

GENERA AND BIOROMA SYMPOSIUM 2015



THE NEW ERA OF PGS APPLICATION IN ART



13–14 February 2015 Rome

*Roma Eventi – Piazza di Spagna
Via Alibert, 5*





WELCOME TO ALL

This GENERA and Bioroma Symposium is aimed at providing clinicians, embryologist and basic scientists an opportunity to focus on and discuss some of the most attractive and innovative advances in the field of preimplantation genetics applied to reproductive medicine. Recently, several new features about the genesis of chromosome aneuploidies in human gametes and preimplantation embryos have been unravelled. Along with the development of new genetic testing methods, this knowledge has been extensively used in the last few years to design optimal approaches for aneuploidy screening in IVF cycles to improve clinical outcomes. A thorough description and analysis of the current and forthcoming tools of embryo developmental competence evaluation will be

provided in the meeting. Preclinical and clinical evidences of their effectiveness are of pivotal importance and will be the core of the dissertations. We look forward to a scientific debate, a consensus on the great potential that technological advances in preimplantation genetics have to fill the lack of knowledge on the variables influencing embryo implantation. At the end of the works, participants will have a better appreciation of the possibilities in developing and using novel methodologies and forms of infertility treatment thanks to knowledge gained from basic and clinical science. This meeting will introduce approaches and technologies that can be used to improve ART outcomes and will be supported by lively discussion and debate.

SPEAKERS AND CHAIRMEN

Paola Anserini
Andrea Borini
Francesco Brancati
Antonio Capalbo
Mauro Costa
Giovanni Coticchio
Carlo Foresta
Andrea Garolla
GianLuca Gennarelli
Ermanno Greco
Antonino Guglielmino
Maurizio Guido

Alan Handyside
Eva Hoffman
Dusko Ilic
Yakoub Khalaf
Andrea Lenzi
Zsolt Peter Nagy
Roberto Palermo
Lodovico Parmegiani
Rocco Rago
Laura Rienzi
Carmen Rubio
Giulia Scaravelli

Mauro Schimberni
Richard Scott
Paolo Emanuele Levi Setti
Carlos Simon
Danilo Francesco Tiziano
Nathan Treff
Filippo Maria Ubaldi
Walter Veggetti
Willem Verpoest
Maurizio Zuccotti
Fulvio Zullo



FRIDAY 13TH

9:00
10:00 Registration

10:00
10:30 Scientific Organisers' welcome and introduction

OPENING LECTURE

Chairman: Andrea Lenzi, Roberto Palermo

10:30
11:00 The history and future of preimplantation genetics
Alan Handyside

GENESIS AND EVOLUTION OF ANEUPLOIDIES IN THE PRE-IMPLANTATION PERIOD

SESSION 1

Chairman: Giovanni Coticchio, Carmen Rubio

11:00
11:30 Oogenesis and aneuploidies
Eva Hoffman

11:30
12:00 Spermatogenesis and aneuploidies
Andrea Garolla

12:00
12:30 Post-zygotic derived aneuploidies and the best stage to assess
aneuploidies in the preimplantation window
Nathan Treff

RECAP AND DISCUSSION (30')



13:00-14:30 LUNCH

DIAGNOSIS OF ANEUPLOIDIES

SESSION 2



PRE-IMPLANTATION PERIOD

Chairman: Andrea Borini, Yakoub Khalaf

**14:30
15:00**

Identification of the candidate population of patients for PGS *Mauro Schimberni*

**15:00
15:30**

Embryo selection for biopsy, morphological quality and developmental stage *Laura Rienzi*

**15:30
16:00**

Contemporary and emerging technologies for comprehensive chromosome screening of preimplantation embryos *Nathan Treff*

**16:00
16:30**

Level of evidence of PGS application in ART today *Richard Scott*

16.30-17.00 COFFEE BREAK

POST-IMPLANTATION PERIOD

Chairman: Francesco Brancati, Antonio Capalbo

**17:00
17:30**

Non invasive prenatal testing: technological aspects and indication *Danilo Francesco Tiziano*

RECAP AND CLOSING WORK OF THE DAY (30')



SATURDAY 14TH

BEYOND EUPLOIDY

SESSION 3

Chairman: Lodovico Parmegiani, Willem Verpoest

9:00
9:30 Non-invasive embryo assessment
Zsolt Peter Nagy

9:30
10:00 MiRNAs analysis from blastocysts spent culture media
Antonio Capalbo

10:00
10:30 Clinical management of PGS cycles
Filippo Maria Ubaldi

10:30
11:00 Endometrial receptivity evaluation
Carlos Simon

DISCUSSION (30')

11:30-12:00 COFFEE BREAK

CLOSING LECTURE

Chairman: Maurizio Zuccotti, Paolo Emanuele Levi Setti

12:00
12:30 Possibilities and future application of stem cell in ART
Dusko Ilic

12:30
13:30

ROUND TABLE

PGD/PGS practice in Italy from national survey

Paola Anserini, Mauro Costa, Carlo Foresta, GianLuca Gennarelli, Ermanno Greco, Nino Guglielmino, Maurizio Guido, Rocco Rago, Giulia Scaravelli, Filippo Maria Ubaldi, Walter Veggetti, Fulvio Zullo.

END OF THE CONFERENCE AND CLOSING LUNCH

PRACTICAL SESSIONS (IN PARALLEL)

15:00
19:00

ART TECHNOLOGIES NECESSARY FOR THE INTRODUCTION OF PGS

Clinical management: case studies PGD/PGS.

Silvia Colamaria, Enrica Gravotta

Embryo assessment up to blastocyst stage:

video session on blastocyst formation

Roberta Maggiulli, Stefania Romano

Cryopreservation: hands-on session on vitrification

Ludovica Dusi, Catello Scarica

Embryo biopsy at blastocyst stage:

video session on trophoctoderm biopsy

Antonio Capalbo, Danilo Ciamadomo



THE NEW ERA OF PGS APPLICATION IN ART

REGISTRATION FORM

Last name

First name

Profession

Institute

Unit

Personal address

City Zip/post code

State/Province

Fiscal code

Telephone number Fax number

E-mail address

REGISTRATION FEE:

€ 200 Until 31th december 2014

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All the amount are VAT included

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PRATICAL SESSIONS:

Please indicate the practical session you would like to join:

Clinical management: case studies PGD/PGS.

Embryo assessment up to blastocyst stage: video session on blastocyst formation

Cryopreservation: hands-on session on vitrification (only 20 places)

Embryo biopsy at blastocyst stage: video session on trofoectoderm biopsy

ACCOMODATION, PLEASE CONTACT:

P.R. e Communication S.r.l.

Vocabolo Cugnetto snc – 02046 Magliano Sabina (RI) – Tel. 0744/919581 – Fax 0744/921501 – Mail: info@precommunication.com

ECM CREDIT:

SYMPOSIUM

N° 4 ECM credits for Medical specialist in Gynaecology and Obstetrics, Endocrinology, medical genetics, psychologists, biologists, Biomedical Health Laboratory Technicians (BHLT)

PRATICAL SESSIONS

N° 6 ECM credits for Medical specialist in Gynaecology and Obstetrics, Endocrinology, medical genetics, psychologists, biologists, Biomedical Health Laboratory Technicians (BHLT)

Please send your registration form to: **P.R. e Communication S.r.l.** Fax. 0744/921501 or Mail: info@precommunication.com





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SCIENTIFIC SECRETARIAT

Filippo Maria Ubaldi
Laura Rienzi
Antonio Capalbo
Anna Lise Giallonardo
Mauro Schimberni

OGANIZING SECRETARIAT

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