

Journées de l'École Doctorale⁸⁵ de Nice

31st August & 1st September 2017

Faculty of Science, Valrose - Nice

Book of Abstract

Invited Speakers :

Yannick Moret : UMR 6282 Biogéosciences, Université
de Bourgogne – France

Tassula Proikas-Cezanne : University of Tübingen -
Germany

Detailed Program

Thursday, August 31st

- 7h45 – 8h45 Registration/breakfast
- 8h45 – 9h00 Opening and welcoming talk by Dr Thomas Lamonerie, Director of the doctoral school
- 9h00 – 10h00 Invited Keynote Lecture: **Yannick Moret**: UMR 6282 Biogéosciences, Université de Bourgogne – France

10h00 – 11h00 Oral Communication Session 1

OC-1 Elsa Garcia

Detection of bacterial virulence: characterization of the anti-virulence innate immune response.

OC-2 Jean-Paul Rocca

Effect of laser irradiation on CAD/CAM ceramic crowns: Mechanical, chemical properties & bacterial microinfiltration.

OC-3 Fanny Cavigliasso

Impact of temperature on the immune interaction between the parasitoid *Leptopilina boulardi* and two *Drosophila* host species.

OC-4 Le-Thu-Ha Nguyen

Bottom-up effects of drought on the host specificity of the aphid parasitoid *Aphidius ervi* (Hymenoptera: Braconidae).

11h00 – 11h30 Coffee Break

11h30 – 12h15 Oral Communication Session 2

OC-5 Serena Testi

An effector from an oomycete plant pathogen interferes with autophagy and cell death in plants and distant eukaryotes.

OC-6 Martina Rovere

ERF-VII family as key players in hypoxic signalling and adaptation in *Medicago truncatula*.

OC-7 Hereroa Johnston

The sea anemony *Nematostella vectensis* oral regeneration: partial redeployment of embryonic gene regulatory network through MEK/ERK.

12h15 – 13h15 Lunch Break

13h15 – 14h45 Poster session 1 (from **P-1** to **P-28**) and Workshop

14h45 – 16h00 Oral Communication Session 3

OC-8 Margo Montandon

Unraveling the molecular mechanisms that govern kidney epithelium regeneration in the adult organism.

OC-9 Anil Chougoule

Left-Right symmetry-breaking in *Drosophila*.

OC-10 Caterina Novelli

Genetic and cell biological dissection of Hedgehog morphogen secretion mechanisms in *Drosophila melanogaster*.

OC-11 Derya Deveci

The neuroendocrine control of puberty

OC-12 Lenka Schorova

Regulation of the SUMOylation balance at the neuronal synapse.

16h00 – 16h30 Coffee Break

16h30 – 17h45 Oral communication Session 4

OC-13 Lazaro Emilio Aria

Role of the Lyn tyrosine kinase in the regulation of Psoriasis.

OC-14 Raphaël Mategot

Investigating the functions of nuclear miRNAs.

OC-15 Jeshlee Vijayakumar

Role of the Prion Like Domain of dlmp in neuronal RNP granule regulation.

OC-16 Liudmyla Lototska

RNA-mediated role of TRF2 in pericentromere function.

OC-17 Lun Jing

Molecular mechanisms of regulation of thyroid function by iodide.

17h45 – 19h00 Drinks

19h00 – 21h30 Dinner

Friday, September 1st

7h45 – 8h45 Registration

8h45 – 9h45 Invited Keynote Lecture: **Tassula Proikas-Cezanne**: University of Tübingen

9h45 – 11h00 Oral Communication Session 5

OC-18 Benjamin Barre

Natural variation in yeast ageing reveals genetic and environmental factors.

OC-19 Gwenaëlle Bouget

Implication of the small GTPase Rab4b in macrophages in the pathogenesis of obesity.

OC-20 Bastien Vergoni

DNA damage and the activation of the p53 pathway mediate alterations in metabolic and secretory functions of adipocytes.

OC-21 Cynthia Lebeaupin

Targeting the IRE1alpha pathway of the endoplasmic reticulum stress response rescues Bax-inhibitor-1-deficient mice from chronic liver disease.

OC-22 Denisa Jamecna

Investigation into the function of the N-terminal region of OSBP.

11h00 – 11h30 Coffee Break

11h30 – 12h45 Oral Communication Session 6

OC-23 Eleonora Meschi

Identification of a novel neural circuit controlling insulin/IGF secretion and systemic growth according to nutrients in *Drosophila*.

OC-24 Wafa Ben Salem

The effect of an active metabolite in the alteration of germ cells differentiation and microRNAs expression involved in male infertility due to early exposure to endocrine disruptors.

OC-25 Ndiaye Papa Diogop

Role of VEGFC in clear renal cell carcinoma/The relationship between VEGFC and HIF2.

