



The rabbit, an efficient model for functional genomics studies

Geneviève Jolivet

► To cite this version:

Geneviève Jolivet. The rabbit, an efficient model for functional genomics studies. RGB-Net Meeting & 6. Rabbit Technology Meeting, COST RGB-Net. ITA., Nov 2015, Lyon, France. hal-02792004

HAL Id: hal-02792004

<https://hal.inrae.fr/hal-02792004>

Submitted on 5 Jun 2020

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



RGB-Net Meeting
&
6th Rabbit Biotechnology Meeting

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

TUESDAY 3rd

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 4th

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