



**RGB-Net Meeting**  
**&**  
**6<sup>th</sup> Rabbit Biotechnology Meeting**

**3-4 November 2015**  
**Institute of Cognitive Science - Lyon (France)**

**TUESDAY 3<sup>rd</sup>**

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8:00-9:30 Registration

9:30-9:40 Opening remarks from Luca Fontanesi (coordinator of RGB-Net) & Pierre Savatier (Stem Cell and Brain Research Institute, INSERM, Lyon).

**Session I : Genomics, genetics and new technologies**

Chair: Claire Rogel-Gaillard

9:40-10:10 Miguel Carneiro (University of Porto)

*"The rabbit genome: new hints from a domestication process" (tentative title)*

10:10-10:40 Luca Fontanesi (University of Bologna)

*"The Lagomorph Genomics Consortium: can we sequence the genome of all lagomorph species? The rabbit leads the way"*

10:40-11:10 Hervé Garreau (INRA)

*"Rabbit genomics in the Feed for Gene H2020 project" (tentative title)*

**Coffee break (20 minutes)**

11:30-12:00 Elisabetta Giuffra (INRA)

*"The FAANG project: is there any room for the rabbit?" (tentative title)*

12:00-12:30 Eve Devinoy (INRA)

*Title to be determined*

12:30-13:00 Yixue Li (Shanghai Industrial Technology Institute)

*"Genomic and RNA-seq analysis of JW, NZW and WHHL rabbits" (tentative title).*

**Lunch onsite + group photo (90 minutes)**

**Session I : Genomics, genetics and new technologies (continuation)**

Chair: Bertrand Pain

14:30-15:00: Véronique Duranthon (INRA, Jouy-en-Josas)

*"Development of new tools for easy transcriptome analyses in the rabbit. Applications to the embryo".*

15:00-15:30 Laurent Boulanger (INRA, Jouy-en-Josas)  
*"Genome editing in rabbit: it is time to use homologous recombination"*.

15:30-16:00 Lazlo Hiripi (NARIC-Agricultural Biotechnology Institute, Gödöllő)  
*"Placental-specific gene transfer in rabbits"*.

**Coffee break (20 minutes)**

16:20-17:00 Eckhard Wolf (Ludwig-Maximilian University, Munich)  
*"Sharing advances on large animal models"*

**17:00-18:00 RGB-Net Management Committee Meeting**

**20:00 Dinner**

**WEDNESDAY 4<sup>th</sup>**

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**Session II: Rabbit models of human diseases**

Chair: Zsuzsanna Bősze & Eugene Chen

9:00-9:35 Eugene Chen (University of Michigan Medical Center)  
*"Novel transgenic, knockout and knockin rabbit models for cardiovascular research"*.

9:35-10:10 Katja Odening (University of Freiburg)  
*"Transgenic rabbit models as ideal tools to investigate inherited arrhythmogenic diseases such as long-QT and short-QT syndrome"*.

10:10-10:30 Zsuzsanna Bősze (NARIC-Agricultural Biotechnology Institute, Gödöllő)  
*"Creation of long-QT type 5 transgenic rabbits, which are characterized with increased repolarization instability and arrhythmia susceptibility"*.

**Coffee break (20')**

10:50-11:25 Jianglin Fan (University of Yamanashi)  
*"apoE KO rabbits as a novel model for human hyperlipidemia"*.

11:25-12:00 Anne Navarrete-Santos (Martin Luther University Faculty of Medicine, Halle)  
*"Metabolic and hormonal adaptation is crucial for survival of the embryo during early pregnancy: A lesson from the rabbit."*

12:00-12:30 Geneviève Jolivet (INRA, Jouy-en-Josas)  
*"The rabbit, an efficient model for functional genomics studies"*.

12:30-13:00 Liangxue Lai (Guangzhou Institutes of Biomedicine and Health)  
*"Rabbit models for Human Eye Disease"*

**Lunch onsite (60')**

### **Session III : Embryo, gametes, and stem cells**

Chair: Véronique Duranthon

14:00-14:30 Pascale Chavatte-Palmer (INRA, Jouy-en-Josas)

*“Foetus and placenta development: new approaches for in vivo imaging”.*

14:30-15:00 Pierre Savatier (Stem Cell and Brain Research Institute, INSERM, Lyon)

*“Pluripotent stem cells and chimaeric competency in rabbits”.*

15:00-15:30 Thierry Joly (ISARA, Lyon)

*“Crypreservation of embryos, sperm, and somatic tissues in rabbits”*

15:30-16:00 Bertrand Pain (Stem Cell and Brain Research Institute, INSERM, Lyon)

*“Somatic cell reprogramming, of birds and mammals”*

16:00-16:15 Closing remarks from Jianglin Fan (President of the International Meeting on Rabbit Biotechnology) and Luca Fontanesi (coordinator of RGB-Net).

**End of meeting**