

Organised by

**Eart**

Embryology Academy for Research & Training

Sponsored by

**Shivani**  
SCIENTIFIC  
*Enabling life through technology*



Date: 21<sup>st</sup> March to 24<sup>th</sup> March 2016

Turning  
**IVF Ratio**  
in favor of  
**Success**  
by PGD / PGS

Includes all technologies of PGD / PGS

**FISH | CGH array | NGS | Multiplexing**



Organised by



Embryology Academy for Research & Training

The Embryology Academy for Research and Training is a world leader in training and education in human assisted reproduction and embryology since last 10 years. The goal of this academy is to empower reproductive professionals by giving real clinical embryology laboratory experience in its state of the art facilities. EART facilities are equipped with the most modern equipments and wet laboratories. Training is offered by a team of embryology professionals with expertise in the fast moving field of assisted human reproduction. Since its inception, EART has trained over 450 candidates in clinical embryology from over 24 countries.

# EMBRYOLOGY & PGD ACADEMY, UK

**Embryology and PGD Academy** has been established by **Professor Joyce Harper** and **Dr. Alpesh Doshi** who have been **leaders** in the field of education of **IVF and PGD** for over 20 years. Their aim is to educate and give **hands-on training** in the laboratory aspects of **Clinical Embryology** and **Preimplantation Genetic Diagnosis** and to help establish new IVF, biopsy and PGD labs. The team have been organizing hands on PGD workshops **since 1996**, initially at the Hammersmith Hospital and then at University College London, as part of UCL Centre for PGD. The UK workshops are awarded continued professional development points from the Royal College of Pathologists. Prof. Joyce and Dr. Alpesh also organize workshops in other countries. Embryology and PGD Academy currently runs four types of workshops which provide for all your educational needs, from basic to advanced training.

Under the auspices of







# Renowned Faculties



**Alpesh Doshi**  
UK



**Joyce Harper**  
UK



**Seema Dhanjal**  
UK



**Dr. Kersi Avari**  
India



**Dr. Kshitiz Murdia**  
India



**Nitiz Murdia**  
India



**Vijayakumar C. N.**  
ACE



**Dr. Paritosh Shekhar**  
India



**Dr. Sailesh Gochhait**  
Thermo Fisher



**Dr. Ricky Lim**  
Perkin Elmer



**Dr. Vijay Mangoli**  
ISAR

## INDIRA IVF

**Indira IVF Centre** is the **pioneer** in providing affordable yet credible infertility curation to the common people for the first time in India. It is armed with the **state-of-the-art infrastructure**, advanced equipments and a **pool of renowned physicians**. They started with a two room clinic back in 1988 and today they stand tall as one of the **most esteemed and prestigious IVF service providers** in the country and beyond. We are deeply committed to provide all the primary and ancillary services related to your treatment under the same roof because we understand the significance of a concerted, meticulous and well-oiled network for your pregnancy success.

**INDIRA IVF**  
One Name, Many Destinations, Million Possibilities



# EMPOWERING EXCELLENCE IN EMBRYOLOGY

Date : 21<sup>st</sup> March to 24<sup>th</sup> March, 2016 | At New Delhi, India

## Enamouring the World through PGD

Date : 21<sup>st</sup> to 24<sup>th</sup> March 2016, New Delhi

Chief Coordinators : Dr. Kersi Avari & Dr. Paritosh Shekhar

### Day 1 | Date: 21<sup>st</sup> March, 2016

Time	Lecture / Demonstration / Practice Session	Faculty
09.00 - 09.45 AM	Registrations	
09.45 - 10.00 AM	Welcome address and Introduction to EPA/ EART	Kersi Avari & Joyce Harper
10.00 - 11.00 AM	Preimplantation development and Genetics	Joyce Harper
11.00 - 11.30 AM	Tea / Coffee Break	
11.30 - 12.30 PM	Introduction to PGD	Joyce Harper
12.30 - 13.30 PM	Embryo biopsy for PGD/PGS	Alpesh Doshi
13.30 - 14.30 PM	Lunch Break	
14.30 - 17.30 PM	Live Demo for polar body, cleavage stage blastocyst biopsy	Alpesh Doshi

### Day 2 | Date: 22<sup>nd</sup> March, 2016

Time	Lecture / Demonstration / Practice Session	Faculty
09.30 - 10.30 AM	Indications for PGD and Counselling	Joyce Harper, Seema Dhanjal
10.03 - 11.00 AM	Is there a role for FISH in PGD in the era of Microarrays?	Harita Ghevaria
11.00 - 11.30 AM	Tea / Coffee Break	
11.30 - 12.30 PM	Quality management and Quality Assurance in a PGD laboratory	Seema Dhanjal
12.30 - 13.30 PM	ISAR Representation	Vijay Mangoli
13.30 - 14.30 PM	Lunch Break	
14.30 - 17.30 PM	Practical Session Perkin Elmer	Ricky Lim

