

**RI**

in association with

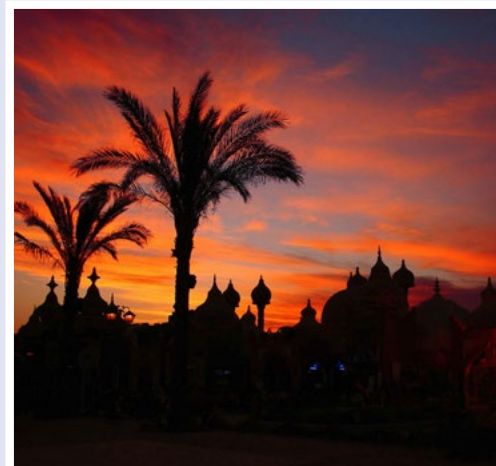
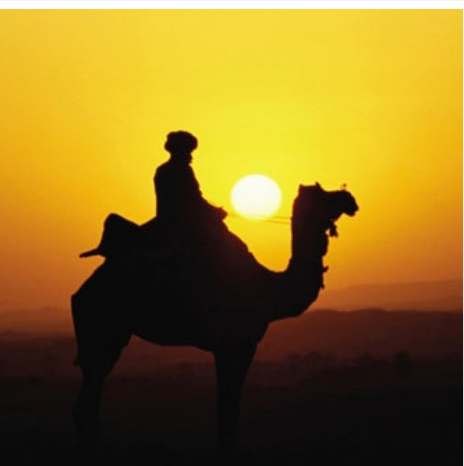
**illumina<sup>®</sup>**

**KITAZATO** | Dibimed

**EIO**

**HANDS-ON WORKSHOP AND SEMINAR**  
**SHARM EL SHEIKH, EGYPT**  
13th & 14th December 2014

**#YouMakeLife**



**RI**

**You make life**  
**We make life easier**

Research Instruments Ltd (RI) in association with Illumina, Kitazato | Dibimed and EIO would like to invite you to a 2 day seminar incorporating hands on training workshops that will explore the latest hot topics – embryo biopsy, cell handling, vitrification, implementing new technologies and techniques into a lab, genetic analysis of samples and more.

With 8 lecture sessions, 4 hands-on sessions and a round table discussion held over 2 days, this seminar and hands on workshop will provide you with a comprehensive knowledge and understanding of the ever changing fields of PGD, biopsies, cell handling, vitrification of embryos and crucially how to implement new technologies and techniques into an IVF clinic - essential for any progressive IVF professional.

Whether you are actively seeking new ideas, need advice on techniques, procedures or protocols, just want to soak in some of the knowledge on show, or refine your skills, we're confident it'll be a valuable two days. The two days will combine lectures and demonstrations and the opportunity to practise procedures supported by the guidance of experts in the afternoon. Also included is an invitation to the gala dinner on Saturday 13<sup>th</sup> December.

## TOPICS

- Overview of biopsy techniques including dish set up and clinical considerations
- Implementing new technologies and a guide to validating any new techniques and technologies
- Vitrification of blastocysts
- Optimising sperm preparation and selection
- Non-invasive methods of selection of the best embryos to transfer (including time-lapse imaging and metabolomics)
- Difficult biopsy case studies
- Logistics of setting up or expanding a PGD/PGS Programme
- New solutions for embryo testing

## LANGUAGE

The official language of the seminar and workshop is English. If you have any queries please contact the marketing department at [marketing@research-instruments.com](mailto:marketing@research-instruments.com) or call +44 (0) 1326 372753.

## PRACTICAL SESSIONS

Practical sessions will include:

- Polar body, day 3 and trophectoderm biopsy
- Cell handling post biopsy
- Sample diagnosis 1 to 1 discussions
- Vitrification
- Witnessing/ ID of samples
- Sperm analysis

## WHO SHOULD ATTEND?

- Senior Embryologists
- Laboratory Managers
- Geneticists
- Clinicians
- Specialists in fertility treatment

