-11:40 **Coffee Break* and Poster session**
- 11:40-11:55 ***Selected oral presentation***
Tanisha Sooben, IGBMC, Integrative Structural Biology department, Illkirch, France
Beyond cross-talk: Molecular mechanisms of AR GR cooperation in prostate homeostasis
- 11:55-12:10 ***Selected oral presentation***
Pranay Dey, Ecole Polytechnique Federale de Lausanne, Switzerland
Toward safer hormonal therapies: anti-androgenic formulations and estetrol limit breast proliferation
- 12:10-12:30 **Round Table: future perspectives in Steroid Hormone Receptor Research (by Martin Wehling)**
- 12:30-13:00 **Awards and closing ceremony (by Pia Giovannelli and Marzia Di Donato)**

** The poster session will remain open during coffee breaks and lunch breaks*

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POSTERS

Poster Board	Family Name	Name	Title
P1	Acramel	Alexandre	The ER α 17p-derived tetrapeptide PLMI acts as a GPER inverse agonist with antiproliferative and antinociceptive effects
P2	Cimmino	Maria	A challenging diagnosis of severe ectopic Cushing's syndrome and successful hypercortisolism control with stepwise osilodrostat up-titrations before surgery
P3	Crescenzo	Erminio Massimo	Modified Release Hydrocortisone, a New Treatment for Congenital Adrenal Hyperplasia Due to 21-Hydroxylase Deficiency: One-Year Outcomes from a "Real-World Evidence" Study
P4	De Girolamo	Micaela	The glucocorticoid receptor as a context-dependent regulator of metabolic reprogramming and fate plasticity in ovarian cancer
P5	Di Paola	Nicola	Psychiatric and neurocognitive impact of Cushing's syndrome in active disease and remission
P6	Donati	Simone	Rapid calcifediol-induced non-genomic effects in mesenchymal and musculoskeletal cell models
P7	Flas	Camille	Exploring the effects of estrogen-based therapies on the ER-negative tumor microenvironment

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P8	Giovannelli	Pia	AR/FLNA and CXCR4 targeting uncovers distinct mechanisms controlling tumor growth and tumor microenvironment remodeling in triple-negative breast cancer
P9	Helguero	Luisa	The RNA-binding protein TDP-43 regulates receptor signalling and endocrine response in ER-positive breast cancer
P10	Ibello	Eduardo	Pharmacological Modulation of Collective Cell Behaviour in PDAC
P11	Kolatorova	Lucie	Neuroandrogens and Neuroestrogens in the diagnosis and Pathophysiology of normal pressure hydrocephalus
P12	Lauretta	Carmine	The Pro-Tumorigenic Role of the Androgen Receptor in Melanoma Progression and Tumor Microenvironment Modulation.
P13	M. Naidu	Chandrakala	Defining Estrogen Receptor β Activity in Breast Cancer through Integrated Protein and Multi-omic Profiling
P14	Mas	Simone	Mechanobiology-Guided drug repurposing identifies Budesonide as an inhibitor of PDAC Aggressiveness
P15	Pinna	Martina	Exploring rapid non-genomic glucocorticoid signaling in hepatic cells using FRET-based biosensors
P16	Simão de Souza	Deborah	Crosstalk between Estrogen Receptors, EGFR, and Filamin A in Castration-Resistant Prostate Cancer Cell Lines and Spheroid

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P17	Skodova	Tereza	Optimization of LC-MS/MS for separation of pregnane and androstane neuroactive steroid isomers
P18	Tutino	Viviana	AR–Filamin a signaling emerges ad a novel driver of colorectal cancer proliferation
P19	Tutino	Viviana	HuR as a Therapeutic Vulnerability in Prostate Cancer
P20	Vitku	Jana	Corticoids and Cytokines in the diagnosis and pathophysiology of normal pressure hydrocephalus



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GENERAL INFORMATION

MEETING VENUE

Santa Patrizia Complex University Luigi Vanvitelli

Address: Via L. Armanni 5 - Napoli

View on the map: <https://maps.app.goo.gl/Nrik7s9zETYSKLN9>

REGISTRATION/ INFORMATION DESK AND MEETING SECRETARIAT

Location: Santa Patrizia Complex, University Luigi Vanvitelli, ground floor

Opening time:

Wednesday, 23 September 2026: from h. 13.00 to 18.00

Thursday, 24 September 2026: from h. 08.30 to 18.00

Friday, 25 September 2026: from h. 08.30 to 13.00

ATTENDANCE CERTIFICATE

The certificate of attendance will be sent by email to all participants at the end of the Conference

