

# International Conference On Angiogenesis: Basics and Applications

Chennai, India (1-3 March 2012)

## **March 1, 2012 – Thursday**

### **Session-1: Inauguration and Welcome address**

09.00-10.00 a.m Inauguration

10.00-10.30 a.m Tea Break

### **Session-2 Keynote Speakers**

**Chair: Edward F. Plow**

10.30 -11.00 p.m Elisabetta Dejana Endothelial cell to cell junctions in the control of vascular morphogenesis

11.00-11.10 p.m Discussion

11.10-11.35 p.m P. R. Sudhakaran Metabolite control of angiogenesis

11.35-11.40 p.m Discussion

11.40-12.40 p.m Lunch

### **Session-3 Complexity in VEGF Biology**

**Chair: Vijay Shah**

**Co-Chair: Pradeep Kumar**

12.40-13.00 p.m Debabrata Mukhopadhyay VEGF and cancer cell stemness

13.00-13.20 p.m Yogesh Chawla **To be announced**

13.20-13.30 p.m Discussion

13.30-13.50 p.m Sathyamangla Prasad Cardiac dysfunction mediated by inflammation

13.50-14.10 p.m Discussion

14.10-14.30 p.m	Gopal. C. Kundu	Splice variant of osteopontin regulates VEGF dependant angiogenesis in breast cancer
14.30-14.40 p.m	Discussion	
<b>Session-4</b>	<b>Hypoxia and angiogenesis</b>	
<b>Chair:</b>	<b>Elisabetta Dejana</b>	
<b>Co-Chair:</b>	<b>Shymol K Goswami</b>	
15.30-15.50 p.m	Madhulika Dixit	Glucose Metabolism and Vascular Progenitors: A link to stem cell kinetics
15.50-15.55 p.m	Discussion	
15.55-16.15 p.m	Hitesh Peshvariya	NADPH oxidase derived reactive oxygen species in Angiogenesis
16.15-16.20 p.m	Discussion	
16.20-16.40 p.m	Christopher G. Kevil	Gasotransmitter regulation of ischemic vascular remodeling
16.40-16.45 p.m	Discussion	
17.00 p.m -	<b>Reception, Cultural events and Dinner</b>	

## March 2, 2012 – Friday

### **Session-5                    Plenary Talk**

**Chair                            Debabrata Mukhopadhyay**

9.00- 9.30 a.m            Edward F Plow                    Regulation of Integrin Function in Angiogenesis

9.30- 9.40 a.m            Discussion

### **Session-6                    Angiogenesis and Remodelling**

**Chair:                            Ramani Ramchandran**

**Co-Chair:                    JF Dufour**

9.40-9.55 a.m            Kumaravelu Jagavelu            Dynamin-2 regulates endothelial cell motility and angiogenesis in vivo

9.55-10.00 a.m            Discussion

10.00-10.20 a.m            Valentin Djonov                    Vascular growth and remodeling by intussusceptive angiogenesis

10.20-10.25 a.m            Discussion

10.25-11.00 a.m            Tea

### **Session-7                    Angiogenesis in Stroke and Ischemic Heart Disease**

**Chair:                            Asif Ahmed**

**Co-Chair:                    Valentin Djonov**

11.00-11.20 a.m            David D. Roberts                    Potential angiogenic targets for future therapy of cancer and tissue ischemia

11.20-11.25 a.m            Discussion

11.25-11.45 a.m            VR.Muthukkaruppan                    Identification and characterization of angiogenic and anti-angiogenic factors in

## Diabetic Retinopathy

11.45-11.50 a.m	Discussion	
11.50-12.05 p.m	Chittaranjan Patra	Nanotechnology and angiogenesis
12.05-12.10 p.m	Discussion	
12.10-12.25 p.m	Dr.Sulochana	Copper transporter 1: a novel target for regulating angiogenesis
12.25-12.30 p.m	Discussion	
12.30-12.40 p.m	Yunling Gao	NIH and international collaboration
12.40-12.45 p.m	Discussion	
12.45- 13.45 p.m	Lunch	

