Embryo Implantation and Pregnancy: Intricacies and Strategies for its Success
Dates: 9-11 March, 2015
Venue: National Institute of Immunology
Aruna Asaf Ali Marg, New Delhi – 110 067, INDIA

PROGRAM
Session 1: Factors governing endometrial receptivity for embryo implantation
Session 2: Regulation of trophoblast proliferation, invasion and differentiation
Session 3: Physiology of pregnancy: immuno-regulatory mechanisms
Session 4: Role of genetic and epigenetic changes in implantation biology and pregnancy
Session 5: Complications of pregnancy, their assessment and management strategies

REGISTRATION
• National Delegate: INR 5000
• Indian Research Scholar/Student: INR 2500
• Foreign Delegate: US$ 250
• Foreign Research Scholar/Student: US$ 125

Deadline for Registration: 15 January, 2015

Sponsored by: National Institute of Immunology, India; Department of Biotechnology, India; Indian Council of Medical Research, India; Society for the Study of Reproduction, USA; Immunology Foundation, India

INVITED SPEAKERS
Dr. Andres Salumets, Estonia
Dr. S. Ananth Karumanchi, USA
Dr. Asgi Fazleabas, USA
Dr. Colin L. Stewart, Singapore
Dr. Da-Jin li, China
Dr. Deepak N. Modi, India
Dr. Fan Jin, China
Dr. Geetanjali Sachdeva, India
Dr. Gendie E. Lash, UK
Dr. Gerard Chaouat, France
Dr. Guillermina Girardi, UK
Dr. Gus Dekker, Australia
Dr. Hiroshi Fujiwara, Japan
Dr. Hiroshi Uchida, Japan
Dr. Jan Brosens, UK
Dr. Jemma Evans, Australia

Dr. John Schjenken, Australia
Dr. Julia Szekeres-Bartho, Hungary
Dr. Lois Salamonsen, Australia
Dr. Malini Laloraya, India
Dr. Mamoru Tanaka, Japan
Dr. Milan K. Bagchi, USA
Dr. Peeyush K Lala, Canada
Dr. Polani B. Sheshagiri, India
Dr. Philip C. N. Chiu, China
Dr. Sandra M. Blois, Germany
Dr. Satish Kumar Gupta, India
Dr. Shigeru Saito, Japan
Dr. Surendra Sharma, USA
Dr. Stefen Hansson, Sweden
Dr. Udo R. Markert, Germany

Contact: Dr. Satish K. Gupta, Reproductive Cell Biology Lab, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi – 110 067, INDIA; E-mail: embryo_skg@nii.ac.in

For more information log on to http://www1.nii.res.in/congress2015/embryoimplantation.html
INTERNATIONAL CONGRESS
ON
EMBRYO IMPANTATION AND PREGNANCY: INTRICACIES
AND STRATEGIES FOR ITS SUCCESS

March 9-11, 2015

National Institute of Immunology
New Delhi, INDIA
After fertilization, implantation of the blastocyst is one of the critical steps leading to establishment of pregnancy. It involves an extensive cross-talk between the trophoblast cells and the receptive endometrium through embryonic as well as endometrial derived factors at the site of implantation. It is imperative to understand the regulatory events associated with successful conception. It is also important to understand the factors associated with pregnancy associated complications such as recurrent abortions, pre-eclampsia, Intrauterine Growth Retardation (IUGR) etc and development of novel diagnostic tools and treatment regimens for their management. The aim of this Congress is to act as catalyst by bringing various scientists and clinicians working in this area at a common platform and to have an assessment of the current status and future needs for scientific investigations. The Congress will cover both mechanistic and clinical aspects of the feto-maternal relationship. It is planned to have 25-30 invited speakers from abroad and India, in addition to free communications. The congress will have the following scientific sessions for discussion:

- Factors governing endometrium receptivity for embryo implantation
- Regulation of trophoblast proliferation, invasion and differentiation
- Physiology of pregnancy: immunoregulatory mechanisms
- Role of genetic and epigenetic changes in implantation biology and pregnancy
- Complications of pregnancy, their assessment and management strategies

The Congress is being organized by National Institute of Immunology, New Delhi, India and is being supported by various National Funding Agencies. The convener and Local Organizing Committee extend a warm and cordial invitation to participate in this international event