OC-26 Sandra Ruiz Garcia

Cell lineage tracking by single-cell transcriptome analysis during normal and pathological regeneration of the airway epithelium.

OC-27 Sebastien Moreno

Altered TREK-1 function in sortilin deficient mice results in a depression resistant phenotype.

12h45 – 13h30 Lunch Break

13h30 – 15h00 Poster Session 2 (from **P-29** to **P-55**) and Workshop

15h00 – 16h00 Oral communication Session 7

OC-28 Emilie Jaune

Preclinical validation of a new anti-melanoma compound in B-Raf inhibitors sensitive and resistant melanoma cells.

OC-29 Robin Didier

Targeting the proteasome-associated deubiquitinating enzyme USP14 induces melanoma cell death and overcomes resistance to MAPK-targeting therapies.

OC-30 Romain Lotte

Mode of interaction of HACE1 E3 ubiquitin-ligase with its target Rac1.

OC-31 Manon Viaud

Characterization of novel somatic mutations of ABCA1 gene in chronic myelomonocytic leukemia.

16h00 – 16h30 Coffee Break

16h30 – 17h30 Oral Communication Session 8

OC-32 Katia Gharieb

Characterization of epigenetic mechanisms involved in prostate cancer related to early exposure to toxic and nutritional imbalances.

OC-33 Jozef Piotr Bossowski

Low protein diet induces IRE1alpha-dependent anticancer immunosurveillance.

OC-34 Anida Hasanovic

Inhibition of the drug efflux activity of Patched enhances chemotherapy efficiency in vitro and in vivo

OC-35 Tomás De Garay

CD98hc (SLC3A2) presents a novel longer variant with an alternative promoter

17h30 – 18h00 Closing session and JEDNs award

Poster Index

Session 1 (Thursday, August 31st)

- P-1 Chami Kim**
Deciphering *Drosophila* immune resistance to endoparasitoid wasps: mechanisms, specificity and evolution.
- P-2 Antoine Berger**
Contribution of nitrate reductases and hemoglobins to nitric oxide (NO) balance in the *Medicago truncatula* – *Sinorhizobium meliloti* symbiosis.
- P-3 Charles Olivieri**
Viral infection of the oral cavity by the Epstein-Barr Virus.
- P-4 Ly Ta Ngoc**
Fas survival signal is necessary for a robust epidermal growth factor receptor signalling.
- P-5 Alexandre Bourgeois**
Amyloid-beta independent implication of the C99 fragment in Alzheimer's disease: study of a new Alzheimer's mouse model based on viral expression.
- P-6 Jonas Friard**
Comparative Effects of Chloride Channel Inhibitors on LRRC8/VRAC-Mediated Chloride Conductance.
- P-7 Gwenaëlle Le Menn**
Effect of T cell specific PPAR β overexpression on diet-induced obesity and its associated inflammation and insulin resistance.
- P-8 Ruxanda Moschoi**
Protective mitochondrial transfer from bone marrow stromal cells to acute myeloid leukemic cells during chemotherapy.
- P-9 Raphaël Bonche**
Perlecan, a basement membrane component, is transcriptionally regulated by morphogens in *Drosophila melanogaster*.
- P-10 Victro Burte**
Movement strategies of *Trichogramma* sp.
- P-11 Ilona Berestjuk**
Interactions with fibroblast-derived extracellular matrix (ECM) confers resistance to targeted therapies in melanoma.
- P-12 Karine Dumas**
Role of REDD1 in high fat diet induced metabolic diseases.
- P-13 Morgane Le Rolle**
WNT/CTNNB1 signaling pathway controls germ cell development in mammals.
- P-14 Maria Goncalves-Maia**
Tumor surveillance: Alterations in Xeroderma Pigmentosum?
- P-15 Estelle Roger**
MicroRNA involvement in the control of brown adipose tissue activity in a model of predisposition to type 2 diabetes.
- P-16 Nadia Formicola**

CaMKII: a novel regulatory component of Imp neuronal RNA granules?

P-17 Marie-Line Menard

Incidence of adverse events in antipsychotic-naïve children and adolescents treated with antipsychotic drugs: A French multicentre naturalistic study (ETAPE) - Preliminary Results

P-18 Michela Ion Scotta

Distributions and adaptations of the Trichogramma egg parasitoids belonging in spatially heterogeneous and / or temporally variable environments: Implications in evolutionary ecology and biological control.

P-19 Van Chung Nguyen

A Phylogeographical study of the vector nematode Xiphinema index using mitochondrial and microsatellite markers highlights its Eastern origin closely linked to grapevine domestication.

P-20 Gaia Fabris

Reduced liver development in progeny of rat dams having suffered from protein restriction: possible role of altered microRNA biogenesis.

P-21 Lucile Hurault

Uranium impairs osteocyte differentiation and mineralisation function.

