

# Detailed Program

iCS-MCI 20th Anniversary Congress  
Mouse Clinical Institute / Institut Clinique de la Souris)



Over the past 20 years, the iCS-MCI has made important contributions to the study of gene function and to innovations that have transformed the research landscape in this field.

Organized by:

**phenomin**  **iCS**  
EXCELLENCE IN MOUSE PHENOGENOMICS



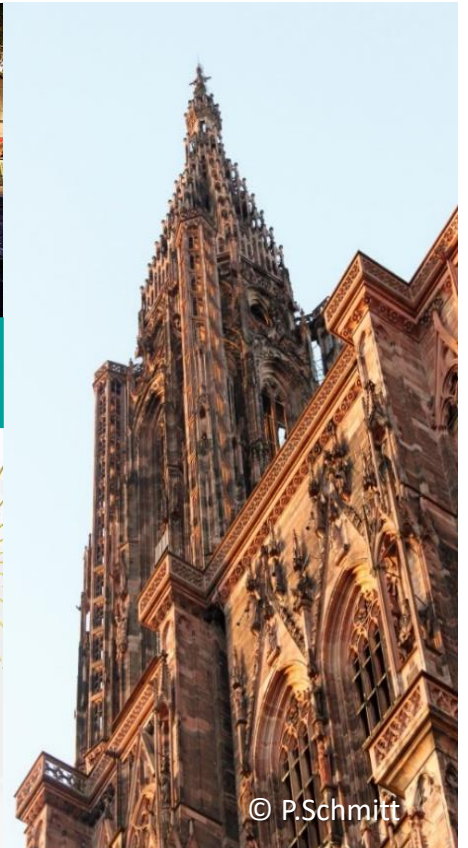
## Conference Venue:

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IGBMC-ICS 1 rue Laurent Fries, 67400 Illkirch, France



WELCOME TO STRASBOURG



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## Organising Committee iCS-MCI, Illkirch

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AYADI	Abdel	Head of Animal Facility Department
BIRLING	Marie-Christine	Co-Head of Genetic Engineering Department
BEDU	Elodie	Head of Communication and Training
HERAULT	Yann	Director
PAVLOVIC	Guillaume	Head of Genetic Engineering Department
PENSAVALLE	Joëlle	Executive Assistant
PETIT-DEMOULIÈRE	Benoit	Head of Phenotyping Department
SORG	Tania	Chief Operating Officer

## Confirmed Speakers

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ARNOULET	Serge	Association syndrome Costello et CFC	France
BAUMERT	Thomas	(Unistra, Strasbourg)	France
BROWN	Steve	(MRC, Harwell)	UK
DEBANT	Anne	CNRS CRBM, Montpellier	France
DUPUIS	Luc	(Unistra, Strasbourg)	France
ERBACHER	Patrick	(PolyPlus Transfection, Illkirch)	France
FRANCIS	Fiona	INSERM Institut du Fer à Moulin, Paris	France
GALLI	Thierry	INSERM	France
HINTTALA	Reetta	Oulu University	Finland
HOELTER-KOCH	Sabine	Premos, Cost action, Munich	Germany
HRABE DE ANGELIS	Martin	(HMGU, INFRAFRONTIER Munich)	Germany
PUCCIO	Helene	Institut Neuromyogène	France
RELAIX	Frédéric	Institut Mondor de recherche médicale	France
RITTNER	Karola	(Transgene, Illkirch)	France
ROSAHL	Thomas	(Merck Research Laboratories, Rahway)	USA
ROUAUX	Caroline	(Unistra, Strasbourg)	France
BENKEMOUN	Laura	(Fondation Maladies Rares, Paris)	France
NAUROY	Pauline	(Fondation Maladies Rares, Paris)	France
SEDLACEK,	Radislav	CCP Prague, IMPC	Czech Republic
FREMOND	Cécile	(PHENOMIN-TAAM, Orléans)	France
ZARUBICA	Ana	(PHENOMIN-CIPHE, Marseille)	France
CHAN	Susan	(IGBMC, Illkirch)	France
GODIN	Juliette	(IGBMC, Illkirch)	France
KEYES	Bill	(IGBMC, Illkirch)	France
LI	Mei	(IGBMC, Illkirch)	France
SEONG	Je Kyung	Korea Mouse Phenotyping Center (KMPC), Seoul National University	Korea

## Our Partners

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### Institutional Partners:

This Congress is supported by the University of Strasbourg under the frame of the IdEx Unistra and benefits from a funding from the State managed by the French National Research Agency as part of the Investments for the Future Programs.