**Convener**

**Dr. Satish Kumar Gupta**  
Deputy Director  
Chief, Reproductive Cell Biology Lab  
National Institute of Immunology  
Aruna Asaf Ali Marg  
New Delhi-110 067, INDIA  
Phone 091 11 26742149; Fax 0911 11 26742125; E-mail: embryo_skg@nii.ac.in

**Local Organizing Committee**

Mr. N. S. Padmanabhan (Chair), Dr. Amulya K. Panda, Dr. Rahul Pal, Mr. Pradeep Chawla, Mrs Chandresh Bhagtani, Mr. Harender Singh, Mr. Rajkamal Singh, Ms Ankita Malik, Ms Sonam Verma, Ms Sudha Saryu Malhotra, Ms Kajal Moolchandani, Mr Piyush Chaudhary, Mr. Abhinav Shreshta, Ms Vidisha Minhas and Dr. Ananta Prasad Arukha.

Updated details of the Congress can also be obtained on website:  
http://www1.nii.res.in/congress2015/embryoimplantation.html
The Congress is sponsored by the following

1. National Institute of Immunology, New Delhi, India
2. Department of Biotechnology, Government of India, India
3. Indian Council of Medical Research, Government of India, India
4. Society for the Study of Reproduction, USA
5. Immunology Foundation, New Delhi, India
TENTATIVE PROGRAMME

9 March, Monday

08.00-09.30 AM Registration
09.30-10.00 AM Inauguration Function

Session I: Factors Governing Endometrium Receptivity for Embryo Implantation

Chairpersons: Dr. Bindu Dey, Department of Biotechnology, Govt. of India
Second chairperson to be announced

10.00-10.30 AM
Dr. Milan K. Bagchi
University of Illinois at Urbana-Champaign
USA
Hormonal mechanisms controlling implantation

10.30-11.00 AM
Dr. Lois Salamonsen
MIMR-PHI Institute
Australia
Microenvironment of human implantation: Determinant of reproductive success

11.00-11.30 AM Tea/Coffee

11.30-12.00 PM
Dr. Asgi Fazleabas
Michigan State University
USA
Uterine function and dysfunction: Impact of endometriosis

12.00-12.30 PM
Dr. Geetanjali Sachdeva
National Institute for Research in Reproductive Health, India
Secrets of endometrial receptivity: Are some hidden by uterine secretome?

12.30-01.00 PM
Dr. Colin L. Stewart
Institute of Medical Biology, Singapore
LIF mediated uterine molecular signature regulating blastocyst implantation

01.10-02.00 PM Lunch

02.00-02.30 PM
Dr. Malini Laloraya
Rajiv Gandhi Centre for Biotechnology
India
Protein interactomics in embryo implantation

02.30-03.00 AM
Dr. Hiroshi Fujiwara
Kanazawa University, Japan
Positive contribution of immune cells to endometrial receptivity and embryo implantation

03.00-03.30 PM
Dr. Hiroshi Uchida
Keio University School of Medicine
Japan
Human endometrial epithelial cells in motion during implantation

03.30-04.00 PM
Dr. Polani B. Seshagiri
Indian Institute of Science
India
Early expression and functional significance of implantation-associated factors in the pre-implanting blastocyst

04.00-04.30 PM Tea/Coffee
Chairperson: Dr. Savita Yadav, All India Institute of Medical Sciences, New Delhi

04.30-05.30 PM Selected Oral Presentations - I

Session II: Regulation of Trophoblast Proliferation, Invasion and Differentiation

Chairpersons: Dr. A. J. Rao, Indian Institute of Science, Bangalore
Dr. William S. B. Yeung, The University of Hong Kong

05.30-6.00 PM Dr. Deepak N Modi
National Institute for Research in Reproductive Health, India
Decidual control of trophoblast invasion

06.00-06.30 PM Dr. Jemma Evans
MIMR-PHI Institute, Australia
Sweetening placentation: Hyperglycosylated hCG facilitates trophoblast invasion

07.00-08.00 PM Cultural Program

10 March, Tuesday

Session II Continues

09.00-09.30 AM Dr. Satish Kumar Gupta
National Institute of Immunology, India
Regulation of trophoblastic ‘BeWo’ cell fusion

09.30-10.00 AM Dr. Udo Markert
University Hospital Jena, Germany
Role of miRNA in trophoblast biology

10.00-10.30 AM Dr. Peeyush K Lala
University of Western Ontario, Canada
Restraint of trophoblast invasion by decorin and its role in pre-eclampsia