### Day 3 | Date: 23<sup>rd</sup> March, 2016

Time	Lecture / Demonstration / Practice Session	Faculty
09.30 - 10.30 AM	Optimising the embryology laboratory to cater for PGD/PGS	Alpesh Doshi
10.03 - 11.30 AM	Molecular Diagnosis in PGD- A focus on Karyomapping	Seema Dhanjal
11.30 - 12.00 AM	Tea / Coffee Break	
12.00 - 13.00 PM	ACE Representation	Vijayakumar C.N.
13.00 - 14.00 PM	Lunch Break	
14.00 - 17.30 PM	Practical Session by Thermo Fisher - NGS	Sailesh Gochhait

### Day 4 | Date: 24<sup>th</sup> March, 2016

Time	Lecture / Demonstration / Practice Session	Faculty
09.30 - 10.30 AM	The future of PGD and Ethical concerns	Joyce Harper
10.03 - 11.00 AM	Processing cells for Genetic analysis- Tubing/ Spreading	Seema Dhanjal
11.00 - 11.30 AM	Tea / Coffee Break	
11.30 - 12.00 PM	The PGD diagnostic laboratory - Measuring risk and Liability	Seema Dhanjal
12.00 - 13.00 PM	Q and A's and interactive sessions with all speakers	Joyce Harper, Alpesh Doshi, Harita Ghevaria
13.00 - 14.00 PM	Lunch Break	
14.00 - 14.20 PM	Evolution of Technology in PGD: Past, Present & Future	Paritosh Shekhar
14.20 - 14.40 PM	Social & Regulatory Challenges for PGD in India	Kshtiz Murdia
14.40 - 16.40 PM	Discussing real time PGD cases/ Results/ outcomes. Case studies	Seema Dhanjal, Harita Ghevaria Joyce Harper, Alpesh Doshi
17.00 - 18.00 PM	Felicitations and presentation of certificates	



## PGD / PGS

Preimplantation Genetic Diagnosis (PGD) has revolutionized embryo selection by investigating the chromosomal condition of embryos prior to implantation. PGD involves Whole Genome Amplification (WGA) of isolated genetic components from biopsied embryonic cells/ fragments followed by genetic analysis using novel techniques like FISH, array CGH or Next Generation Sequencing (NGS). PGD has widespread applications in cases pertaining to monogenic disorders (like cystic fibrosis,  $\beta$  – thalassemia, spinal muscular atrophy, etc.), embryo quality, aneuploidy and HLA matching. PGD has thus enhanced embryo selection techniques, ultimately increasing the chances of a successful pregnancy and reducing the stress of bearing genetically challenged children in the lives of hopeful couples undergoing ART procedures.



## EART - India's World Class Training Centre

EART with more than 8 years of experience in ART Training and with endorsement from Embryology & PGD Academy, London, UK. has recently set up most modern State of the ART Training Centre with 5000 sq.ft area with 10 ICSI Stations and 45 technologies on display.



**EART Reception**



**Corridor with Notice Board**



**Andrology & Cryo Lab**



**ICSI Stations**



**Embryology Training Lab**



**Embryology Lab with Multiple ICSI Stations**



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Targeted sequencing has  
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HUMAN HEALTH | ENVIRONMENTAL HEALTH

COUNTING  
CHROMOSOMES  
EASY AS...



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KaryoLite BoBs™ is a well-accepted technique and solution for Pre-implantation Genetic Screening with following features:

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- Simultaneous Processing of up to 92 samples.
- Fast and Easy analysis with BACs-on-Beads™ Technology.

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# Registration Form



**Empowering  
Excellence in  
Embryology**

First Name	:	<input type="text"/>	Last Name	:	<input type="text"/>	
Gender	:	<input type="radio"/> Male	<input type="radio"/> Female	Date of Birth	:	<input type="text"/>
Area of Work	:	<input type="radio"/> Doctor	<input type="radio"/> Clinician	<input type="radio"/> Embryologist	<input type="radio"/> Student	<input type="radio"/> Others
Address	:	<input type="text"/>				
City	:	<input type="text"/>	Pin	:	<input type="text"/>	
State	:	<input type="text"/>	Country	:	<input type="text"/>	
Telephone (O)	:	<input type="text"/>	Telephone @	:	<input type="text"/>	
Mobile	:	<input type="text"/>	Email	:	<input type="text"/>	

**Candidates**

I would like to attend the PGD Workshop from 21<sup>st</sup> March - 24<sup>th</sup> March 2016

Fees for the PGD Workshop ₹67,500/- (₹59,000/- + 14.5% Service Tax).

Venue at **Indira IVF, 9, South Patel Nagar, Opposite Metro Pillar 203, Near Patel Nagar Metro Station, New Delhi – 110008**

Cheque/DD to be prepare in the name of **Embryology Academy for Research & Training**.

**Bank Details**

Account name : **Embryology Academy for Research & Training**

BANK	BRANCH	ADDRESS	A/C NO.	A/C TYPE	MICR CODE	NEFT / IFSC CODE
STATE BANK OF INDIA	COMMERICAL BRANCH, VILE PARLE EAST, MUMBAI	3RD FLOOR, PARLE SQUIRE BUILDING, B.N.AGARWAL COMMERCIAL COMPLEX, MUNGHIBAI ROAD,VILE PARLE EAST, MUMBAI - 400057	10150822718	CURRENT A/C	400002141	SBIN0004115

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Embryology Academy for Research & Training

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