



EARLY CARRIERS PRE-CONFERENCE PROGRAM, LYON 2022

Where to position myself in the long path from the bench to the patient's bedside?

Wednesday September 14, 2022
IBCP, LBTI, 7 passage du Vercors
69367 Lyon

ETRS - LYON 2022

8:30 – 9:00 **REGISTRATION**

9:00 – 9:15 **OPENING:** Introduction to the early carrier investigator pre-conference
Discussion leaders: Dr. Mourad BEKHOUCHE (LBTI, Lyon, France) and Dr. Louise BUNDGAARD (University of Copenhagen, Denmark)

9:15 – 10:00 **ICE BREAKER:** What do you expect from research? Where do you stand in the translational research?

10:00 – 10:30 **COFFEE BREAK**

TRANSLATIONAL RESEARCH: When innovative tools bring researchers and clinicians together

Discussion leaders: Dr. Sebastien CADAU (BASF, Lyon, France), Maya EZZO (University of Toronto, Canada) and Chloé LAIGLE (LBTI, Lyon, France, and 3-D Matrix, Caluire-et-Cuire, France)

10:30 – 10:40 Dr. Frederic MALLEIN-GERIN (Ph. D, LBTI, Lyon)
The example of Cartilage repair and regeneration

10:40 – 10:50 Dr. Patricia ROUSSELLE (Clin. Pharm. D, Ph. D, LBTI, Lyon)
The example of skin repair and regeneration

10:50 – 11:00 Raphaël RICHERT (Dentist and PhD Student, Lyon, France)
Computer-based repair of damaged dental tissues: a translational approach

11:00 – 11:50 Presentation of **young investigators** selected from abstracts (8 min + 4 min questions).

Fereshteh YOUNESI (Ph. D student, University of Toronto, Canada)
Mechanically Induced Epigenetic Patterns Memorize Myofibroblast Transcription Profiles in Mesenchymal Stromal Cells (MSCs)

Dr. Mélissa DUSOYER (Ph. D, LBTI, Lyon, France)
Strong alterations of collagen biosynthesis and fibrillogenesis in the dermis of recessive dystrophic epidermolysis bullosa mice

Brit VAN DER LEEDEN (Ph. D student, Amsterdam UMC, The Netherlands)
Extracellular traps are present in the dermal microvasculature of burns wounds and coincide with a procoagulant phenotype

Iris LEMEUNIER (Ph. D student, CEA, Grenoble, France)
Deciphering adipose-derived stem cells secretion role in wound healing delay associated with diabetic foot ulcer

11:50 – 12:00 Q&A about translational research

12:00 – 13:00 **LUNCH BREAK** (Parc de Gerland)

TISSUE REPAIR IN INDUSTRY: From the research bench to industry: how tissue repair is addressed in industry?

Discussion leaders: Dr. Anna MICHOPPOULOU (Biohellenika, Pilea Chortiatis, Greece), Dr. Mélissa DUSOYER (LBTI, Lyon, France) and Dr. Marianne LEVEQUE (LBTI, Lyon, France)

13:00 – 13:15 Dr. Sebastien CADAU (Ph. D, BASF, Lyon, France)

13:15 – 13:30 Maxime LEGUES (CTi Biotech, Lyon, France)
Development of wound healing and skin models for research and development

13:30 – 13:45 Dr. Sharanya SANKAR (Ph. D, 3-D Matrix, Caluire-et-Cuire, France)

13:45 – 14:35 Presentation of **young investigators** selected from abstracts (8 min + 4 min questions).

Dr. Elisabeth HOFMANN (Ph. D, Joanneum Research, Graz, Austria)
In vivo monitoring of inflammatory mediators during wound healing progression using dermal open flow microperfusion

Merel GANSEVOORT (Ph. D student, Radboud UMC, Nijmegen, The Netherlands)
Construction of collagen scaffolds with heparan sulfate mimetics and heparin-binding growth factors to combat skin fibrosis

Lucas LEMARIÉ (Ph. D student, SEGULA Technologies, Villeurbanne, France)
Alginate-gelatin bioinks with variable viscoelastic properties as sole differentiation factor of induced pluripotent stem cells

Dr. Cécile Guillon (Ph. D, Urgo, Chenôve, France)
Glycation by glyoxal leads to profound changes in the behavior of dermal fibroblasts

14:35 – 15:00 Flash Presentations of **young investigators** (3 min - 3 slides / 3 questions)

Zhihao WANG (Ph. D student, Radboud UMC, Nijmegen, The Netherlands)
An in vitro co-culture model for muscle regeneration and fibrosis

Dr. Mélanie DHAYER (Ph. D, IRCL, Lille, France)
Human stromal vascular fraction cells in GelMA bioink spheroids using 3D-Bioprinting for adipose tissue reconstruction

Charlie COLIN-PIERRE (Ph. D student, Université de Reims Champagne-Ardenne, Reims, France, and BASF, Pulnoy, France)
The Glypican-1/c-Met and Glypican-1/Vascular Endothelial Growth Factor Receptor 2 complexes regulate hair follicle angiogenesis

Rob MEUWESE (Ph. D student, Radboud UMC, Nijmegen, The Netherlands)
Development of an expandable plug and preliminary evaluation in an ex vivo human fetal membrane model

Trévor LEONARDO (M.D Ph. D student, University of Illinois Chicago, USA)
Temporal dynamics of gene regulation in human tissue repair and regeneration

Eveline TORFS (Ph. D, Flen Health NV, Kontich, Belgium)
The role of advanced enzyme-based antimicrobials with limited resistance development in healing of infected chronic wounds

15:00 – 15:30 Q&A about career in industry

15:30 – 16:00 **COFFEE BREAK**

CAREER SESSION

Discussion leader: Dr. Louise BUNDGAARD (University of Copenhagen, Denmark)

16:00 – 16:30 Pr. Jeffrey DAVIDSON, Vanderbilt University School of Medicine and Past Editor in Chief, Wound Repair and Regeneration
Strategies for successful scientific publication

16:30 – 17:00 Pr. Ulrich AUF DEM KELLER (DTU, Lyngby, Denmark)
Career in academia

17:00 – 17:30 Q&A about scientific writing and career in research

SOCIAL EVENT: Ninkasi