10.30-11.00 AM Dr. Philip C. N. Chiu
University of Hong Kong, China
Glycodelin-A as a paracrine regulator in early pregnancy

11.00-11.30 AM Tea/Coffee

Session III: Physiology of Pregnancy: Immunoregulatory Mechanisms

Chairpersons: Dr. G. P. Talwar, Talwar Research Foundation, Delhi
Dr. Malabika Roy, Indian Council of Medical Research, New Delhi

11.30-12.00 Noon Dr. Gendie Lash
New Castle University, UK
Role of uterine leucocytes in maternal adaptations to pregnancy

12.00-12.30 PM Dr. Shigeru Saito
University of Toyama, Japan
The role of paternal antigen specific Treg cells in implantation and early pregnancy period

Co-ordinators: Piyush Chaudhary, Sudha Saryu Malhotra, Sonam Verma
12.30-1.30 PM Poster Session

1.30-2.30 PM Lunch

02.30-03.00 PM Dr. Gerard Chaouat
INSERM, France
Tregs and eutherian pregnancy: reconsidering the Medawar paradigm

03.00-03.30 PM Dr. Julia Szekeres-Bartho
Pecs University
Hungary
Successful implantation- from the embryonic view

03.30-4.00 PM Dr John Schjenken
University of Adelaide
Australia
MicroRNA regulation of the peri-conception immune response and pregnancy success

4.00-4.30 PM Tea/Coffee

4.30-05.00 PM Dr. Da-Jin Li
Fudan University
Shanghai Medical College
China
NK cell subset in decidua

Session IV: Role of genetic and epigenetic changes in implantation biology and pregnancy

Chairpersons: Dr. N. K. Lohiya, University of Rajasthan, Jaipur
Dr. R. S. Sharma, Indian Council of Medical Research, New Delhi

05.00-5.30 PM Dr. Andres Salumets
University of Tartu
Estonia
Genomics of oocyte and embryo-endometrium interaction at implantation

05.30-6.00 PM Dr. Mamoru Tanaka
Keio University
Japan
Chromatin remodeling during fertilization

Chairperson: Dr. Ashok Kumar, Maulana Azad Medical College, Delhi

6.00-7.00 PM Selected Oral Presentations-II

7.30-9.30 PM Dinner

11 March, Wednesday

Session IV Continues

09.00-9.30 AM Dr. Jan Brosens
University of Warwick
UK
Epigenetic programming of the decidual response

09.30-10.00 AM Dr. Fan Jin
Women’s Hospital
Zhejiang University
China
Effects of assisted reproductive technology on the DNA stability and its epigenetic modification in the offspring

Session V: Complications of pregnancy, their assessment and management
Strategies

Chairpersons: Dr. Smita Mahale, National Institute for Research in Reproductive Health, Mumbai
Rahul Pal, National Institute of Immunology, New Delhi

10.00-10.30 AM Dr. Guillermina Girardi
King’s College London
UK
Non-invasive in vivo methods to predict pregnancy outcomes

10.30-11.00 AM Dr. Surendra Sharma
Women & Infants Hospital of Rhode Island, USA
Transthyretin and its toxic manifestation in pregnancy: A novel concept in preeclampsia

11.00-11.30 AM Tea/Coffee

11.30-12.00 Noon Dr. Gus Dekker
The University of Adelaide
Australia
Immune aspects of human placentation as they relate to pregnancy complications

12.00-12.30 PM Dr. Sandra M Blois
Medicine University Berlin
Germany
Galectins in the pathogenesis of preeclampsia

12.30-01.00 PM Dr. S. Ananth Karumanchi
Harvard Medical School
USA
Novel therapies for preeclampsia and its complications

01.00-01.30 PM Prof Stefen Hansson
Lund University Hospital
Sweden
Fetal hemoglobin in preeclampsia: A new etiological factor, a tool for prediction-diagnosis and a potential target for therapy with alpha-1-microglobulin

1.30-2.30 PM Lunch

Chairperson: Dr. Subeer Majumdar, National Institute of Immunology, New Delhi

02.30-03.15 PM Selected Oral Presentation
Co-ordinators: Abhinav Shreshta, Vidisha Minhas, Ankita Malik

03.15-04.15 PM Poster Session

04.15-04.45 PM Tea/Coffee

04.45-05.00 PM Best Poster Awards

Venue of the Congress

Auditorium
National Institute of Immunology
Aruna Asaf Ali Marg
New Delhi-11 067
INDIA
Phone Numbers of the institute (EPABX) 00 91 11 26717121-45
Convener Office 00 91 11 26741249
# ACCOMODATION FORM

Mail to: Dr. Satish K. Gupta, Deputy Director and Chief, Reproductive Cell Biology Laboratory, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi- 110 067, INDIA; E-mail: embryo_skg@nii.ac.in

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<th>Name (Prof./Dr./Mr./Mrs./Miss)</th>
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Please indicate your choice for type of accommodation (kindly refer brochure for details)

1st choice ....................................................  2nd choice ....................................................

