

Scientific Program

Tuesday, 20. September 2022

Hall d'Honneur, Faculty of Pharmacy of Paris, 4, avenue de l'Observatoire, 75006 Paris

- 16:00 - 18:00 **Registration**
- 18:00 - 20:00 **Welcome Reception**

Wednesday, 21. September 2022

Grand Salon, La Sorbonne, 47, rue des Ecoles, 75005 Paris

Morning Session

- 9:30 - 10:00 **Registration**
- 10:00 - 10:15 **Welcome**
Jean-Louis Beaudeau, Dean of the Faculty of Pharmacy of Paris
Matthias Barton (Zürich, Switzerland)
Patricia de Cremoux (Paris, France)
Yves Jacquot (Paris, France)

Oncology and Cancer Biology (Part I)

Chairs: Patricia de Cremoux (Paris, France) and Yves Jacquot (Paris, France)

This session is sponsored by the French Society of Cancer (Société Française du Cancer)



- 10:15 - 10:40 L-1 **Keynote Lecture: Membrane targeting of ER α : From signaling to medical perspectives**
Maria Marino (Roma, Italy)
- 10:40 - 10:55 O-1 **A promising druggable target in breast cancer (BC) progression: Oxoeicosanoid Receptor 1 (OXER1) and Receptor for Activated C Kinase 1 (RACK1)-associated pathway**
Mirco Masi (Pavia, Italy)
- 10:55 - 11:10 O-2 **Estetrol and breast cancer**
Christel Péqueux (Liège, Belgium)
- 11:10 - 11:30 O-3 **Synthesis of the first peptidic GPER modulator: from pharmacological action to GPER / ER α interaction model**
Alexandre Acramel (Paris, France)

- 11:30 - 11:50 L-2 **Invited Lecture: *Role of androgen receptors in breast cancer***
Marilena Kampa (Heraklion, Greece)
- 11:50 - 14:00 **Lunch break**

Afternoon Session

Oncology and Cancer Biology (Part II)

Chairs: Patricia de Cremoux (Paris, France) and Marilena Kampa (Eraklion, Greece)

This session is sponsored by the Foundation ARC (Fondation pour la Recherche sur le Cancer)



- 14:00 - 14:20 L-3 **Invited Lecture: *Regulation of cell cycle via PR / DREAM complex in fallopian tube models of high grade serous ovarian cancer***
Carol A. Lange (Minneapolis, USA)
- 14:20 - 14:40 L-4 **Invited Lecture: *Endocrine disrupting chemicals (EDC) and the risk of testicular cancer***
Patrick Fenichel (Nice, France)
- 14:40 - 15:10 **Poster Session I**
- 15:10 - 15:40 **Coffee break**
- 15:40 - 15:55 O-4 **Targeting GPER in glioma, a promising therapeutic strategy?**
Alex Hirtz (Nancy, France)
- 15:55 - 16:10 O-5 **G protein-coupled estrogen receptor regulates colon and pancreas cancer progression in a macrophage and sex-dependent manner**
Damian Jacenik (Lodz, Poland)

Steroids in Neuroprotection

Chairs: Patricia de Cremoux (Paris, France) and Yves Jacquot (Paris, France)

- 16:10 - 16:30 L-5 **Invited Lecture: *Progesterone signaling and neuroprotection***
Michael Schumacher (Paris, France)
- 16:30 - 16:45 O-6 **Phosphorylation of glucocorticoid receptors in brain functions and diseases**
Freddy Jeanneteau (Montpellier, France)
- 16:45 - 17:00 O-7 **Estrogens are neuroprotective in the male prefrontal cortex**
Nandini Vasudevan (Reading, UK)

Thursday, 22. September 2022

Grand Salon, La Sorbonne, 47, rue des Ecoles, 75005 Paris

Morning Session

Molecular Pharmacology of Steroid Receptors

Chairs: Martin Wehling (Mannheim, Germany) and Elias Castanas (Eraklion, Greece)

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| 8:30 - 8:55 | L-6 | Keynote Lecture: Allosteric control of nuclear steroid receptor transcription
Dino Moras (Strasbourg, France) |
| 8:55 - 9:10 | O-8 | Role of androgens in skeletal muscle
Delphine Duteil (Illkirch, France) |
| 9:10 - 9:25 | O-9 | Rapid effects of zip9-directed peptides on myogenic and osteogenic cells and their potential use
Georgios Scheiner-Bobis (Giessen, Germany) |
| 9:25 - 9:50 | O-10 | Sex differences in the vasodilator effect of a selective GPER agonist in resistance arteries of gonadectomized rats
Roger dos Santos (Vitoria, Brazil) |
| 9:50 - 10:20 | | Poster Session II |
| 10:20 - 10:50 | | Coffee break |
| 10:50 - 11:10 | L-7 | Invited Lecture: Structural and signaling characteristics of mPRα (PAQR7): molecular modeling, mutational analysis, steroid specificity, and signal transduction
Peter Thomas (Port Aransas, USA) |
| 11:10 - 11:30 | L-8 | Invited Lecture: Design and functions of pathway-preferential estrogens
Zeynep Madak-Erdogan (Urbana-Champaign, USA) |
| 11:30 - 11:45 | O-11 | Role of the mineralocorticoid receptor in the physiology of the adrenal cortex and the development of APA
May Fayad (Paris, France) |
| 11:45 - 12:00 | O-12 | Identification of MicroRNAs binding to the mineralocorticoid receptor in stroke and vascular dementia
Lara Peden (Glasgow, Scotland) |
| 12:00 - 14:00 | | Lunch break |