# SPEAKER PROGRAMME



## **Optimising sperm preparation and selection**

### **Stephen Harbottle**

Consultant Embryologist and Person Responsible, Cambridge IVF, UK



## **New solutions for embryo testing**

### **Alan Thornhill**

Market Development, Illumina, UK



## **Overview of biopsy techniques including dish set up and clinical considerations**

### **Difficult biopsy case studies**

### **Tracey Griffiths**

Clinical Scientist, Oxford Fertility Unit, UK



## **Non-invasive methods of selection of the best embryos to transfer (including time-lapse imaging and metabolomics)**

### **Thorir Hardarson**

Scientific Director, IVF Sweden, Sweden

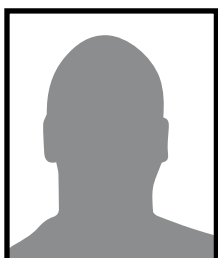


## **Implementing new technologies and the importance of validating any new techniques and technologies**

### **Logistics of setting up or expanding a PGD/PGS programme**

### **Ronny Janssens**

Quality Manager, Centre for Reproductive Medicine at UZB, Belgium



## **Vitrification of blastocysts**

### **Speaker TBC**

Kitizato - Dibimed

# SPEAKER PROFILES



## **Stephen Harbottle**

Consultant Embryologist and Person Responsible, Cambridge IVF, UK

Stephen graduated with honours in Applied Biology in 1994 and took up a Trainee Embryologist post at the University of Bristol under the supervision of Barbara Ray. In 2002 he joined the team at Newcastle Fertility Centre at Life as Andrology Laboratory Manager and Senior Embryologist. In 2009 he joined the team at Cambridge IVF as Lead Embryologist and Quality Manager. In this role he designed and oversaw the build of the Cambridge IVF facility which was completed in March 2011 and is regarded as a very good example of laboratory design. Stephen took the role of Consultant Embryologist and Person Responsible for Cambridge IVF in November 2014. He is the current Chair of the Association of Clinical Embryologists and the Association of Biomedical Andrologists. He continues to be involved in authorship of national best practice guidelines and quality standards and the inspection and accreditation of andrology laboratories for NICE and UKAS. Stephen's current research interests involve clinical applications of ultra high power microscopy and sperm selection for the treatment of male factor infertility.



## **Alan Thornhill, PhD**

Market Development, Illumina, UK

Dr Thornhill received his PhD in Genetics from University College London in 1996 and has been an IVF Laboratory or Scientific Director since 1999, working in the USA (Mayo Clinic) and the UK (Guy's Hospital, The Bridge Centre and London Fertility Centre) specialising in Preimplantation Genetics. He recently joined the market development team at BlueGnome – an Illumina company. He is an Honorary Reader in Reproductive Genetics at the University of Kent and has served as Deputy Chair of the ESHRE Preimplantation Genetic Diagnosis (PGD) Consortium and Chair of Alpha, Scientists in Reproductive Medicine. Since 2009, Dr Thornhill has been a Professional Member of the Human Fertilisation and Embryology Authority, the body that regulates and licenses all IVF centres in the UK, and a member of the Expert Registry (IVF devices) for the UK Medicines & Healthcare Products Regulatory Agency (MHRA). His research interests focus on reproductive genetics, preimplantation genetic diagnosis (PGD) and improving IVF outcomes. He has over 50 peer-reviewed articles, speaks regularly to schools, lay audiences, national and international conferences and contributes to both print and broadcast media.



## **Tracey Griffiths**

Senior Clinical Scientist, Oxford Fertility Unit, UK

Tracey graduated with honours in Applied Biology in 1990 whilst working as a senior laboratory scientist in the field of reproductive toxicology. She was then employed by the Medical Research Council to work on a project looking at myeloid leukaemia and osteosarcoma caused by exposure to radium and the influence that protracting the dose caused to the induction of the leukaemia. The study, concentrating on looking at exposure of the father and how it affected the health of the offspring, ignited her interest in PGS/PGD. In 1993 Tracey joined the team at Newcastle Fertility Unit as a trainee embryologist, working her way up to senior embryologist responsible for the initiation and day-to-day running of the clinical biopsy service. Tracey has been an HFEA licensed ICSI operator since 1995 and a PGD Biopsy license holder since 2001, travelling to the USA in 2009 to train with Jacques Cohen's team in New Jersey studying all aspects of blastocyst biopsy. Tracey joined Oxford Fertility Unit in 2008 and is now responsible for overseeing and performing all aspects of embryo biopsy/ micromanipulation and the training/supervision of staff. Tracey also lectures and performs practical training in micromanipulation & embryo biopsy to Students on Oxford University MSc Course in Clinical Embryology and at training courses & symposiums around Europe.

