

**IFOM-inStem Conference on Inflammation and Tissue Homeostasis
February 03-05, 2016**

**Venue: Dasher Auditorium
Program**

Day 1 – Wednesday February 3, 2016

08:30 – 09:30	Registration (Dasher Auditorium/ Poster set-up (SLC Colonnade)
09:30 – 09:40	Welcome address

Session 1	Regulation of Tissue Homeostasis Chair: Tina Mukherjee, NCBS
09:40 – 10:10	Dasaradhi Palakodeti, inStem SMED-PABPC2, a RNA Binding Protein is Essential for Epidermal Homeostasis and Regeneration
10:10 – 10:40	Mahendra Sonawane, TIFR, Mumbai, India Cell Size, Cell Adhesion and Tissue Homeostasis: Insights from Zebrafish Epidermis
10:40 – 11:10	Colin Jamora, inStem Epigenetic Regulation of Wound Healing
11:10 – 11:30	Short talk: Saloni Sinha, JNCASR, Bangalore, India Loss of Asrij Induces Blood Cell Disorders in Mice
11:30 – 13:00	Poster session (SLC Colonnade)
13:00 – 14:00	Lunch (inStem Dining Facility)

Session 2	Molecular mechanisms of aging and regeneration Chair: Jyotsna Dhawan, CCMB, Hyderabad
14:00 – 14:30	Shravanti Rampalli, inStem Epigenetic Regulation of Somatic Stem Cell Plasticity
14:30 – 14:50	Short talk: C. Justin David, Kerala University of Fisheries & Ocean Studies, India Selective Expression of Clock Genes in Hepatocytes of Obese Zebrafish
14:50 – 15:20	Cagatay Gunes, FLI -Leibniz-Institute for Age Research, Germany Telomerase Sensitizes Mammalian Cells to Aneuploidy-induced Transformation by Alleviating Telomere Replication Stress
15:20 – 15:50	Pavan Puvvula, Weis Center For Research, Geisinger Clinic, USA Regulation of Cellular Senescence by lncRNAs
15:50 – 16:20	Afternoon Break (NCBS Central Lawn)

Session 3	<i>Inflammation I: Effect on Tissues and Disease</i> Chair: Sunil Laxman, inStem
16:20 – 16:50	Nadia Mercader, CNIC, Madrid, Spain <i>Characterization of Novel Subtypes of Inflammatory Cells during Zebrafish fin and Heart Regeneration</i>
16:50 – 17:10	Short talk: M. Suvarsha Rao, CCMB, Hyderabad <i>Roles of Individual Chains of clusterin in Modulating Atherosclerosis</i>
17:10 – 17:40	Srikala Raghavan, inStem <i>Breaking Barriers: Role of Integrins in Epithelial Homeostasis and Sterile Inflammation</i>
17:40 – 18:00	Short talk: Manjunath Joshi, School of Life Sciences, Manipal University, India <i>Context Dependent Intricate Interplay between Metabolic and Inflammatory Pathways in Diabetes: Influence on Neutrophil (dys)function.</i>
18:00 – 20:00	Reception and Dinner (inStem Dining Facility)

Day 2 – Thursday February 4, 2016

Session 4	<i>Inflammation II: Regulation of Inflammatory Signals</i> Chair: Apurva Sarin, inStem
09:00 – 09:30	Soumen Basak, NII, Delhi <i>The NFkB System Integrates Microenvironmentallymphotoxin Signal to Modulate the Inflammatory Response in the Intestinal Niche</i>
09:30 – 10:00	Guido Franzoso, Imperial College, London, UK <i>Cancer-selective Targeting of the NF-kB Pathway with GADD45beta/MKK7 Inhibitors.</i>
10:00 – 10:20	Short talk: Pradip Nair, Biocon Research Limited, Bangalore, India <i>CD6 Domain 1 Specific Monoclonal Antibody Immunomodulates T-cells Preventing the Activation and Differentiation to Th17 cells</i>
10:20 – 10:50	Vishva Dixit, Genentech, S. Francisco, USA <i>Gasdermin-D Mediates LPS-induced Non-Canonical Inflammasome Signaling Downstream of Caspase-11</i>
10:50 – 11:10	Morning Break (NCBS Central Lawn)