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Date of occupancy ........................................ Date of Vacating ..........................

Total No. of days of stay ..................................

Specify your choice of person, if any, for sharing accommodation ..........................................

Amount of hotel deposit being sent: (Rs./US$) .............................................................

Demand Draft Number .............................................. Dated .....................

I have read and accepted the terms and conditions for cancellation of accommodation.

Date of sending the form ......................... Signature .................................

*Kindly note that the check-in and checkout time of accommodation will be 12.00 noon.
Embryo Implantation and Pregnancy: Intricacies and Strategies for its Success

(March 9-11, 2015)
National Institute of Immunology
New Delhi, INDIA

REGISTRATION FORM

Mail to: Dr. Satish K. Gupta, Deputy Director and Chief, Reproductive Cell Biology Laboratory, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi- 110 067, INDIA; E-mail: embryo_skg@nii.ac.in

Delegate Name:
Prof./Dr./Mr./Mrs./Miss ......................................................
Last Name ......................................................................................................
First name ......................................................................................................
Middle Name .................................................................................................
Mailing Address ...........................................................................................................
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Tel ........................................................... Fax .......................................................
E-mail .....................................................................................................................
Accompanying person’s name .............................................................................. Sex (M/F) ............
Abstract enclosed? □ Yes □ No
Registration fee: Demand Draft Number ..............................................................
Dated ..................... Amount (Rs./US$) ..........................

I have read and accepted the terms and conditions for cancellation of Registration.

Date of sending the form ......................... Signature .........................
Embryo Implantation and Pregnancy: Intricacies and Strategies for its Success

(March 9-11, 2015)
National Institute of Immunology
New Delhi, INDIA

PARTICULARS FORM (ONLY FOR FOREIGN DELEGATES)

Mail to: Dr. Satish K. Gupta, Deputy Director and Chief, Reproductive Cell Biology Laboratory, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi- 110 067, INDIA; E-mail: embryo_skg@nii.ac.in

Name of the Applicant: Family Name .........................................................
First Name ............................................................................................
Middle Name ......................................................................................

Father's/Husband's Name: Family Name .........................................................
First Name ............................................................................................
Middle Name ......................................................................................

Place and Date of Birth .............................................................................

Nationality a) Present ................................................................. b) Past, if applicable ..................

Occupation ............................................................................................

Address of Place of Work ........................................................................

Passport Details:
Number ..........................................
Issued at ..........................................
Valid up to .................................

Date ........................................... Signature .................................
REGISTRATION

All participants at the congress must register

The Registration Fees are as follows:

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<td>Student</td>
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Registration Fees may be sent by Demand Draft or Pay Order Cheque in US$ or Indian Rupees in favour of the “Director, NII - Embryo Implantation”. The Registration cum Particulars Form should be completed and returned to the address mentioned in Registration cum Particulars Form along with the requisite fees. Registrants will receive a confirmation letter of registration which must be presented at the Registration Desk of the Congress to receive the conference material.

Refund of Registration Fees is as follows:

Full Registration Fees will be refunded, if informed by 15th January, 2015
After 15th January, 2015, no refund of Registration Fees will be possible

SUBMISSION OF ABSTRACT
(Deadline for submission: 15th January 2015)

Registered participants are invited to submit abstracts pertaining to the various scientific sessions, which can be displayed as posters during the congress. Abstract should explain the background/rationale of the study, experimental methods, results, conclusions and acknowledgements, if any. The following guidelines should be strictly adhered to while submitting the abstract.

- Only one abstract to be submitted by each registrant
- Font: black, Times New Roman and 12 point font size, single spacing
- Word limit: 250 words total abstract (not including title, authors and affiliation)
- Please write the title in CAPITAL letters
- Please print in upper and lower case the Authors (First name, middle name and surname), affiliation, city and country. The presenting author’s name should be underlined. The e-mail address of the presenting author should be given after the address.
- Abstract may not include any Tables, Images or References.
- Do not use separate headings in the abstract.
- Use standard abbreviations only.
The abstract should be sent electronically to Dr. Satish Kumar Gupta at E-mail: embryo_skg@nii.ac.in

The file should be sent as a .doc file suitable for processing by MS Word. All accepted abstracts will be printed in the form of an Abstract Book, which will be available at the time of the congress.

