

# SATURDAY, 9<sup>TH</sup> SEPTEMBER, 2017

07:30–08:15 **REGISTRATION**

08:15–08:30 **WELCOME ADDRESS**

*Professor Devendra K. Gupta*  
*Professor Prem Puri*

08:30–10:30 **SCIENTIFIC SESSION I (PRIZE SESSION)**

Prem Puri Prize for Basic Science Research  
Micheal Höllwarth Prize for Clinical Research

**Chairs:** *Juan Tovar (Madrid, Spain)*  
*Zacharias Zachariou (Limassol, Cyprus)*  
*Devendra Gupta (New Delhi, India)*

1. **ALTERED GOBLET CELL FUNCTION IN HIRSCHSPRUNG'S DISEASE (8 mins)**  
*H. Nakamura, C. Tomuschat, D. Coyle, A.M. O'Donnell, T. Lim, P. Puri (Ireland)*
2. **AMNIOTIC FLUID STEM CELLS AND MESENCHYMAL STEM CELLS HAVE DIFFERENT EFFECT ON THE GROWTH OF INTESTINAL EPITHELIAL CELLS (8 mins)**  
*B. Li, C. Lee, A. Pierro (Canada)*
3. **ALTERED EXPRESSION OF LAMININ ALPHA1 IN AGANGLIONIC COLON OF ENDOTHELIN RECEPTOR-B NULL MOUSE MODEL OF HIRSCHSPRUNG'S DISEASE (8 mins)**  
*N. Fujiwara, N. Nakazawa-Tanaka, K. Miyahara, E. Arikawa-Hirasawa, C. Akazawa, A. Yamataka (Japan)*
4. **SEGMENTAL OVERGROWTH IN COMPLEX VASCULAR MALFORMATIONS: TOWARDS A PHARMACOGENETIC THERAPY WITH RAPAMYCIN (8 mins)**  
*S. Costanzo, V. Baraldini, L. Spaccini, E. Cattane, D. Graziani, L. Moneghini, F. Destro, G. Bulfamante, G. Riccipettoni (Italy)*
5. **THE EFFECT OF LAMININ-1 ON ENTERIC NEURAL CREST DERIVED CELLS MIGRATION IN THE HIRSCHSPRUNG'S DISEASE MOUSE MODEL (8 mins)**  
*N. Nakazawa-Tanaka, N. Fujiwara, K. Miyahara, S. Nakada, E. Arikawa-Hirasawa, C. Akazawa, M. Urao, A. Yamataka (Japan)*

6. **FREQUENCY AND PROLIFERATIVE RESPONSE OF CIRCULATING INVARIANT NATURAL KILLER T CELLS IN PEDIATRIC PATIENTS WITH OR WITHOUT MALIGNANT SOLID TUMORS (8 mins)**

*T. Hishiki, N. Mise, K. Harada, F. Ihara, M. Takami, H. Yoshida, S. Motohashi (Japan)*

7. **FETAL LUNG-TO-LIVER SIGNAL INTENSITY RATIO ON MAGNETIC RESONANCE IMAGING FOR PREDICTING OUTCOME IN ISOLATED CONGENITAL DIAPHRAGMATIC HERNIA (8 mins)**

*M. Yamoto, K. Fukumoto, T. Takahashi, A. Sekioka, A. Nomura, K. Ooyama, Y. Yamada, N. Urushihara (Japan)*

8. **INFLUENCE OF DIFFERENT STRESS FACTORS ON INTESTINAL EPITHELIAL STEM CELLS (8 mins)**

*C. Lee, A. Minich, B. Li, H. Miyake, S. Seo, A. Pierro (Canada)*

9. **CHARACTERIZATION OF M1- AND M2-POLARIZED MACROPHAGES IN VASCULARIZED HUMAN DERMAL EPIDERMAL SKIN SUBSTITUTES *IN VIVO* (8 mins)**

*A.S. Klar, K. Michalak, T. Biedermann, C. Meuli-Simmen, E. Reichmann, M. Meuli (Switzerland)*

