



Organised by the ESHRE Special Interest Group
"Reproductive Genetics"

Basic Genetics for ART Practitioners

ESHRE Campus 2010
Porto Portugal, 16 April 2010

ESHRE Campus workshop

Basic Genetics for ART Practitioners

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ESHRE'S PREMIUM CORPORATE MEMBERS

Labotect GmbH – Germany

Schering-Plough Global Meetings and Conventions – U.S.A

COURSE DESCRIPTION

Course description

- Basic cytogenetics
- Basics of monogenic inheritance
- Genetics technologies used in PGD
- Microarray technology in PGD
- Genetic causes of male and female infertility
- Clinical epigenetics and its relation to ART
- Organization of a PGD centre
- Genetic counselling in PGD

Course objectives

At the conclusion of this course, the participants should be able to:

- Know the difference between chromosomal and DNA-based genetic diseases, as well as the different technologies to detect them
- Known the basic genetic technology used in PGD
- Know techniques used and aims in genetic counselling
- Know the principle of microarray technology
- Recognise the link between genetics and male/female infertility and the implications in ART
- Know how to organize a PGD centre

Target audience

Mainly professionals working in ART who are not geneticists:

- Medics: gynaecologists, andrologists, clinical biologists
- Paramedics: embryologists, nurses, lab technicians, interested psychologists

FACULTY & ORGANISATION

Organising Committee *Alberto Barros* (Portugal)
Filipa Carvalho (Portugal)

Faculty *Alberto Barros* (Portugal)
Carlos Calhaz Jorge (Portugal)
Filipa Carvalho (Portugal)
Sergio Castedo (Portugal)
Martine De Rycke (Belgium)
Sofia Dória (Portugal)
Susana Fernandes (Portugal)
Joyce Harper (United Kingdom)
João Paulo Oliveira (Portugal)
Thierry Voet (Belgium)

Organising secretariat

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Scientific secretariat

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GENERAL INFORMATION

Venue Centro de Cultura e Congressos
Ordem dos Médicos
Rua Delfim Maia 405
4200-256 Porto
Portugal

Language The official language of the course is English.

About Porto For more information about Porto see
[http:// www.portugalvirtual.pt/_tourism/costaverde/porto/index.html](http://www.portugalvirtual.pt/_tourism/costaverde/porto/index.html)

How to get there

By air Francisco Sá Carneiro Airport is located 20 Km from the centre of the city (see URL <http://www.ana.pt/portal/page/portal/ANA/>). Besides taxicabs (approximately 20 euros), metro is available every 20 minutes (line E direction Estádio do Dragão, then change to line D at Trindade station, direction Hospital S. João, and stop at “Polo Universitário”)

By train Railway Campanhã Station. Metro is available every 10 minutes (line D, direction Hospital S. João, stop at “Polo Universitário”)

By car Access plan to Centro de Cultura e Congressos: <http://maps.google.com/maps> (Rua Delfim Maia, 405, Porto).

Hotel accommodation A local housing agency has been appointed to handle all hotel accommodation:
Centro de Cultura e Congressos
Mr. Miguel Rodrigues or Ms. Fátima Antão
Ordem dos Médicos
Rua Delfim Maia 405
4200-256 Porto
Portugal
Tel.: +351-225070100
Fax: +351-225070199
E-mail: centroculturacongressos@nortemedico.pt

REGISTRATION

Registrations are only possible online. Please visit our website www.eshre.com, click 'Calendar' and then go to the pages of the "Basic genetics for ART practitioners" course.

Registrations are limited to 100 participants. For availability of places, please check the ESHRE Calendar on <http://www.eshre.com/page.aspx/6>. The following fees apply:

1. Members of ESHRE = 100 Euro
2. Non-members of ESHRE = 200 Euro

* "Student" applies to undergraduate medical students, residents, fellows and post-doctoral research trainees. A letter from the head of the department proving the participant's student status must accompany each student registration.

PLEASE NOTE! The preferred methods of payment are either by bank transfer or credit card. Cheques and bank drafts will not be accepted.

Registration fees
1, 2, 3, and 4 include:

- Attendance to all sessions
- Symposium syllabus
- Lunch
- Coffee breaks
- Certificate of attendance