Afternoon Session

New Roles of GPCRs in Steroid Signaling

Chairs: Zeynep Madak-Erdogan (USA) and Ralf Jockers (France)

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| 14:00 - 14:20 | L-9 | Invited Lecture: Ligand-independent signaling of steroid GPCRs
Eric R. Prossnitz (Albuquerque, USA) |
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- 14:20 - 14:35 O-13 ***GPER: an opportunity to alleviate pain, focus on a peptidic GPER inverse agonist***
Christophe Mallet (Clermont-Ferrand, France)
- 14:35 - 14:50 O-14 ***Constitutive activity of GPER1 correlates with results of an APEX2-mediated proximity labeling experiment***
Maryam Ahmadian Elmi (Geneva, Switzerland)
- 14:50 - 15:05 O-15 ***GPER1 & ER β signal to rapidly increase aromatase gene expression in a mouse hypothalamic cell line***
DeAsia Davis (Reading, UK)
- 15:05 - 15:35 **Coffee break**

Vitamin D Receptor and Glucocorticoid Receptor Chairs: Jean-François Arnal (France) and Fabio Fernandes-Rosa (France)

- 15:35 - 15:55 L-10 ***Invited Lecture: Vitamin D signaling: genomic and also non-genomic actions?***
Carsten Carlberg (Olsztyn, Poland)
- 15:55 - 16:10 O-16 ***Non-genomic pathways activated by vitamin D***
Michal A. Zmijewski (Gdansk, Poland)
- 16:10 - 16:30 L-11 ***Invited Lecture: Mechanisms of dexamethasone in the treatment of COVID-19***
Brian J. Harvey (Dublin, Ireland)
- 16:30 - 16:45 O-17 ***A novel function for thyroid hormones in the regulation of glucocorticoid hormone metabolism***
Laetitia Martinerie (Le Kremlin-Bicêtre, France)
- 16:45 - 17:00 O-18 ***The glucocorticoid receptor is likely involved in the development of the salt-sensitive hypertension through the deregulation of the soluble epoxide hydrolase (seh) in rats***
Paul-Emmanuel Vanderriele (Lausanne, Switzerland)

Anniversary Session: The History of Rapid Responses to Steroid Hormones (RRSH) Chairs: Yves Jacquot (Paris, France) and Matthias Barton (Zürich, Switzerland)

- 17:00 - 17:30 L-12 ***Invited Lecture: Sharing research on rapid steroid actions over a quarter of a century***
Martin Wehling (Mannheim, Germany)
- 19:00 - 23:30 **Gala Event**
Celebrating 25 Years of RRSH, Musée d'Orsay, Paris

Friday, 23. September 2022

Grand Salon, La Sorbonne, 47, rue des Ecoles, 75005 Paris

Morning Session

Mineralocorticoid Receptor in Health and Disease

Chairs: Maria-Christina Zennaro (France) and Brian J. Harvey (Ireland)

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| 9:00 - 9:25 | L-13 | Keynote Lecture: Activation of Mineralocorticoid Receptor by Rac1 GTPase
Toshiro Fujita (Tokyo, Japan) |
| 9:25 - 9:45 | L-14 | Invited Lecture: New approaches and indications for therapeutic targeting of the aldosterone-mineralocorticoid axis
Achim Lothar (Freiburg, Germany) |
| 9:45 - 10:05 | L-15 | Invited Lecture: Endocrine disruptors as a novel cause of hyperaldosteronism
Gian Paolo Rossi (Padova, Italy) |
| 10:05 - 10:15 | | Panel Discussion |
| 10:15 - 10:30 | O-19 | Vasorelaxing effect of finerenone in arteries from human visceral adipose tissue
Francesca Schinzari (Roma, Italy) |
| 10:30 - 10:45 | O-20 | Finerenone, a new mineralocorticoid receptor antagonist, attenuates established pulmonary hypertension in rats.
Say Viengchareun (Kremlin-Bicêtre, France) |
| 10:45 - 11:00 | O-21 | Aldosterone effects on T cell proliferation and activation
Maria Piazza (Padua, Italy) |
| 11:00 - 11:15 | O-22 | Mineralocorticoid receptor inhibition in parietal epithelial cells prevents glomerular injury during crescentic glomerulonephritis
Sheerazed Boulkroun (Paris, France) |
| 11:15 - 11:45 | | Coffee break |

Novel Rapid Effects of Steroid Hormones

Chairs: Carol A. Lange (Minneapolis, USA) and Anne Guiochon-Mantel (Kremlin-Bicêtre, France)

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| 11:45 - 12:05 | L-16 | Invited Lecture: Membrane ERα signaling: from tissue specificity to medical implications
Jean-François Arnal (Toulouse, France) |
| 12:05 - 12:25 | L-17 | Invited Lecture: Architecture of androgen receptor pathways amplifying insulin secretion in male pancreatic β-cells
Franck Mauvais-Jarvis (New Orleans, USA) |
| 12:25 - 12:40 | O-23 | Rapid action of sex hormones on pregnant uterine contraction in rat
Mohsen Mirdamadi (Szeged, Hungary) |

12:20 - 12:55

O-24 ***Sex steroids modulate food seeking behavior by skin solar ultraviolet exposure***
Shivang Parikh (Tel Aviv, Israel)

13:15 - 13:30

Awards Ceremony

13:30 - 13:45

Closing Remarks

Matthias Barton (Zürich, Switzerland)

Patricia de Cremoux (Paris, France)

Yves Jacquot (Paris, France)

Jean-Louis Beaudoux, Dean of the Faculty of Pharmacy, University of Paris, France)