



GENOMIC IMPRINTING, EPIGENETICS AND PHYSIOLOGICAL FUNCTIONS

Organizers

Valter Tucci

Anne C. Ferguson-Smith

Gavin Kelsey

Anthony Isles

Erice - October 2-7, 2016



Sunday October 2nd

Arrival Day

Arrival at Palermo or Trapani Airport.
Please communicate your travel details, group transfer will be provided to Centro Ettore Majorana.
Check-in and accommodation.

Monday October 3rd

08:00 - 09:00 **Registration**

09:00 - 09:10 **Welcome**

Valter Tucci, Anne Ferguson-Smith, Gavin Kelsey,
Anthony Isles

Session Chair: Anne C. Ferguson-Smith

09:10 - 09:55

[Marisa Bartolomei](#)

Epigenetic Regulation of Imprinted Gene Clusters

09:55 - 10:25

[Lisa Huelsmann](#)

Parental-origin-specific allelic bias: Is this imprinting?

10:25 - 11:00

Coffee break

11:00 - 11:45

[Hiroyuki Sasaki](#)

Roles for epigenetic regulator UHRF1 in imprint maintenance and preimplantation development.

11:45 - 12:15

[Beverly I Strassmann](#)

Genomewide Assessment of Loss of Imprinting in Human Placentas

12:15 - 13:00

[Gavin Kelsey](#)

Memory of epigenetic events in gametes

13:00 - 14:30

Lunch

Session Chair: Gavin Kelsey

- 15:00 - 15:45 [Nissim Benvenisty](#)
Haploid Human Parthenogenetic Embryonic Stem Cells
- 15:45 - 16:15 [Laurent Journot](#)
Genome-wide characterization of Plagl1/Zac1 target genes reveals its role as a regulator of extracellular matrix genes and the imprinted gene network
- 16:15 - 17:00 **Coffee break**
- 17:00 - 18:00 **Plenary Lecture 1**
[Anne C. Ferguson-Smith](#)
EMBO lecture - Introduced by Marisa Bartolomei
Regulation of genomic imprinting by ZFP57



Tuesday October 4th

Session Chair: Anthony Isles

- 09:00 - 09:45 [David Haig](#)
Early zygotic genome activation, genomic imprinting, and retroviruses. Why are mammals different?
- 09:45 - 10:15 [Robert Feil](#)
Developmental control of imprinting at the Dlk1-Dio3 domain
- 10:15 - 11:00 [Marika Charalambous](#)
Dlk1 - adiposity and pregnancy
- 11:00 - 11:30 **Coffee Break**
- 11:30 - 12:00 [Gráinne McNamara](#)
Maintaining social stability: the role of imprinted genes
- 12:00 - 12:45 [Anthony Isles](#)
Genomic imprinting in cognition and neuropsychiatric illness
- 13:00 - 14:30 **Lunch**
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Session Chair: David Haig

- 15:00 - 15:45 [Rosalind John](#)
Paternal manipulation of maternal care
- 15:45 - 16:15 [Déborah Bourc'his](#)
Transient imprinted transcription in the early embryo programs growth potential
- 16:15 - 17:00 **Coffee break**
- 17:00 - 18:00 **Plenary Lecture 2**
[Catherine Dulac](#)
Ecscher lecture - Introduced by Anthony Isles
Genomic Imprinting and Neural Circuits.



Wednesday October 5th

- 09:00 - 15:00 **Excursion to Temples of Segesta or Selinunte - TBA**
[entrance ticket to the archeological site not included]
- 16:00 - 19:00 **Poster Session**

Thursday October 6th

Session Chair: Valter Tucci

- 09:00 - 09:45 [Kim Moorwood](#)
A mother's Grb10 gene impacts on her offsprings' lifelong health
- 09:45 - 10:15 [Juliane Glaser](#)
Functional characterization of Zdbf2, a new growth - controlling imprinted gene
- 10:15 - 11:00 [Francoise Muscatelli](#)
Neuronal mechanisms in Prader-Willi syndrome
- 11:00 - 11:30 **Coffee break**

- 11:30 - 12:00 [Noriko Osumi](#)
Paternal aging-induced differential DNA methylation in sperm: possible transgenerational effects on gene expression and behavior
- 12:00 - 12:45 [Valter Tucci](#)
Genomic imprinting: a neurodevelopmental regulation of sleep
- 13:00 - 14:30 **Lunch**
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Session Chair: Francoise Muscatelli

- 15:00 - 15:45 [Jon Wilkins](#)
Genomic Imprinting and the Origins of Maladaptive Phenotypes
- 15:45 - 16:15 [Salah Azzi](#)
A new model of Zac1 loss-of-imprinting to investigate the pathophysiology of 6q42 TNDM
- 16:15 - 17:00 **Coffee break**
- 17:00 - 17:30 [Hisato Kobayashi](#)
DNA methylome analysis in mouse germ cells and early embryos
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Friday October 7th

Departure Day

Departure from Palermo or Trapani Airport.
Please communicate your travel details, free group transfer will be provided from Centro Ettore Majorana to airport.



