

2nd French-Spanish Nuclear Receptor Meeting

Paris, May 15-16th 2025



Salle des Actes
Faculté de Pharmacie de Paris
4 avenue de l'observatoire, 75006 Paris

The Organizing Commitee

Thierry FOURNIER

Céline GUIGON

Alice PIERRE

Marie-Léone VIGNAUD

Ioana FERECATU

Raja DJELIDI



Fonctions Placentaire & Reproductive
Microbiote pré & post natal

Scientific Program: Thursday, May 15th

09:00 am - 09:45 am Opening - Coffee

09:45 am - 10:00 am Welcome Speech - Thierry Fournier

10:00 am - 1:0 pm **Session 1: Nuclear receptors in physiology and pathophysiology**

Chair: Maria Christina Zennaro - Françoise Lenfant

10:00 - 10:40 am **Plenary lecture: Dr. Benoît POURCET** « Nuclear receptors and circadian rhythms in pathophysiology »

Université de Lille, INSERM, Institut Pasteur, EGID, Lille, France

10:40 am - 1:00 pm **Regular presentations** (15 min presentation – 5 min question)

- **Damien Le-Menuet:** «New roles of glucocorticoid receptors in Schwann cells and peripheral myelination» *INSERM UMR-S1124 Healthfex, Paris, France*
- **Marie Léone Vignaud:** «PPARG, a gene with multiple expression» *FPRM, UP Cité, INSERM, Paris, France*
- **David L'Hôte:** «Multi-scale analysis of the genomic role of Estrogen Receptor α in immature pituitary gonadotrope cells» *BFA, UP Cité, CNRS, Paris, France*
- **Sofia Peirera:** «The AHR pathway modulates renal transcriptomic responses in chronic intermittent hypoxia-induced hypertension» *Universidade NOVA de Lisboa, Portugal*
- **Sheerazed Boulkroun:** «Mineralocorticoid receptor inhibition in parietal epithelial cells prevents glomerular injury during focal segmental glomerulosclerosis and crescentic glomerulonephritis» *UPCité, PARCC, INSERM, Paris, France*
- **Adrien Gargaros:** «Re-evaluating estrogen receptors ER α and ER β expression in endometriosis reveals the prominent role of ER α » *INSERM, I2MC, Toulouse, France*
- **Charlotte Scholtes:** «Understanding and targeting early diet-induced disruption of hepatic ER-mitochondria calcium coupling in obesity and type 2 diabetes: a key role for ERR α » *CarMeN, INSERM, INRA, Lyon, France*

1:00 - 2:00 pm Lunch Buffet
Composition of the jury for the awards

Scientific Program: Thursday, May 15th

02:00 pm - 02:40 pm Session 1: Nuclear receptors in physiology and pathophysiology

Chair: Thierry Fournier – Céline Guigon

2:00 pm - 2:40 pm Short presentations (5 min presentation – 5 min question)

- **Noalig Wyckens** : « Study of the short- and long-term actions of mini-pubertal estradiol surge on ovarian function in mice » *FPRM, UP Cité, INSERM, Paris, France*
- **Andrea Gallego** : « The epidermal glucocorticoid receptor modulates skin glucose metabolism in conditions of metabolic dysfunction » *Instituto de Biomedicina de Valencia, Spain.*
- **Linghui Kong** : « Cardiometabolic complications associated with weight cycling in a context of estrogen deficiency » *PARCC, UP Cité, INSERM, Paris*
- **Zakary HAILI**: « Identifying genes controlled by Retinoic Acid Receptor Alpha in Sertoli cells » *IGBMC, CNRS, INSERM, Illkirch, France*

Scientific Program: Thursday, May 15th

2:40 - 6:30 pm Session 2: Nuclear receptors in cancer - New therapeutic approaches

Chair : Ioana Ferecatu - Muriel Leromancer

2:40 - 3:20 pm Plenary lecture: Dr. Xavier Coumoul « The AhR, more than a xenobiotic receptor! »

INSERM UMR-S 1124, Toxicologie Pharmacologie et Signalisation Cellulaire, Paris

3:20 - 4:00 pm Regular presentations (15 min presentation– 5 min question)

- **Charly Jehanno** : « Activated Glucocorticoid Receptor is an Estrogen Receptor Silencer in ER α + metastatic breast cancer » *University of Basel, Switzerland*
- **Christel Péqueux**: « From menopause hormone treatments to resistance to endocrine therapy: ER α , a key player *GIGA-Cancer* » , *University of Liège, Belgium*.

