

# Genomic Imprinting

Epigenetic control shows a remarkable degree of conservation at the molecular level between distantly related organisms.

The biological significance of epigenetic regulation has been clarified in a few cases, one being the regulation of gene expression according to parental origin, defined as parental genomic imprinting.

Imprinting has been identified in plants and mammals and has proven to bear a major impact on sexual reproduction with potential repercussion on crop yield and assisted reproduction techniques used in veterinary and medical practices.



Chua Ek Kay (2007)  
Back of Telok Ayer Street,  
Chinese ink and pigments on rice paper

## Scientific Organisers

### Marisa Bartolomei

Department of Cell & Developmental Biology  
University of Pennsylvania School of Medicine  
Philadelphia, USA

[bartolom@mail.med.upenn.edu](mailto:bartolom@mail.med.upenn.edu)

### Frédéric Berger

Temasek LifeSciences Laboratory  
1 Research Link, National University of Singapore  
Singapore

[fred@tll.org.sg](mailto:fred@tll.org.sg)  
<http://www.tll.org.sg>

### Robert Feil

Institute of Molecular Genetics  
CNRS, UMR-5535  
Montpellier, France

[robert.feil@igmm.cnrs.fr](mailto:robert.feil@igmm.cnrs.fr)  
<http://www.igmm.cnrs.fr>

## Venue

Temasek LifeSciences Laboratory  
Singapore



## Speakers

**Asifa Akhtar**  
Heidelberg, Germany

**Phil Avner**  
Paris, France

**Denise Barlow**  
Vienna, Austria

**Marisa Bartolomei**  
Philadelphia, USA

**Frédéric Berger**  
Singapore, Singapore

**Neil Brockdorff**  
Oxford, UK

**Luca Comai**  
Davis, USA

**Hugh Dickinson**  
Oxford, UK

**Christine Disteche**  
Seattle, USA

**Robert Feil**  
Montpellier, France

**Anne Ferguson-Smith**  
Cambridge, UK

**Robert Fischer**  
Berkeley, USA

**Clara Goday**  
Madrid, Spain

**Steve Henikoff**  
Seattle, USA

**Fumitoshi Ishino**  
Tokyo, Japan

**William Kelly**  
Atlanta, USA

**Gavin Kesley**  
Cambridge, UK

**Tetsu Kinoshita**  
Nara, Japan

**Claudia Köhler**  
Zürich, Switzerland

**Benjamin Loppin**  
Lyon, France

**Gudrun Moore**  
London, UK

**Rebecca Oakey**  
London, UK

**Jo Peters**  
Harwell, UK

**Marylin Renfree**  
Melbourne, Australia

**Wolf Reik**  
Cambridge, UK

**Hiroyuki Sasaki**  
Mishima, Japan

**Ruth Shemer**  
Jerusalem, Israel

**Azim Surani**  
Cambridge, UK

**Paul Vrana**  
Irvine, USA

**Lawrence Wilkinson**  
Cardiff, UK