# SPEAKER PROFILES



## **Thorir Hardarson**

Scientific Director, IVF Sweden, Sweden

Thorir Hardarson is the Laboratory Director at Fertilitetscentrum, Gothenburg and the Scientific Director for IVF Sverige, Sweden. He received his training at the University of Iceland where he attained a BSc in biology and an MSc degree in physiology. Moving to Sweden in 1997 he did PhD at Gothenburg University on human embryology. During the research for his PhD he became one of the pioneers in the use of time-lapse technology to study the dynamic development of embryos. His research interests have focused on new methods of identifying the best embryo to transfer, ranging from static and dynamic (time-lapse) morphological evaluation as well as metabolomics and PGS. He is a member of the ALPHA executive committee since 2012. Thorir Hardarson has published over 50 scientific papers, book chapters and abstracts on embryology and human IVF. He is a reviewer of RBM Online and Human Reproduction.



## **Ronny Janssens**

Quality Manager, Centre for Reproductive Medicine at UZB, Belgium

Ronny Janssens, born in Belgium graduated from the Stedelijk Instituut voor Technisch Onderwijs in Mechelen in 1978 with a degree in clinical chemistry. He started his career at the Radio Immuno Assay laboratory at the Universitair Ziekenhuis Brussels in 1979. He joined the team of Prof. André Van Steirteghem and Prof. Paul Devroey as an embryologist in 1983. Since then he has been involved in the start-up and development of the IVF laboratory at the centre for Reproductive Medicine. Ronny Janssens is currently the Quality Manager of the Centre for Reproductive Medicine of the Universitair Ziekenhuis Brussel where he was responsible for the implementation of a quality system and accreditation according to ISO 17025 and later ISO15189. He has been an ESHRE member since 1985 and cofounder of the paramedical group within ESHRE. For several years he consulted in installation and functioning of several embryology laboratories worldwide. He has been an invited speaker in numerous international and national workshops and conferences.

# PROPOSED WORKSHOP SCHEDULE

Saturday 13<sup>th</sup> - Sunday 14<sup>th</sup> December 2014

The Savoy Hotel, Sharm El Sheikh, Egypt

Day 1 - Saturday 13 <sup>th</sup> December		
Time	Programme	Speaker
9.00	Welcome, introduction to the workshop and aims of the workshop	Sally Lloyd
9.05	Implementing new technologies and the importance of validating any new techniques and technologies	Ronny Janssens
10.00	Overview of biopsy techniques including dish set up and clinical considerations	Tracey Griffiths
10.45	Coffee Break	
11.15	Vitrification of blastocysts	Kitazato - Dibimed
11.45	Introduction to the equipment to be used in the workshop - All participating companies	
11.50	Practical hands on Session 1 - 4 x biopsy workstations, 2 x vitrification workstations, Array CGH workstation	
13.30	Lunch Break	
14.30	New solutions for embryo testing	Alan Thornhill
15.00	Practical hands on session 2 - 4 x biopsy workstations, 2 x vitrification workstations, Array CGH workstation	
17.00	Round table discussion	
17.30	Close	
19.30	Gala Dinner	

Day 2 - Sunday 14 <sup>th</sup> December		
Time	Programme	Speaker
9.00	Optimising sperm preparation and selection	Stephen Harbottle
9.45	Non-invasive methods of selection of the best embryos to transfer (including time-lapse imaging and metabolomics)	Thorir Hardarson
10.30	Coffee Break	
10.45	Difficult biopsy case studies	Tracey Griffiths
11.15	Practical hands on session 3 - 2 x biopsy workstations, 2 x IMSI workstations, 2 x vitrification workstations, Array CGH workstation	
13.00	Lunch Break	
14.00	Logistics of setting up or expanding a PGD/PGS Programme	Ronny Janssens
14.30	Practical hands on Session 4 - 2 x biopsy workstations, 2 x IMSI workstations, 2 x vitrification workstations, Array CGH workstation	
16.30	Final Q & A with tutors and presentation of certificates	
17.00	Close	

## COSTS

It costs £800 per person to attend this 2 day workshop. There are a limited number of early bird tickets available at the reduced cost of £680 per person (15% saving).

**Please note:** The cost of this workshop does not include transport or accommodation. The Savoy Hotel is offering delegates the preferential rate of \$80 for a single room per night for bed and breakfast. Please contact reservations at the Savoy Hotel stating you will be attending this workshop.

You must book before October 20<sup>th</sup> in order to receive the reduced rates.

Registering your interest to attend the Hands-On Workshop and Seminar to be held at Sharm El Sheikh (13-14<sup>th</sup> December) will allow Research Instruments to contact you with more information and booking details. Registering your interest does not guarantee your place on the workshop. Travel and accommodation arrangements should only be made once a place has been confirmed by the organisers.

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