Session 5	<i>Vascular Biology and Disease</i> Chair: Maneesha Inamdar, JNCASR, Bangalore
11:10 – 11:40	Joyce Bischoff, Harvard University, Boston, USA <i>Blood Vessel Assembly from Vascular Progenitor Cells in Infantile Hemangioma</i>
11:40 – 12:10	Lena Claesson-Welsh, Uppsala University, Sweden <i>Vessel Formation and Function: Regulation by VEGF Signaling</i>
12:10 – 12:40	Rekha Samuel, CMC-Vellore, India <i>Placental Pericyte and Endothelial Cell Cross-talk in Gestational Diabetes Mellitus</i>
12:40 – 13:10	Elisabetta Dejana, IFOM, Milan <i>Modulation of the Blood Brain Barrier Permeability in Cancer and other Diseases</i>
13:10 – 14:00	Lunch (inStem Dining Facility)
14:00 – 15:00	Poster session (SLC Colonnade)

Session 6	Cellular Homeostasis and Plasticity Chair: Minhaj Sirajuddin, inStem
15:00 – 15:30	Francesco Cecconi, (DCSRC), Copenhagen <i>Autophagy at the Verge between Stemness and Differentiation</i>
15:30 – 16:00	Giorgio Scita, IFOM, Milan <i>Endocytic Control of Cellular Plasticity and Mechanics</i>
16:00 – 16:20	Short talk: Kritarth Singh, The Maharaja Sayajirao University of Baroda, India <i>NLRX1 Regulates TNF-α Mediated Mitochondrial Turnover by Modulating Lysosomal Function</i>
16:20 – 16:50	Maithreyi Narasimha, TIFR, Mumbai, India <i>Stochastic Fluctuations in Cell Signaling and their Influence on Cell Behavior, Multicellular Sensing and Spatial Patterning in a Drosophila Epithelium</i>
16:50 – 17:20	Afternoon Break (NCBS Central Lawn)

Session 7	Cell Migration and Metastasis Chair: Akash Gulyani, inStem
17:20 – 17:50	Sorab Dalal, ACTREC, Mumbai, India <i>Plakophilin3 Functions Required for Tumor Progression and Metastasis</i>
17:50 – 18:10	Short talk: Shruti Chowdhari, CSIR-IGIB, Delhi <i>miR-4516 Regulates Keratinocyte Migration</i>
18:10 – 18:40	Sara Courtneidge, Oregon Health & Science Univ, Portland, USA <i>Invadopodia and Podosomes in Cell Migration and Invasion</i>
18:40 – 19:00	Short talk: Silvia Campello, University of Rome Tor Vergata, Italy <i>Mitochondrial Dynamics Regulate Thymocyte Migration and Impact on T Cell Development</i>
19:00 – 20:30	Dinner (inStem Dining Facility)

Day 3, Friday February 5, 2016

Session 8	Stem/Progenitor Cells in an Inflammatory Microenvironment Chair: Ramkumar Sambasivan, inStem
09:30 – 10:00	Pier Paolo Di Fiore, IFOM, Milan <i>Connecting the Machineries of Cell Fate Determination and Tumor Suppression in Mammary Stem Cells</i>
10:00 – 10:30	Anna Dimberg, Uppsala University, Sweden <i>Vascularabnormalization in Glioblastoma</i>
10:30 – 11:00	Sanjeev Waghmare, ACTREC, Mumbai, India <i>Secretory Phospholipase A2 IIA Overexpression in Mice Depletes Hair Follicle Stem Cells and Induces Differentiation</i>
11:00 – 11:30	Birgit Lane, Institute of Medical Biology, IMB A-STAR, Singapore <i>Working towards a Therapeutic Strategy for Genetic Skin Fragility</i>
11:30 – 11:40	Closing remarks
11:40 – 13:00	Lunch (inStem Dining Facility)