

NOVEMBER 23-24, 2021

LABEX ANNUAL MEETING 2021

Discover the projects selected through the different calls, the new training sessions, and the many accomplishments of the Labex's members

**Center Parcs Les Bois Francs
Verneuil-sur-Avre, France**

PROGRAM

TUESDAY, NOV 23

08.00 AM: BUS DEPARTURE

10.30 AM: WELCOME COFFEE

11.00 AM: INTRODUCTION

*by Claire ROUGEULLE (EDC), Benoit LADOUX (IJM),
and Valérie DROUET (Labex)*

**11.45 AM: TRAINING IN ETHICS AND
INTERDISCIPLINARITY**

*by Philippe HUNEMAN (IHPST) and Marco ARANEDA
(CRPMS)*

12.30 PM: LUNCH BREAK

**02.00 PM: TRANSMISSION OF IDENTITY ACROSS
GENERATIONS**

see p.5 for details

**03.00 PM: ROOM INSTALLATION AND COFFEE
BREAK**

**04.00 PM: INTEGRITY OF IDENTITY IN RESPONSE
TO STRESS AND CHALLENGE**

see p.6 for details

05.00 PM: POSTERS SESSION

see p.7-10 for details

08.00 PM: DINER AND PARTY

WEDNESDAY, NOV 24

09.30 AM: PLASTICITY AND CHANGES IN IDENTITY

see p.11 for details

10.30 AM: COFFEE BREAK

11.00 AM: TRANSVERSE PROJECTS

see p.12 for details

12.15 PM: LUNCH BREAK

02.00 PM: GROUP DISCUSSIONS WITH TRANSVERSE PROJECTS REPRESENTATIVES

03.30 PM: FREE TIME / EXECUTIVE COMMITTEE AND SCIENTIFIC ADVISORY BOARD MEETING

05.00 PM: WRAP UP AND CONCLUDING REMARKS

06.00 PM: BUS DEPARTURE

TRANSMISSION OF IDENTITY ACROSS GENERATIONS

NOV 23, 2-3 PM

MALE GENITAL LOBE MORPHOLOGY AFFECTS THE CHANCE TO COPULATE IN DROSOPHILA PACHEA

by Michael LANG

Transition 2020, team Courtier, IJM

MEMBRANE MECHANISMS THAT BLOCK POLYSPERMY

by Sophie FAVIER

Transition 2020, team Vaiman, IC

MOLECULAR BASES AND BIOLOGICAL FUNCTIONS OF CENTRIOLE ROTATIONAL ASYMMETRY IN HUMAN CELLS

by Paula MARTIN GIL

Thematic 2021, team Azimzadeh, IJM

ROLE OF LYSINE METHYLATION IN CYTOKINESIS AND CANCER

by Souhila MEDJKANE & Jérémy BERTHELET

Thematic 2021, team Weitzman, EDC

INTEGRITY OF IDENTITY IN RESPONSE TO STRESS AND CHALLENGE

NOV 23, 4-5 PM

**INTERPLAY BETWEEN CELL ADHESION AND CELL
CONTRACTILITY IN ADHERENS JUNCTION
BIOGENESIS AND COLLECTIVE CELL MIGRATION**

by René-Marc MEGE

Transition 2020, team Ladoux/Mège, IJM

**IN VITRO RECONSTITUTION OF THE CROSSTALK
BETWEEN ACTIN AND VIMENTIN FILAMENTS**

by Duc Quang TRAN

Thématique 2021, team Leduc, IJM

**GENOMICS AND METAGENOMICS: EPISTEMOLOGY
AND ONTOLOGY OF BIOLOGICAL IDENTITY IN THE