## **Session-8                      Angiogenesis and Reactive Oxygen Species**

**Chair:                              Jeanette Maier**

**Co-Chair:                        Malini Laloraya**

13.45-14.05 p.m	Madhu Dikshit	Neutrophils derived nitric oxide: role in inflammatory conditions
14.05-14.10 p.m	Discussion	
14.10-14.30 p.m	Ruhul Abid	Beneficial Effects of 'Oxidative Stress' on Vascular Health
14.30-14.35 p.m	Discussion	
14.35-14.55 p.m	Asif Ahmed	Weapons of mass protection-vascular endothelial growth factor (VEGF) and heme oxygenase (Hmox1) unravel preeclampsia
14.55-15.00 p.m	Discussion	
15.00-15.20 p.m	Suvro Chatterjee	An antidote to thalidomide: Rectification of thalidomide mediated erroneous angiogenesis is the key

15.20-15.25 p.m Discussion

15.25-15.45 p.m Tea break

**Session-9                    Angiogenesis in pre-clinical settings I**

**Chair:                         Yunling Gao**

**Co-Chair:                    Padmini Ekanbram**

15.45-16.05 p.m Ge Ruowen                    Identification of novel angiogenesis inhibitors  
for cancer therapy

16.05-16.10 p.m Discussion

16.10-16.30 p.m **Bipin Verma**                    **BD India-Industry Talk**

16.30-16.35 p.m Discussion

16.35-17.00 p.m Jeanette AM Maier                    Magnesium deficiency impairs human  
microvascular endothelial cell function by  
silencing trpm7

17.00-17.05 p.m Discussion

17.05-18.45 p.m **Poster Session and Reception**

18.45 p.m- **Dinner**

## March 3 , 2012 – Saturday

### **Session-10            Angiogenesis in pre-clinical settings II**

**Chair:**                    **Yogesh Chawla**

**Co-Chair:**              **Subir K Maulik**

9.00- 9.20 a.m	Vijay Shah	Angiogenesis in Organ Injury, Fibrosis, and Repair
9.20- 9.25 a.m	Discussion	
9.25- 9.45 a.m	Jean-François Dufour	
9.45- 9.50 a.m	Discussion	
9.50-10.05 a.m	Snehasikta Swarnakar	The use of curcumin in promoting angiogenesis and collagenization during healing of gastric ulcer
10.05-10.20 a.m	Santosh Satheesh	To be announced
10.20-10.40 a.m	Tea	

### **Session-11            Novel Regulation of Angiogenesis**

**Chair:**                    **Ge Ruowen**

**Co-Chair:**              **Snehasikta Swarnakar**

10.40- 11.00 a.m	Ramani Ramchandran	A Robo:Sox Nexus in Angiogenesis
11.00- 11.05 a.m	Discussion	
11.05-11.25 p.m	Jae Ok Lee	14mer-antiangiogenic peptides derived from buPRL and buGH
11.25- 11.30 a.m	Discussion	
11.30-11.45 a.m	Samuel Abraham	The necessity of angiogenesis regeneration vs

11.45-12.00 p.m	Nitish R. Mahapatra	unwanted angiogenesis in carcinogenesis The physiological anti-hypertensive peptide catestatin is a novel angiogenic factor
12.00-12.15 p.m	Zahid Ashraf	Platelet Proteome and Receptors: Relevance in Arterial and Venous Thrombosis
12:15-12-30 pm	Amitava Das	Therapeutic Angiogenesis in Tissue Regeneration
12:30-12:50 p.m	A. Ramachandran	To be announced
12.50- 12.55 p.m	Discussion	
12:55 -13:00 p.m	Closing Remarks by Suvro Chatterjee	
13.00-14.00p.m	Lunch	
14.00 p.m -	Valedictory function	
15.00 p.m.	<b>An afternoon trip to Mahabalipuram</b>	