Program

Blastocyst Implantation Biology Laboratory
Department of Physiology
All India Institute of Medical Sciences
New Delhi
Tuesday, November 3, 2009 (Day 1): Open session
Ramalingaswamy Board Room, All India Institute of Medical Sciences

9.30 am  Inaugural events
Welcome note: Professor Jayasree Sengupta
Inauguration by the Director – AIIMS
Professor R.C. Deka
Director, All India Institute of Medical Sciences
Introduction to the Workshop by the Chief Guest
Professor N.K. Ganguly
Former Director – General, ICMR
Distinguished Biotechnology Fellow &
Advisor, Translational Health Science &
Technology Institute, Government of India
Release of the Manual by the Dean – AIIMS
Professor Rani Kumar
Vote of thanks
Tea

10.45 am – 1.30 pm  Clinics-to-Research Laboratory
Chairperson: Professor Jayasree Sengupta
Professor & Head, Department of Physiology
All India Institute of Medical Sciences, New Delhi

Plenary lecture
A holistic approach to endometriosis: Professor Linda Giudice
Chairperson, Department of Obstetrics, Gynecology and
Reproductive Sciences, University of California San Francisco, USA

Endometriosis – Clinical perspectives: Professor Suneeta Mittal
Professor & Head, Department of Obstetrics and Gynecology
All India Institute of Medical Sciences, New Delhi

Endometriosis – Imaging: Dr. Raju Sharma
Department of Radio-Diagnosis
All India Institute of Medical Sciences, New Delhi

Endometriosis – Clinical staging: Professor Sunesh Kumar
Department of Obstetrics and Gynecology
All India Institute of Medical Sciences, New Delhi

Endometriosis – Histopathology: Professor Siddhartha Datta Gupta
Department of Pathology
All India Institute of Medical Sciences, New Delhi
Tuesday, November 3, 2009
Initiation of Wet Lab Experience
Seminar Room, Department of Physiology
All India Institute of Medical Sciences
(Only for the Registered Participants)

2.30 pm
Endometriosis – Molecular Strategy: Interactive Session
Professor D. Ghosh

Wet Lab Work Plan: Orientation
Professor Jayasree Sengupta

Immunohistochemistry

Wednesday, November 4, 2009: Wet lab session, Day 2
Department of Physiology, All India Institute of Medical Sciences

9.00 am
RNA Methodologies: Mr. Meraj A Khan
Department of Physiology, All India Institute of Medical Sciences, New Delhi

9.30 am
RNA extraction

Tea

12.00 Noon
RNA QC: Electrophoresis and spectrophotometry

Lunch

2.00 pm
RNA QC: RNA integrity scores (RIN scores)

Tea

4.30 pm
Preparation for microarray

Immunohistochemistry
Thursday, November 5, 2009: Wet lab session, Day 3  
*Department of Physiology, All India Institute of Medical Sciences*

- **9.00 am**
  *Global gene array – Theory and protocol:* Dr. A.R. Najwa  
  Department of Physiology, All India Institute of Medical Sciences, New Delhi

- **9.30 am**
  *cDNA preparation*  
  Tea

- **12.00 Noon**
  *Complex fluoroprobes synthesis*  
  Lunch

- **2.00 pm**
  *Purification of probes*  
  Tea

- **3.30 pm**
  *QC and hybridization for gene array*  
  Special Presentation
  *Gene expression on Agilent DNA microarray platform*

  *Immunohistochemistry*

Friday, November 6, 2009: Wet lab session, Day 4  
*Department of Physiology, All India Institute of Medical Sciences*

- **9.00 am**
  *Data analysis:* Professor D. Ghosh  
  Department of Physiology, AIIMS, New Delhi

- **9.30 am**
  *Array scanning*  
  Tea

- **11.30 am**
  *Data analysis software for gene array*  
  Lunch

- **2.00 pm**
  *Array analysis*  
  Tea

  *Array analysis continued*

  Special Presentation
  *QPCR- Quantifying results becomes easy:* Mr. Sumit Mehna  
  Senior Product Manager-Genomics, Bio-Rad Laboratories India Pvt Ltd

  *Immunohistochemistry*
Saturday, November 7, 2009: Wet lab session, Day 5
Department of Physiology, All India Institute of Medical Sciences

9.00 am
Special Presentation
Array CGH: Dr. Vladimir Lazar
Director, Institut Gustave Roussy (IGR) Genomic Research Centre and
Head, Integrated Biology Platform Institut Gustave Roussy
Villejuif, France

9.30 am
Q-real time RT PCR validation of array data

Tea

11.30 am
Immunohistochemical assessment & FAQs

Lunch

2.00 pm
Valedictory Session
Chairperson: Professor Suneeta Mittal
Professor & Head, Department of Obstetrics & Gynecology, AIIMS, New Delhi

Valedictory lecture
Future trends in endometriosis research: Professor Linda Giudice
Chairperson
Department of Obstetrics, Gynecology and Reproductive Sciences
University of California San Francisco, USA

Certificate Awarding Event