10. **INFLAMMATORY BOWEL DISEASE IN PATIENTS WITH HIRSCHSPRUNG'S DISEASE: A SYSTEMATIC REVIEW AND META-ANALYSIS (8 mins)**

*H. Nakamura, T. Lim, P. Puri (Ireland)*

10:30–11:00 **COFFEE BREAK**

11:00–13:00 **SCIENTIFIC SESSION II**

**Chairs:** *Prem Puri (Dublin, Ireland),  
Atsuyuki Yamataka (Tokyo, Japan)  
Roy Chaudhry (New Delhi, India)*

11. **GATA-6 EXPRESSION IS DECREASED IN THE DIAPHRAGMATIC AND PULMONARY MESENCHYME OF FETAL RATS WITH NITROFEN-INDUCED CONGENITAL DIAPHRAGMATIC HERNIA (6 mins)**

*T. Takahashi, F. Friedmacher, J. Zimmer, P. Puri (Ireland)*

12. **INCREASED CaSR AND TRPC6 PULMONARY VASCULAR EXPRESSION IN THE NITROFEN-INDUCED MODEL OF CONGENITAL DIAPHRAGMATIC HERNIA (6 mins)**

*H. Nakamura, J. Zimmer, T. Lim, P. Puri (Ireland)*

13. **ATTENUATION OF THE REACTIVE OXYGEN SPECIES PRODUCTION BY APOCYNIN AND EPIGALLOCATECHIN-GALLATE IN THE HEARTS OF RATS WITH NITROFEN-INDUCED DIAPHRAGMATIC HERNIA (6 mins)**  
*Martínez L, Aras-López R, Andreu V, Tovar JA (Spain)*
14. **THE ROLE OF QUAKING IN LUNG DEVELOPMENT(6 mins)**  
*Ameis D, Keijzer R (Canada)*
15. **MIR-200B -/- MICE DISPLAY PULMONARY HYPERTENSION AND ABNORMAL LUNG FUNCTION (6 mins)**  
*Ameis D, Khoshgoo N, Day, C, Keijzer R (Canada)*
16. **PREDICTING SURVIVAL OF CONGENITAL DIAPHRAGMATIC HERNIA ON THE FIRST DAY OF LIFE (6 mins)**  
*C. Oh, S.H. Shin, HB. Yang, S. Baek, HY. Kim, SE. Jung (South Korea)*
17. **ESTABLISHMENT OF A TISSUE BANK FOR HUMAN FETAL LUNGS OF CONGENITAL DIAPHRAGMATIC HERNIA PATIENTS (6 mins)**  
*L. Ayoub, D. Ameis, C. Stevanovici, P. Snarr, M. Levesque, R. Keijzer (Canada)*
18. **EFFECT OF ANTIOXIDANT TREATMENTS ON LUNGS AND KIDNEYS FROM RAT FETUSES WITH NITROFEN INDUCED CDH (6 mins)**  
*Martínez L, Aras-López R, Andreu V, Tovar JA (Spain)*
19. **THORACOSCOPIC REPAIR OF ESOPHAGEAL ATRESIA & TRACHEOESOPHAGEALFISTULA -TREAT: HOW DO WE DO IT? (VIDEO) (6 mins)**  
*R.P. Kanooja, N. Bhardwaj, R. Samujh (India)*
20. **AN ALTERNATIVE APPROACH TO THORACOSCOPIC RESECTION OF CONGENITAL CYSTIC ADENOMATOID MALFORMATION IN PATIENT WITH FUSED LUNG FISSURE USING HOOKWIRE (6 mins)**  
*Lau CI, Wong KKY (Hong Kong)*
21. **FIRST CANADIAN EXPERIENCE WITH ENDOSCOPIC MAGNETIC COMPRESSION ANASTOMOSIS (MAGNAMOSIS) IN THREE PATIENTS WITH LONG-GAP TRACHEO-ESOPHAGEAL FISTULA (3 mins)**  
*R.Keijzer, M Zaritzky, M Zidane, H Wong, BJ Hancock (Canada)*