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### Private Partners :



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14h00-14h30

Introduction

Yann Héroult, Directeur iCS

Frédéric Dardel, Directeur IGBMC

## Session 1 - Mouse Genetics for basic and private research

Chair: Yann HERAULT

14h30-14h50

**Cécile FREMOND**

*Ten years of collaboration TAAM-ICS : How to built an national Infrastructure*

14h50-15h10

**Martin HRABE DE ANGELIS**

*Impact of Genetics and Epigenetics on Diabetes*

15h10-15h30

**Steve BROWN**

*Deciphering the genetic bases for disease: 20 years of mouse genetics from EUMORPHIA to IMPC*

15h30-15h50

**Radislav SEDLACEK**

*Enamel matrix proteins & pleiotropy: novel molecular functions and physiological constrains*

15h50-16h10

**Thomas ROSAHL**

*Impact of GEM phenotyping at ICS for MSD Research Laboratories*

16h10-16h40 COFFEE BREAK

## Session 2- Models for understanding rare disease

Chair: Guillaume PAVLOVIC

16h40-17h00

**Laura BENKEMOUN & Pauline NAUROY**

*Fondation Maladie Rare*

17h00-17h20

**Frédéric RELAIX**

*A rat Duchenne muscular dystrophy for preclinical studies and deciphering tissue repair mechanisms*

17h20-17h40

**Serge ARNOULET**

*French Association of Costello & Cardio-Facio-Cutaneous Syndroms*

17h40-18h00

**Susan CHAN**

*In vivo models to study stem cell fate in hematopoiesis*

## Session 3- Neurodevelopmental Diseases

Chair: Marie-Christine BIRLING

9h00-09h20

**Fiona FRANCIS**

*Progenitor cell mechanisms contributing to cortical malformations*

09h20-09h40

**Juliette GODIN**

*Modifying tRNAs: a key process to regulate brain development?*

09h40-10h00

**Anne DEBANT**

*TITLE TO BE ANNOUNCED*

10h00-10h20

**Sabine HOELTER-KOCH**

Considering effects of neurodevelopmental genes in rare diseases

**10h20-10h50 COFFEA BREAK**

## Session 4- Degenerative disease and mechanisms

Chair: Tania SORG

10h50-11h10

**Patrick ERBACHER**

How cationic lipids offer new possibilities in the delivery of RNA therapeutics

11h10-11h30

**Caroline ROUAUX**

*Targeting disease-relevant corticofugal projection neurons with CrymCreERT2 mice*

11h30-11h50

**Helene PUCCIO**

*Advances in Friedreich ataxia: the value of mouse models for deciphering the pathophysiology and testing novel therapeutic approaches*

11h50-12h10

**Bill KEYES**

*Investigating the cellular mechanisms of senescence in health and disease*

12h10-12h30

**Luc DUPUIS**

*TITLE TO BE ANNOUNCED*

12h30-12h50

**Reetta HINTTALA**

*Discovering rare neurological disorders of childhood: Steps towards understanding FINCA*

**12H50-14h00**

**LUNCH**

Session 5- Models for immunology, inflammation and infection

Chair: Benoit PETIT-DEMOULIERE

14h00-14h20

**Mei LI**

*Deciphering immune regulation at skin barrier surface*

14h20-14h40

**Thomas BAUMERT**

*Humanized mouse models for the study of liver disease and therapeutic discovery*

14h40-15h00

**Ana ZARUBICA**

*Deciphering via humanized mice the etiology of the pathology induced by SARS-CoV2 and emerging respiratory viruses*

15h00-15h20

**Karola RITTNER**

*Pseudocowpoxvirus (PCPV): a novel vector to enhance the therapeutic efficacy of anti-tumor vaccination*

15h20-15h40

**Je Kyung SEONG**

*Mouse and Microbiome for Metabolic Dysregulation*

15h40-15h50

**Conclusion**

**Yann HERAULT**

**Thierry GALLI**

15h50-16h30 COFFEA BREAK

16h30-18h30

ICS Facility visit  
upon special registration only