POSTGENOMIC ERA**

by Philippe HUNEMAN & Cécilia BOGNON-KUSS

Thématique 2021, team Huneman, IHPST

**ELUCIDATING THE MOLECULAR MECHANISMS OF
TRANSCRIPTION TERMINATION BY THE RNA
POLYMERASE III**

by Juanjuan XIE

Transition 2021, team Porrua/Libri, IJM

POSTERS SESSION 1

NOV 23, 5-6.30 PM

1) ROLE OF LRRFIP2 IN HYPOXIA REGULATION DURING HEART DEVELOPMENT

by Laura BEN DRISS, team Maire-Sotiropoulos, IC

2) ROLE OF ESCRT III METHYLATION IN CYTOKINESIS AND BREAST CANCER

by Jérémy BERTHELET & Souhila MEDJKANE, team Weitzman, EDC

3) SMALL NUCLEOLAR RNAs IN NORMAL AND PATHOLOGICAL MUSCLE DIFFERENTIATION

by Baptiste BOGARD, team Francastel, EDC

4) DEVELOPING IPSC-DERIVED CORTICAL AND SPINAL ORGANOIDs TO DECIPHER THE MOLECULAR AND CELLULAR DEFECTS UNDERPINNING NEURODEVELOPMENTAL DISEASES

by Kamal BOUHALI, enSCORE platform, IJM/EDC

5) THE EPISTEMIC AND ONTOLOGICAL VALUE OF STOCHASTICITY IN CELLS STRESS RESPONSE. THE CASE OF ALTERNATIVE START-CODON SELECTION

by Marco CASALI, team Huneman, IHPST

6) ROLE OF MECHANICS AND CELL-CELL ADHESION IN THE EMERGENCE OF COLLECTIVE CELL MIGRATION

by Victor CELLERIN, team Ladoux/Mège, IJM

7) ELUCIDATING THE PROXIMAL ORIGIN(S) OF SARS-COV-2

by Virginie COURTIER-ORGOGOZO, team Courtier, IJM

POSTERS SESSION 1

NOV 23, 5-6.30 PM

8) ANALYSIS OF TRANSCRIPTIONAL NETWORKS AND CELLULAR COMMUNICATIONS DURING SKELETAL MUSCLE HYPERTROPHY

by Léa DELIVRY, team Maire-Sotiropoulos, IC

9) PARAMECIUM POLYCOMB REPRESSIVE COMPLEX 2 PHYSICALLY INTERACTS WITH THE SMALL RNA BINDING PIWI PROTEIN TO REPRESS TRANSPOSABLE ELEMENTS

by Sandra DUHARCOURT, team Duharcourt, IJM

10) INTERPLAY BETWEEN THE ONCOPROTEIN FAK AND PYK2 AND THE MOLECULAR SCAFFOLDS BETA-ARRESTINS

by Hervé ENSLEN, team Marullo, IC

11) MEMBRANE MECHANISMS THAT BLOCK POLYSPERMY

by Sophie FAVIER, team Vaiman, IC

12) EVOLUTION OF STEM CELLS AND REGENERATION IN ANIMALS

by Eve GAZAVE, team Vervoort, IJM

13) 3D SHAPE OF EPITHELIAL CELLS IN A CURVED ENVIRONMENT

by Sylvie HENON, team Physique du Vivant, MSC

POSTERS SESSION 2

NOV 23, 6.30-8 PM

14) DECODERS - DECODING LOCUS-SPECIFIC MOLECULAR NETWORKS USING BIOTIN-BASED PROXIMITY LABELING

by Guillaume JANNOT, team Palancade, IJM

15) PLATFORM "BIOMECHANICS OF THE CELL"

