



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 et  
Alain Prochiantz, chaire Processus morphogénétiques*

- 9h30** 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** Nuclear 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