P-22 George Efthymiou

Fibronectin extra domains: from A to B to differential molecular properties and altered cellular behaviour.

P-23 Cyril Van Ghelder

TIR-NB-LRR genes in Prunus species: insight into the Post-LRR domain.

P-24 Margot Muller

The XPC protein at the cross road of DNA repair, aging and cancer promotion.

P-25 Déborah Vallée

Inhibition of the IRE1 α branch enhances the anti-tumoral activity of Sorafenib in hepatocellular carcinoma.

P-26 Luo Chen

The presence of secondary symbionts modulates phenoloxidase (POA3) gene and protein expression in the pea aphid Acyrthosiphon pisum.

P-27 Racha Fayad

Loss of EFA6-B, an EMT regulator, facilitates breast cancer development in vivo

P-28 Lisa Kaminski

PGC-1 α controls an onco-metabolic program to limit prostate cancer aggressiveness

Session 2 (Friday, September 1st)

- P-29 Joana Justino**
Careful molecular dissection of PLA2R1 epitopes in idiopathic Membranous Nephropathy: from identification to personalized medicine.
- P-30 Christelle Zaghrini**
Thrombospondin type-1 domain containing 7A: the second player in membranous nephropathy.
- P-31 Justine Leclerc**
Role and regulation of ASAH1 in melanoma.
- P-32 Clément Verkest**
Inhibition of ASIC1 channels in a rat model of migraine results in analgesic effects.
- P-33 Claire Michelet**
Phylogenetic study of Macrophage Migration Inhibitory Factor (MIF) cytokines and analysis of their role in host - parasite interactions.
- P-34 Perrine Royal**
Heterodimerization within the TREK channel subfamily produces a diverse family of highly regulated potassium channels.
- P-35 Sokchea Khou**
Tumor-associated neutrophils in skin carcinogenesis development: novel opportunities for cancer therapy?
- P-36 Xi Yao**
Potential of brown adipocyte progenitors derived from hiPSCs to counteract obesity.
- P-37 Renaud Bussiere**
Amyloid β production is regulated by β 2-adrenergic signaling-mediated post-translational modifications of the ryanodine receptor, which induces calcium leak leading to Alzheimer's disease-like pathologies and cognitive deficits.
- P-38 Sara Castagnola**
Fragile X Mental Retardation Protein regulates calcium signaling via Cacna1a.
- P-39 Furong Tang**
Rspo1 in Female Sex Determination.
- P-40 Aidan Falvey**
The XX Nerve is the Intersection of Nervous and Hormonal Regulation of Immunity.
- P-41 Yanyan Qu**
Assessment of the impact of functional types of pests on plant-mediated indirectly interactions.
- P-42 Katharina Stobbe**
Effect of Lipid Nature on the Establishment of Diet-Induced Obesity in Mice. Role of Chemokine CCL5.
- P-43 Sarah Zerimech**
Hyperexcitability of GABAergic interneurons can trigger cortical spreading depression: a new pathological mechanism of migraine?

- P-44 Adrien Paul**
Large amount of Mesenchymal Stem Cells available in periodontal ligament after culture.
- P-45 Wejdane El Maanaa**
Study of UPR function in Parkinson's disease.
- P-46 Vishnu Saraswathy**
Analysing the role of Mindbomb in planar cell polarity pathway.
- P-47 Martin Pare**
Browning process of adipocytes is decreased by HIV-protease inhibitors and induced in breast cancer-associated adipocytes.
- P-48 Danila Cabral do Nascimento**
ABAP1 and AIP10 are implicated in DNA replication and transcription in galls induced by plant parasitic nematodes.
- P-49 Lila Rouland**
Parkin and Glioblastoma.
- P-50 Marjorie Haond**
Pinning theory tested experimentally with positive density dependent dispersal.
- P-51 Arnaud Fernandez**
Exploration and characterization of phenotypic and genetic profile of childhood-onset schizophrenia associated with autism spectrum disorder.
- P-52 Yusha Wang**
Conservation biological control: impact of the various non-cropped components of landscape elements on phytophagous and natural enemies.
- P-53 Sanya Kuzet**
Role of tumor microenvironment in resistance to chemotherapy.
- P-54 Torsten Felske**
Direct Reprogramming of neural cells into corticospinal neurons.
- P-55 Amélie Cavard**
Role of Sonic Hedgehog pathway in the airway multiciliated cell differentiation.
- P-56 Pierre Eric Danin**
Noninvasive evaluation of NAFLD with indocyanine green clearance test: a preliminary study in morbidly obese patients undergoing bariatric surgery.
- P-57 Laura Sormani Le Bourhis**
Identification of a new gene involved in human skin pigmentation: CLEC12B.
- P-58 Hala Awina**
Cadherins and Dlg1 polarity molecule are gatekeepers of Fas cell death receptor.