by Mireille LAMBERT, team Lambert, IC

16) DECIPHERING THE ROLE OF FOXO1 IN DEFINING THE IDENTITY OF EFFECTOR CD4 T CELLS

by Théo LEVEL, team Lucas, IC

17) THE NON-CANONICAL ROLES OF DNA METHYLATION DURING EPIGENETIC REPROGRAMMING

by Ana MONTEAGUDO SANCHEZ, team Greenberg, IJM

18) MOLECULAR DISSECTION OF THE MECHANISMS REGULATING CELL DIVISION IN SPACE AND TIME DURING DEVELOPMENT

by Lionel PINTARD, team PINTARD, IJM

19) T LYMPHOCYTE ASYMMETRY UPON CHEMOKINE STIMULATION: INTERPLAY BETWEEN CAMP AND CYTOSKELETON

by Clotilde RANDRIAMAMPITA & Morgane SIMAO, team Randriamampita, IC

20) MYELIN ON-CHIP: STUDYING NEURO-GLIA INTERACTION IN THE PNS

by Hugo SALMON, team Biofluidique, MSC

POSTER SESSION 2

NOV 23, 6.30-8 PM

21) THE LYSINE METHYLTRANSFERASE SETDB1 REGULATES MITOSIS THROUGH INCENP (INNER CENTROMERE PROTEIN) METHYLATION

by Gilles TELLIER, team AIT-SI-ALI, EDC

22) IN VITRO RECONSTITUTION OF THE CROSSTALK BETWEEN ACTIN AND VIMENTIN FILAMENTS

by Duc Quang TRAN, team Romet-Lemonne/Jegou, IJM

23) MUSCLE INDUCED DIFFERENTIATION: INTERPLAY BETWEEN MECHANICAL AND ELECTRICAL EFFECTS (MIDMEE)

by Lorijn VAN DER SPEK, team Biofluidique, MSC

24) SPATIO-TEMPORAL COORDINATION BETWEEN LAMINA DEPOLYMERIZATION AND MITOTIC SPINDLE ELONGATION PROMOTES THE UNIFICATION OF THE PARENTAL GENOMES IN THE C. ELEGANS ZYGOTE

by Griselda VELEZ-AGUILERA, team PINTARD, IJM

25) INTEGRITY OF THE SHORT ARM OF NUCLEAR PORE Y-COMPLEX IS REQUIRED FOR MOUSE EMBRYONIC STEM CELL GROWTH AND DIFFERENTIATION

by Annalisa VERRICO, team Doye, IJM

26) AN INTEGRATED MODEL FOR TERMINATION OF RNA POLYMERASE III TRANSCRIPTION

by Juanjuan XIE, team Porrua/Libri, IJM

PLASTICITY AND CHANGES IN IDENTITY

NOV 24, 9.30-10.30 AM

3D SHAPE OF EPITHELIAL CELLS IN A CURVED ENVIRONMENT

by Sylvie HENON

Transition 2020, team Physique du Vivant, MSC

PARAMECIUM POLYCOMB REPRESSIVE COMPLEX 2 PHYSICALLY INTERACTS WITH THE SMALL RNA BINDING PIWI PROTEIN TO REPRESS TRANSPOSABLE ELEMENTS

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Transition 2020, team Duharcourt, IJM

SMALL NUCLEOLAR RNAS IN NORMAL AND PATHOLOGICAL MUSCLE DIFFERENTIATION

by Baptiste BOGARD

Transition 2021, team Francastel, EDC

MUSCLE INDUCED DIFFERENTIATION: INTERPLAY BETWEEN MECHANICAL AND ELECTRICAL EFFECTS (MIDMEE)

by Myriam REFFAY

Thématique 2021, team Biofluidique, MSC

TRANSVERSE PROJECTS

NOV 24, 11-12.15 AM

NEURAL ORGANOID TO INVESTIGATE INTERPLAYS BETWEEN MECHANICAL AND TRANSCRIPTIONAL CUES UNDERPINNING NORMAL AND PATHOLOGICAL NEURODEVELOPMENT

*by Valérie DOYE, IJM, Valérie MEZGER, EDC & Vanessa RIBES, IJM
Transverse 2020*

SEGREGATION OF LONG-LASTING DNA DAMAGE DURING CELL DIVISION AND ITS POTENTIAL IMPACT ON STEM CELL FATE

*by Juliette FERRAND, team Polo, EDC
Transverse 2020*

EX VIVO BIOMIMETIC INTESTINAL MODEL FOR DEVELOPMENTAL STUDIES

*by Wang XI, team Ladoux/Mège, IJM
Transverse 2020*

WISCI: WHO AM I SINGLE-CELL INITIATIVE

*by Pierre-Antoine DEFOSSEZ, EDC & Caroline ANGLERAUX, IHPST
Transverse 2021*

DECODERS: DECODING LOCUS-SPECIFIC MOLECULAR NETWORKS

*by Benoit PALANCADE, team Palancade, IJM
Transverse 2021*