4:00 - 4:30 pm Coffee break

4:30 - 5:30 pm Short presentations (5 min presentation – 5 min question)

- **Quentin Derosa** : « Study of the role of PXR in the proliferation of colon and liver cancer cells. » *PCC, IRCM, INSERM, University of Montpellier, France*.
- **Zélie Bouveret** : « Targeting glucocorticoid receptor signalling in paclitaxel resistance in triple-negative breast cancer » *CRC, University of Lyon, INSERM, CNRS, Lyon, France*.
- **Ludivine Pruvost** : « Involvement of PRMT5 in glucocorticoid receptor signaling in doxorubicin resistance in triple-negative breast cancer » *CRC, University of Lyon, INSERM, CNRS, Lyon, France*.
- **Savera Agolli** : « Molecular mechanisms controlling expression of the human N-cadherin in prostate cancer cells » *CNRS, INSERM, Université Strasbourg, France*
- **May Fayad** : « Role of the mineralocorticoid receptor in the physiology of the adrenal cortex and the development of aldosterone producing adenomas » *PARCC, UPCité, INSERM, Paris, France*
- **George Couch** : « Progestins induce estrogen receptor reprogramming through distinct mechanisms» *Cancer Research UK, University of Cambridge, United-Kingdom*

Sponsor presentation (10 min)

Scientific Program: Friday, May 16th

9:30 am – 12:20 pm Session 3: Structure and signaling of nuclear receptors

Chair : Marie-Léone Vignaud - William Bourguet

9:30 - 10:50 am Short presentations

(5 min presentation – 5 min question)

- **Aurora Silvestri** : « Structural studies of CBP/p300 complexes and characterization of peptide-based CBP inhibitors » *IGBMC, Illkirch, France*
- **Zuleima Ramos-Hernández**: « The mineralocorticoid and progesterone receptors form heteromeric complexes in live cells » *Universidad de la Laguna, Santa Cruz de Tenerife, Spain*
- **Julie Perrot**: « A novel variant in the NR3C1 gene leading to Glucocorticoid Resistance Syndrome » *University Paris Saclay, INSERM, Kremlin-Bicetre, Paris, France*
- **Izabella Tambones** : « DNA as a central modulator of Retinoic Acid Receptor (RAR α) structural dynamics » *CBS, CNRS, INSERM, University of Montpellier, France*
- **Romane Person**: « AHR ligands: Harmful or Beneficial for the Human Placenta ? » *FPRM, UPCit , INSERM, Paris, France*
- **Shijia Wu**: «SOSHI-seq: a high-throughput screening assay to test the functionality of putative response elements for nuclear hormone receptors» *IGFL, ENS Lyon, France*
- **Tanisha Sooben**: «Characterizing the binding of the glucocorticoid receptor to non-consensus glucocorticoid response elements » *IGBMC, CBI, Illkirch, France*
- **Manon Mallet**: « Structural and functional insights into the nuclear receptor DAF-12 from different parasitic nematodes » *INSERM, Centre de Biochimie Structurale, Montpellier, France*

10:50 - 11:20 am Coffee break

11:20 am - 12:20 pm Regular presentations

(15 min presentation – 5 min question)

- **Eva Estebanez Perpi a**: «Structural basis for glucocorticoid receptor multimerization» *University of Barcelona, Spain.*
- **Paloma P rez**: «Identification of chromatin-bound glucocorticoid receptor protein interactome in keratinocytes: Impact on inflammation in organotypic skin cultures » *Instituto de Biomedicina de Valencia, Spain.*
- **David Volle**: «Identification of the roles of xenobiotic nuclear receptors in testicular physiopathology» *INSERM, Universit  Clermont Auvergne, CNRS UMR-6293, GReD Institute, Clermont-Ferrand, France.*

Scientific Program: Friday, May 16th

12:30 - 1:30 pm buffet lunch

Jury deliberation for the awards

1:30 Photo group – NRM Community

2:00 – 3:40 pm Session 3: Structure and signalling of nuclear receptors

Chair : Marie-Léone Vignaud - William Bourguet

2:00 – 2:40 pm Plenary lecture: Albane le Maire

« Nuclear receptors as novel targets for the treatment of parasitic diseases »

INSERM, Centre de Biochimie Structurale, Montpellier, France

2:40 pm - 3:40 pm Regular presentations

(15 min presentation – 5 min question)

- **Say Viengchareun** : « miR-409-3p and miR-431-5p repress renal mineralocorticoid receptor expression during the perinatal period » *University Paris Saclay, INSERM, Kremlin Bicetre, Paris, France.*
- **Marguerite Hureaux** : « Exploration of the transcriptomic impact of aldosterone at the cellular level within the distal nephron using single-nucleus RNA sequencing » *HEGP, PARCC, UP Cité, INSERM, Paris, France.*
- **Sirine SOUALI-CRESPO**: «Dual Roles of the Glucocorticoid Receptor in Myeloid Cells During Muscle Regeneration » *IGBMC, CNRS, INSERM, Illkirch, France*

Sponsor presentation (10 min)

4:00 pm: award ceremony for the best short communication (SFBBM)