

FREE registration (obligatory)
For more information visit website www.unite.it/eraofart
Students of Biotechnology of Reproduction: 0.5 CFU credits

Scientific Committee

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European
Commission

Horizon 2020
European Union funding
for Research & Innovation

EPIGENETIC PENETRANCE OF REPRODUCTIVE TECHNOLOGIES

International meeting organized within the framework
of "H2020-Twinn-2015-GA No 692185" ERAofART
Epigenetic Risk Assessment of Assisted Reproductive Technologies

9-10 June 2016
University of Teramo
Campus Aurelio Saliceti



*This project has received funding from
the European Union's Horizon 2020
research and innovation programme
under grant agreement No 692185*



THURSDAY, 9 JUNE, 2016

8:30 Registration Open

9:00 Opening Remarks

Luciano D'Amico *Rector of University of Teramo*

Pier Augusto Scapolo *Dean of the Faculty of Veterinary Medicine*

Grazyna Ptak *Coordinator of the Project*

9:20 Welcome

Lino Loi *Experimental Embryology - University of Teramo*

Session I Chair: **Cesare Galli** *Avantea Laboratory of Reproductive Technologies - Cremona*
Paola Toschi *University of Teramo*

9:30 Epigenetic studies in early embryos:
lessons from the bovine model

Heiner Niemann *Institute of Farm Animal Genetics (Germany)*

10:15 One-carbon metabolism: linking nutritional biochemistry
to epigenetic programming of long-term development

Kevin Sinclair *Developmental Biology*

School of Biosciences - University of Nottingham (United Kingdom)

11:00 Coffee break

11:30 ART in a mouse model system:
placental development and epigenetic regulation

Marisa Bartolomei *Department of Cell and Developmental Biology*

University of Pennsylvania (USA)

12:15 Epigenetic effects of assisted reproductive technologies
on germ cells, resulting embryos and offspring

Thomas Haaf *Institute of Human Genetics - Julius Maximilians University (Germany)*

13:00 Artificial oocyte production from pluripotent stem cells in mice

Katsuhiko Hayashi *Department of Stem Cell Biology of Medicine*

Kyushu University (Japan)

13:45 Lunch

14:45 Enjoy coffee with the speakers

*The contents of this conference
are the sole responsibility
of the University of Teramo
and do not necessarily reflect
the opinion of the European Union*

FRIDAY, 10 JUNE, 2016

8:30 Registration Open

Session II Chair: **Jacek Modlinski** *IGAB-PAS (Poland)*
Marta Czernik *University of Teramo*

9:00 Nuclear transfer for the study
of developmental epigenetic

Atsuo Ogura *Riken Bioresource Center (Japan)*

9:45 Production of offspring
from cells derived from carcass or cast off material

Teruhiko Wakayama *Faculty of Life and Environmental Science*

University of Yamanashi (Japan)

10:30 Coffee break

11:00 Sperm is epigenetically programmed
to regulate gene transcription in embryos

Jerome Jullien *The Gurdon Institute - University of Cambridge (UK)*

11:45 The Impact of Sperm Epigenome in Reproduction:
the Known and the Unknown

Undraga Schagdarsurengin *Epigenetics in Urological Diseases
and in Reproductive Biology - Clinic of Urology (Germany)*

12:30 Epigenetic programming and reprogramming during development

Domenico Iuso *University of Teramo - Riken Bioresource Center (Japan)*

13:15 Lunch

14:15 Enjoy coffee with the speakers