



COLLÈGE
DE FRANCE
—1530—

Colloque

Hommage à François Jacob

Mardi 15 septembre 2015

Amphithéâtre Marguerite de Navarre

*Organisé par Edith Heard, chaire Épigénétique et mémoire cellulaire
Nicole Le Douarin, chaire Embryologie cellulaire et moléculaire
Alain Prochiantz, chaire Processus morphogénétiques*

09h30 François Jacob, un visionnaire
Nicole LE DOUARIN
Professeur honoraire du Collège de France

10h00 From Operons to Metagenes
Denis DUBOULE, *University of Geneva and EPFL
Lausanne*

10h45 Break

11h15 Nuclear reprogramming by eggs
John GURDON, *University of Cambridge,
Wellcome Trust/CR UK Gurdon Institute*

12h00 Immune memory
Claude-Agnès REYNAUD, *Institut Necker - Enfants
Malades, Faculté de Médecine Paris Descartes*

12h30 Lunch

13h30 Film Interview François Jacob

14h30 CRISPR-Cas9: an ancient bacterial immune system
harnessed for genome engineering
Emmanuelle CHARPENTIER, *Helmutz Centre for
Infection Research, Braunschweig, Germany ;
The Laboratory for Molecular Infection Medicine
Sweden, Umea University, Sweden ; Hannover
Medical School, Germany*

15h15 Nucleolar positioning in mouse oocytes
Marie-Hélène VERLHAC, *Collège de France*

15h45 Regulating gene dosage and memorising gene
expression states: the X-inactivation paradigm
Edith Heard, *Collège de France et Institut Curie*

16h15 Break

16h30 Droplet-based microfluidics for digital biology;
from pre-biotic chemistry to ultrahigh-throughput
analysis of single molecules and cells
Andrew GRIFFITHS, *École Supérieure de Physique
Chimie Industrielle*

17h00 From allosteric interactions to the modulation of
higher brain functions
Jean-Pierre CHANGEUX, *Collège de France et
Institut Pasteur*

17h30 François Jacob's scientific legacy: a tool box and
idea box to study infectious diseases
Philippe SANSONETTI, *Collège de France et Institut
Pasteur*

18h00 Odile JACOB