22. **ESOPHAGEAL ANASTOMOTIC CALIBER INDEX (EACI) AFTER THORACOSCPIC REPAIR OF ESOPHAGEAL ATRESIA WITH TRACHEOESOPHAGEALFISTULA (TREAT): A COMPARATIVE ASSESSMENT WITH OPEN REPAIR FOR EA-TEF (3 mins)**  
*R.P. Kanojia, N. Bhardwaj, R. Samujh (India)*
23. **MANAGEMENT OF STUCK LONG-TERM PORT-A-CATH (3 mins)**  
*O. Bawazir (Saudi Arabia)*
- 13:00–14:30 **LUNCH**
- 13:30–14:30 **POSTER WALK I**  
*Chairs: Takashi Doi (Osaka, Japan)  
Martin Lacher (Leipzig, Germany)  
K.K. Maudar (Pune, India)*
- 13:30–14:30 **POSTER WALK II**  
*Chairs: David Croaker (Canberra, Australia)  
Yechiel Sweed (Naharia, Israel)  
Nana Nakazawa-Tanaka (Tokyo, Japan)*
- 14:30–16:00 **SCIENTIFIC SESSION III**  
*Chairs: Risto Rintala (Helsinki, Finland)  
Paul Tam (Hong Kong, China)  
Ketan Parikh (Mumbai, India)*
24. **HIRSCHSPRUNG'S DISEASE IN THE LAPAROSCOPIC TRANSANAL PULL-THROUGH ERA. DOES AGE AT SURGERY INFLUENCE POSTOPERATIVE BOWEL FUNCTION? (6 mins)**  
*G. Miyano, M. Takeda, N. Nakazawa-Tanaka, T. Doi, H. Koga, M. Okawada, J. Ishii, G.J. Lane, T. Okazaki, M. Urao, A. Yamataka (Japan)*
25. **PROBIOTICS FOR THE PREVENTION OF HIRSCHSPRUNG-ASSOCIATED ENTEROCOLITIS: A SYSTEMATIC REVIEW AND META-ANALYSIS (6 mins)**  
*H. Nakamura, T. Lim, P. Puri (Ireland)*
26. **DIAGNOSTIC VALUE OF THE PREOPERATIVELY DETECTED RADIOLOGICAL TRANSITION ZONE IN HIRSCHSPRUNG'S DISEASE (6 mins)**  
*X. Chen, W. Xiaojuan, H. Zhang, C. Jiao, K. Yu, T. Zhu, J. Feng (China)*
27. **EPIDEMIOLOGY OF MAJOR PEDIATRIC SURGICAL ANOMALIES – USE OF INSURANCE COMPANY ROUTINE DATA (6 mins)**  
*U. Rolle, B. Wittekindt, TM. Theilen, R. Schlösser (Germany)*

28. **DIAGNOSIS OF HIRSCHSPRUNG'S DISEASE IN NEONATES: IS A CONTRAST ENEMA USEFUL? (6 mins)**  
*P. Menon, S. Khanna, K. L. N. Rao, R. Samujh, A. K. Saxena, K. S. Sodhi (India)*
29. **HISTOLOGY OF THE TERMINAL END OF THE DISTAL RECTAL POUCH AND FISTULA REGION IN ANORECTAL MALFORMATIONS: IS IT USEFUL? (3 mins)**  
*R. Piplani, P. Samraj, H. Kour, G. Chakraborty, S.K. Acharya, D. Bagga (India)*
30. **LONG TERM STATUS OF POSTOPERATIVE CONTINENCE IN ANORECTAL MALFORMATIONS AND CORRELATION WITH ANORECTAL MANOMETRY (3 mins)**  
*R. Patcharu, S. Sharma, D. K. Gupta (India)*
31. **THE EFFECTIVENESS OF GASTROJEJUNAL FEEDING IN CHILDREN WITH NEUROLOGIC IMPAIRMENT (3 mins)**  
*T. Kitada, A. Yoneda, S. Nishimoto, Y. Tsukazaki, T. Santo, S. Uehara, M. Kamiyama, T. Nakaoka (Japan)*
32. **SINGLE INCISION LAPAROSCOPIC SURGERY (SILS) IN PAEDIATRIC PATIENTS WITH SICKLE CELL DISEASE (3 mins)**  
*H. Said, A. Zein, A.A. Faqeeh, S. Salahuddin, H. Madani, M. Fayez, A. J.A. Manee, E.A. Harbi (Saudi Arabia)*
33. **NEW INSIGHTS INTO THE ANATOMY OF THE EXTERNAL ANAL SPHINCTER (3 mins)**  
*H. Said, E.E. Sahwi, I.E. Ghezawi, M.E. Desouky, Y.S.E. Deen (Saudi Arabia)*
34. **NEONATAL SURGERY RESULTS AND LONG-TERM OUTCOMES IN A TERTIARY REFERRAL CENTRE IN DEVELOPING COUNTRY: PROSPECTIVE STUDY ON 800 CONSECUTIVE SURGICAL NEONATES OVER TEN YEARS (3 mins)**  
*D. Kandpal, S Balan, V Gupta, S Kaul, S K Chowdhary (India)*