Acceptance of the abstract will be communicated to the presenting author within two weeks of receipt by e-mail.

ACKNOWLEDGEMENT AND LETTER OF INVITATION

Acceptance of the abstract constitutes an official invitation to participate in the congress. On request, the Secretariat will send a formal invitation. It should be clearly understood that such an invitation is meant to assist participants to raise travel funds or apply for a visa. This does not constitute a commitment on the part of the Congress organizers to provide financial support.

PROCEEDINGS OF THE CONGRESS

Proceedings of the International Congress on “Embryo Implantation and Pregnancy: Intricacies and Strategies for its Success”, comprising of the contributions from the invited speakers will be published by American Journal of Reproductive Immunology

ACCOMODATION

Request for accommodation should be sent to the congress secretariat at the earliest. March, being a peak season, the accommodation in the hotels is booked well in advance. In order to assure your booking in the hotel/guest house of your choice, please send duly filled Accommodation Form with one night room tariff as deposit. We have negotiated discounted prize on Deluxe Hotel. Payment can be made by Demand Draft or Pay Order Cheque in US$ or Indian Rupees in favour of “Director, NII – Embryo Implantation”. The approximate room tariff is as follows:

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<th>Accommodation</th>
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<td>Deluxe Hotel (with breakfast)</td>
<td>Approx 6000/- (Single occupancy)</td>
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<td>Approx 7200/- (Double occupancy)</td>
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<tr>
<td>Budget Hotel (with breakfast)</td>
<td>Approx 3000 to 4000/-</td>
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<tr>
<td>Institute Guest House (without breakfast; However, there will be arrangement for breakfast on payment basis in the Guest House Cafeteria)</td>
<td>Approx 800 to 1200/- (Single occupancy)</td>
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Cancellation and Refunds: As per the policy of hotel/Guest House
BURSARIES

To encourage participation of Indian scientists and research scholars, limited number of travel bursaries will be available through grants from various agencies of the Government of India. Participants have to register for availing travel assistance and must have submitted an abstract, which is accepted.

GENERAL INFORMATION

New Delhi- The Conference Venue

This historical city is very well connected by air with the rest of the world by major airlines. Being India’s capital, it is well linked by the rail, air and road to rest of the country. Historical monuments such as Red Fort (1647 AD) and Qutab Minar (72 meter high tower whose construction commenced in 1200 AD and was completed in 1368 AD) symbolizes the ancient roots of Delhi, which also has been the capital of seven empires in the past. Delhi also provides an opportunity to witness the mingling of modern with traditional culture. A glimpse of 13th century mausolia, fine examples of imperial India’s architecture excellence is the most fascinating character of Delhi. Shopping encompasses virtually everything that can be bought in the country.

Passport and Visa

Citizens of all countries require a valid national passport and a visa for India granted in the country of residence by Indian missions abroad. Facility for Visa on arrival is also available to visitors from several countries (please consult Indian mission in your respective country). However, it is advised to take prior visa from your country before commencing the journey.

Transport

Invited speakers will be met at the airport and transported to the hotel. Other registered delegates are requested to make their own arrangement to either reach National Institute of Immunology or designated hotel/guest house. If the registered delegate arrives during day time at the National Institute of Immunology, arrangements for transport will be made to drop him/her in the respective hotel/guest house. The Organizing committee will arrange transport between designated hotels/guest houses and the Conference Venue on all days of the Congress.

Weather in Delhi during March

The weather is sunny, dry and pleasant. The day temperature will be around 25-30ºC. Nights may be bit cooler and hence light woollens recommended.

Post Congress Tour

Few visitors to India return without seeing the famous Taj Mahal. Described variously as the “Wonder of the World” or “Dream in Marble”, this mausoleum was built between 1630-1652 AD by emperor Shah Jehan as a memorial to his beloved wife Mumtaz Mahal. A trip on payment basis for the delegates to either visit monuments in Delhi or visit Taj Mahal at Agra will be facilitated with logistic support from the Organizers on March 12, 2015. Those desirous of visiting these places, please inform the Convener of the Congress in advance.