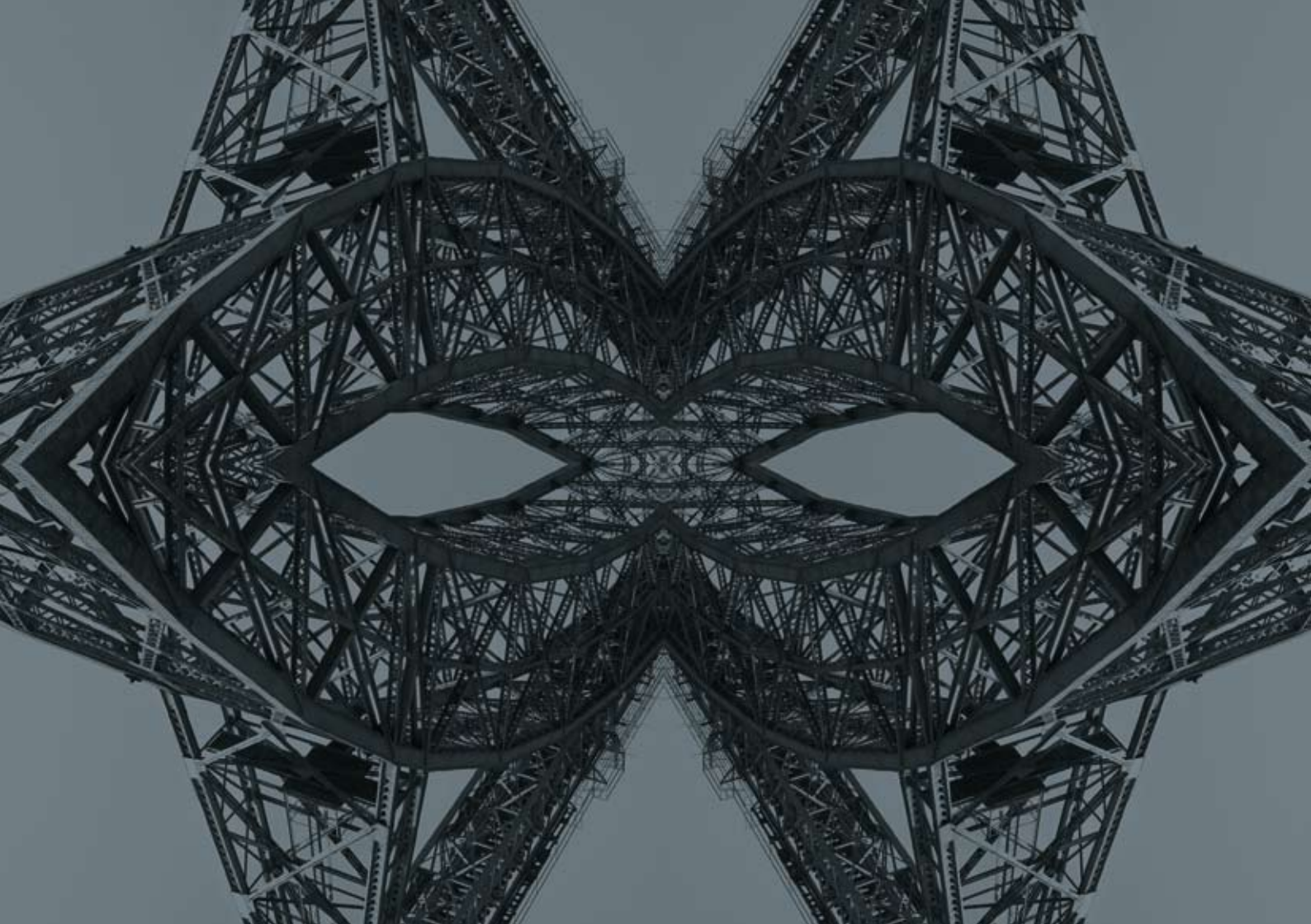
Cancellation
policy

All cancellations should be made in writing. An administrative fee of 25 Euro will be charged for all cancellations. Cancellations received after 25 March 2010 will not be refunded.

PROGRAMME – 16 APRIL 2010

- 08:00 – 09:00 Registrations
- 09:00 – 09:15 Introduction – *A. Barros (Portugal)*
- 09:15 – 09:45 Basic cytogenetics – *S. Dória (Portugal)*
- 09:45 – 10:15 Basics of heredity – *J.P. Oliveira (Portugal)*
- 10:15 – 10:30 Discussion
- 10:30 – 11:00 Coffee break
- 11:00 – 11:30 Genetics technologies used in PGD – *Filipa Carvalho (Portugal)*
- 11:30 – 12:00 Microarray technology in PGD – *Thierry Voet (Belgium)*
- 12:00 – 12:30 Genetic causes of male and female infertility – *S. Fernandes (Portugal)*
- 12:30 – 12:45 Discussion
- 12:45 – 14:00 Lunch
- 14:00 – 14:30 Clinical epigenetics and its relation to ART – *Martine De Rycke (Belgium)*
- 14:30 – 15:00 Organization of a PGD centre – *Joyce Harper (United Kingdom)*
- 15:00 – 15:30 Genetic counselling in PGD – *S. Castedo (Portugal)*
- 15:30 – 16:00 Concluding remarks and discussion – *Carlos Calhaz Jorge (Portugal)*







Find out more about ESHRE at

www.eshre.com