

Fifth meeting of the Transgenic Rat ImmunoPhenomic platform of Nantes
“Advances in transgenic animal models and techniques”

11th and 12th May 2017, Nantes, France

May 11th

12h30-13h25: **Registration and coffee**

13h20-13h30: **Welcome address- Ignacio Anegon**

Session 1: Genome engineering 1



13h30-14h00. Exploring Cas9 and CRISPR diversity for genome engineering applications.
V. Siksnys, Vilnius University, Lithuania

14h00-14h30: The CRISPR-associated DNA-cleaving enzyme Cpf1. **I. Fonfara, Max-Planck-Institute for Infection Biology, Berlin, Germany.**

14h30-15h00: **Selected oral presentations from abstracts**

14h30-14h40:

14h40-14h50:

14h50-15h00:

15h00-15h30. **Coffee break + poster exhibition + stands exhibitors**

Session 2: Generation of Transgenic Models 1

15h30-16h00. Genetically-modified mouse models: pros and cons of nucleases-based technologies. **A. Fraichard, GenOway, Lyon, France**

16h00-16h30. Rodent models in arterial hypertension research. **A.M Geurts, Medical College of Wisconsin, Milwaukee, Wisconsin**

16h30-17h00. Rodent models for atherosclerosis. **A. Tedgui, Hôpital Européen Georges Pompidou, Paris, France.**

17h00. **End meeting day 1.**

20h00. **Meeting dinner**

May 12th

Session 3: Genome engineering 2

9h00-9h30. Epigenetic regulation and genomic engineering. **F. Stewart, Technische Universität Dresden, Germany.**

9h30-10h00. New strategies for the genome editing of the rat. **I. Anegon, INSERM 1064, Nantes, France.**

10h00-10h30. Streptococcus thermophilus CRISPR-Cas9 systems enable specific editing of the human genome. **C. Mussolino, University of Freiburg, Freiburg, Germany.**

10h30-11h00. **Coffee break + poster exhibition + stands exhibitors**

Session 4: Generation of Transgenic Models 2

11h00–11h30. Rodent models for the analysis of cognitive disorders. **V. Brault, Institut de Génétique, Biologie Moléculaire et Cellulaire, Strasbourg, France.**

11h30-12h00. Rodent models of muscular genetic diseases. **C. Cadiou, Nantes University, Nantes, France.**

12h00-12h30: **Selected oral presentations from abstracts**

12h00-12h10:

12h10-12h20:

12h20-12h30:

12h30-13h30. **Lunch + Poster presentations + stand exhibitors**

Session 5: Generation of Transgenic Models 3



13h30-14h00. Pig models for preclinical therapies **H. Niemann, Institute of Farm Animal Genetics, Neustadt, Germany.**

14h00-14h30. Transgenic mosquitos. **T. Nolan, Imperial College, London, UK**

15h00-15h30: **Coffee Break**

Session 6: New technologies

16h00-16h30. Electroporation increases the efficiency of model creation. **T. Kaneko , Kyoto University, Kyoto, Japan.**

16h30-17h00. New CRISPRs and Cas9 tools. **C. Giovannangeli, Museum d’Histoire Naturelle, Paris, France.**

17h00. **End of meeting**

Chairman: I. Anegon

Local Scientific Correspondent: Séverine Ménoret

Local Organizing Committee: Séverine Rémy
Laurent Tesson
Tuan Huy Nguyen
Laurent David
Claire Usal
Laure-Hélène Ouisse
Lucas Brusselle

Secretary: Angelina.Jourdan@univ-nantes.fr

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