16:00–16:30 **COFFEE BREAK**

16:30–17:30 **SCIENTIFIC SESSION IV**

**Chairs:** *Alastair Millar (Cape town, South Africa)*  
*Mikko Pakarinen (Helsinki, Finland)*  
*Veereshwar Bhatnagar (New Delhi, India)*

35. **HIGH-GRADE PORTAL INFLAMMATION AT PORTOENTEROSTOMY PREDICTS IMPROVED OUTCOMES IN BILIARY ATRESIA (6 mins)**  
*M. Hukkinen, A. Kerola, J. Lohi, H. Jalanko, M.P. Pakarinen (Finland)*
36. **LIVER STIFFNESS MEASUREMENT PREDICTS FOLLOW-UP LIVER HISTOPATHOLOGY AFTER A SUCCESSFUL PORTOENTEROSTOMY IN BILIARY ATRESIA (6 mins)**  
*M. Hukkinen, A. Kerola, J. Lohi, H. Jalanko, M.P. Pakarinen (Finland)*
37. **MODIFIED EXTENDED KASAI PORTOENTEROSTOMY IMPROVES SHORT-TERM OUTCOMES IN PATIENTS WITH BILIARY ATRESIA (6 mins)**  
*H. Ying, L. Dandan, Y. Jixing, F. Jiexiong (China)*
38. **COMPARING EARLY POST OPERATIVE APRI AS A MARKER OF HEPATIC FIBROSIS FOLLOWING KASAI WITH AND WITHOUT PARTIAL LIVER RESECTION IN BILIARY ATRESIA (6 mins)**  
*S. Sharma, R. Bhanot, M. Tripathi, P. Das, D.K. Gupta (India)*
39. **A STUDY OF THE SPATIAL DISTRIBUTION OF PROLIFEROUS BILE DUCTS IN THE FIBROUS REMNANT OF PORTA HEPATIS AND POST-OPERATION PROGNOSIS OF PATIENTS WITH BILIARY ATRESIA (3 mins)**  
*Y. Jixin (China)*
40. **PORTO-DUODENOSTOMY FOR EXTRA HEPATIC BILIARY ATRESIA: PRELIMINARY EXPERIENCE (3 mins)**  
*N. Tank, R.P. Kanojia, R. Samujh (India)*
41. **DUODENOTUBULAR FLAP—NEW BILIARY RECONSTRUCTIVE PROCEDURE (3 mins)**  
*Z. Habib, M. Kolar, W. Ramadan (United Arab Emirates)*
42. **RESULTS OF HEPATICHOLECYSTODUODENOSTOMY IN NEW BORN- A NEW SURGICAL APPROACH FOR BILIARY DRAINAGE IN CHOLEDOCAL CYST OPERATION IN NEW BORN (3 mins)**  
*Md.A. Aziz, I. Biswas, A. Ali, M.R. Alam (Bangladesh)*