SOCIAL PROGRAM

Wednesday, 23 September 2026

h. 17.00 – h. 18.00

NETWORKING COCKTAIL

Venue: Main Cloister Patrizia Complex, University Luigi Vanvitelli

Address: Via L. Armanni 5 - Napoli

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Thursday, 24 September 2026

h. 20.00-23.00

Congress Dinner – *Tickets can be purchased at the price of euros 80,00 via the registration link*

Venue: Palazzo Caracciolo

Address: Via Carbonara, 112 - Napoli

The Dinner will take place in the Cloister of Palazzo Caracciolo, an ancient cloister surrounded by elegant arcades and a charming garden, offering a unique and enchanting atmosphere.

NAME BADGE

For identification purpose and admission to the Conference venue and to social events, badges are expected to be worn at all times during the conference.

INTERNET WIRELESS

Connection is available at the Conference venue and the account for login will be provided at the Conference Secretariat desk.

MEALS

Coffee breaks and lunches will be served according to the program inside the Main Cloister of Santa Patrizia Complex.

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PRESENTERS INSTRUCTIONS

GUIDELINES FOR ORAL PRESENTATION

Speakers are requested to bring along with them the presentation on a USB pen and to upload the presentation in the room at least 30 minutes before the session starts. All screens are in widescreen (16:9) format.

Selected oral Presentations should last no longer than 10 minutes to allow 5 minutes for Q&A and changeover to the next speaker.

AUDIO-VISUAL EQUIPMENT

The Meeting room is equipped with projectors for computer-based presentations. Presentations should be prepared in PowerPoint or PDF.

Presenters will be provided with a remote controller, with integrated laser pointer that can be used to advance slides in PowerPoint. Slides with movies (format .MOV or MP4) must be checked for playback on the laptop.

For Mac users: Power Point slides are normally compatible. If you use “Keynote” please take care that the file is converted in PDF.

The use of one's personal Laptop is strongly discouraged.

GUIDELINES FOR POSTER PRESENTATION

Posters sizes should be A0 format (portrait).

Posters should be printed at the Authors own care and should be brought already printed at the meeting venue. Authors are requested to be present by their poster during the Poster sessions.

Poster boards will be located in the Main Cloister from Wednesday, 23 September, to Friday, 25 September (Posters should be removed by h. 13.00).

Authors whose Poster has been selected for the Speed talk session are required to be present on 23 September from 16.45 pm to 17.00 pm in the Conference Room for their five-minute oral presentation.

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HOW TO REACH THE CONFERENCE VENUE

ALIBUS

To move from Capodichino International Airport to Naples city centre, you can take the private bus named Alibus. You can purchase tickets on board or also online: https://bustickets.distribusion.com/landing?arrival_station_code=ITRRONIP¤cy=EUR&departure_station_code=ITRRONCF&express=true&fare_class=FARE-1&locale=en&marketing_carrier_code=ANMO&pax=1&retailer_partner_number=649309

Ticket “Unico Alibus” allows only one journey on the shuttle Alibus, on the route Naples International Airport / Central Train Station / Port or viceversa.

Tickets cost € 5,00 and leave each 25 minutes starting from 06.00 am to 11.00 pm

To reach the congress venue get off in **Naples Centrale - Piazza Garibaldi**

Walk to Metro L1 “Garibaldi” (Direction: Piscinola) and take the Metro to “Museo/Piazza Cavour”. The congress venue is at about 500 metres walking distance from the Metro stop.

TAXI

Taxi lane is located outside the airport and the main exit of the station. Flat rates are in use for predetermined urban routes (City Center, Molo Beverello - Harbour, Mergellina, Pompei). The fixed fare includes any extra: Night Fare, Baggage, Pets, Surcharge Airport and does not depend on the number of passengers.

Naples motorway toll is not included. Radiotaxi call is not included.

For predetermined fares there is no need to use the taximeter. Please ask the driver to apply for the fixed rate before the ride starts.

For information about the fixed rates please see here:

<https://www.taxinapoli.it/en/tariffs/>



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GETTING AROUND NAPLES

To move around, please see the city map here:

<https://www.google.com/maps/d/u/1/edit?mid=1EsGen02hhD52RXZ3ymbwW-MTpMUD1s0&usp=sharing>

PUBLIC BUSES

Please download the app of the ANM (Neapolitan bus Company).

You can either purchase tickets and check all routes and bus stations.

Google Play: https://play.google.com/store/apps/details?id=it.anm.anm&pcampaignid=web_share

Apple store: <https://apps.apple.com/it/app/anm-go/id6450173718>

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