

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

#### Scientific Committee

Pasqualino Loi - Marta Czernik

Paola Toschi - Debora Anzalone - Luca Palazzese

#### Contact person

[mczernik@unite.it](mailto:mczernik@unite.it) - +39 0861 266847



UNIVERSITÀ  
DEGLI STUDI  
DI TERAMO



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*

genHome



## 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**