

# 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:<br>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<br>The physiological anti-hypertensive peptide<br>catestatin is a novel angiogenic factor |
| 12.00-12.15 p.m  | Zahid Ashraf                              | Platelet Proteome and Receptors: Relevance in<br>Arterial and Venous Thrombosis   |
| 12:15-12-30 pm   | Amitava Das                               | Therapeutic Angiogenesis in Tissue<br>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> |   |