

# International Conference on Angiogenesis: Basics and Applications

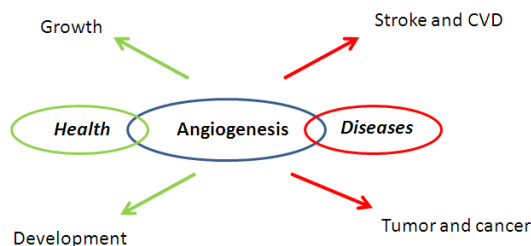
Chennai India  
March 1-3, 2012



**Organised by**  
Anna University - KBC Research Centre  
([www.au-kbc.org](http://www.au-kbc.org))  
Anna University Chennai  
India

## SIGNIFICANCE OF ANGIOGENESIS

Angiogenesis is the physiological process involving the growth of new blood vessels from pre-existing vessels. It is a normal and vital process in growth and development, as well as in wound healing and in granulation tissue. Angiogenesis is also a fundamental step in the transition of tumors from a dormant state to a malignant one. Therefore it is one of the highly sought research areas in the field of today's Translational Biomedical Research.



## CONFERENCE OBJECTIVES

The main goal of the conference is to bring together basic science and clinical experts in the field of angiogenesis and allied areas from India and abroad to brainstorm into basic biology and application research in angiogenesis. Globally the conference will highlight some of the promising and "hot" research focuses in Basic Science, Translational Research and Current status of Drug development in the area of angiogenesis and allied fields.

The expectation is that the conference will help create serious interest in research in angiogenesis in this region, and lead to the establishment of a strong *Angiogenesis Network/Platform* in India, bringing together leading national and international experts and agencies in the field.

## CALL FOR PAPERS

Abstracts based on original research not exceeding 300 words on any one of the themes mentioned should be sent to the Convener on or before 30<sup>th</sup> January 2012. Accepted abstracts will be intimated by 31<sup>th</sup> January 2012 and will be published in the pre-conference Abstract volume and will be available to the registered delegates.

For submission details see: <http://au-kbc.org/bioworkshop/papers>

## REGISTRATION

The delegates are requested to register by sending their registration fee as below on or before 16<sup>th</sup> Feb. 2012 through Demand Draft or through Net banking.

University Delegate:	Rs. 2500/-
Industry Delegate:	Rs. 5000/-
Student Delegate:	Rs. 1500/-
Foreign Delegates:	US\$ 300/-
Spot Registration:	Rs. 3500/-

For payment details see : <http://au-kbc.org/angiocon/register>

## ACCOMMODATION

Limited accommodation will be arranged on payment basis in the University Guest House and locally available Institutional Guest Houses, Hotels/ Lodges based on advance payment. The charges for single and double bed rooms vary from Rs.500/- to 8000/- per day for all the above categories. Delegates are requested to convey their commitments for the type of accommodation and food at the earliest to the organizer.

## Important Dates:

- Abstracts Communication: Closed
- Early Bird Registration: Closed
- Abstracts Acceptance: Closed
- Registration: 16<sup>th</sup> February, 2012

## MAIN THEMES

- Role of angiogenesis in different pathological situations.
- Trends in the molecular pathways research in angiogenesis.
- Angiogenesis as a target for future cancer and stroke therapy.
- Building an Indian Angiogenesis Network/Platform.

## MAIN EVENTS

- Keynote speeches and Invited oral presentations
- Oral presentations based on selected abstracts
- Poster presentation of selected abstracts
- Interaction Session among young researchers and senior scientists
- Session with Industry
- Session on forming a national Angiogenesis research network/platform

## KEY SPEAKERS (PARTIAL LIST)

- Elisabetta Dejana, IFOM-IEO, Italy
- Edward Plow, Lerner Research Institute, Cleveland
- Debabrata Mukhopadhyay, Mayo Clinic, Rochester
- Christopher G. Kevil, Louisiana State University
- Valentin Djonov, University of Bern
- Vijay Shah, Mayo Clinic, Rochester
- David D. Roberts, NIH, Bethesda
- J.F. Dufour, University of Bern
- Ramani Ramchandran, The Medical College of Wisconsin
- Ge Ruowen, National University of Singapore
- Madhu Dixit, CDRI, Lucknow
- Gopal C Kundu, NCCS, Pune
- Madhulika Dikshit, IIT Madras
- Chittaranjan Patra, IICT, Hyderabad
- Suvro Chatterjee, AU-KBC Research Centre

## ORGANISERS

### Conference Patrons:

- Prof. P Mannar Jawahar, Vice Chancellor, Anna University Chennai
- Dr. V. M. Katoch, Director General, ICMR, New Delhi

### Organising Committee (Partial list)

- Suvro Chatterjee, AU-KBC Research Centre, India
- Christopher G. Kevil, Louisiana State University, USA
- J F Dufour, University of Bern, Switzerland
- Debabrata Mukhopadhyay, Mayo Clinic, Rochester, USA
- C N Krishnan, AU-KBC Research Centre, India
- M D Nair, Pharma Consultant, Chennai, India

## ABOUT CHENNAI

Chennai (earlier known as Madras), Lat.13 N and Long.80E, is the capital of the Indian state of the Tamil Nadu, and with an area of about 175 sq.km, it is one of the fastest growing cities in the world. It is a port city on the Bay of Bengal that is about 400 years old, and is famous for the Marina Beach that is perhaps the longest beach in the world!

Chennai has a tropical climate and is hot and humid most of the year except during Nov– Feb, when the maximum temperatures do not generally go beyond 30-32°C (85 –90 °F). Early March maximum temperatures would be in the above range, and would be beginning to get warm, but still comfortable.



Marina beach



Shore temple



## ABOUT AU-KBC RESEARCH CENTRE

The AU-KBC (Anna University – K B Chandrasekhar) Research Centre ([www.au-kbc.org](http://www.au-kbc.org)) in Anna University Chennai was set up in 1999 as a joint effort between the University and one of its alumni Dr. K. B. Chandrasekhar, a global entrepreneur and technology investor based in the USA. A pioneering initiative in Public-Private-Partnership (PPP) in Indian R&D, the AU-KBC Centre works with a unique model of being a part of an “Innovation Ecosystem” that connects research to markets and users. The Centre works in the broad areas of Life Sciences (LS) and Information Sciences (IS) with a sharp focus on creation and commercialization of Intellectual Property (IP).

The **LS Division** presently has the following laboratories:

1. **Vascular biology laboratory:** Research here revolves around nitric oxide signaling in endothelial bed and vascular remodeling, and attempts to understand the role of nitric oxide signaling pathways in cellular migration, permeability and angiogenesis. The laboratory has contributed significantly to the understanding of nitric oxide implications in angiogenesis, and in addition to original research, it also carries out consultancy for leading Pharma companies.
2. **Ion channel Biology Laboratory:** Investigates the role of ion channels in various physiological mechanisms and pathological conditions.
3. **Liver Toxicology laboratory:** Works on elucidating the mechanisms by which hyperglycemia and alcoholism promote liver injury.
4. **Molecular Immunology Laboratory:** Studies on the altered immune responses at the interface of infectious diseases and metabolic disorders. Inflammation & immunity under conditions of diabetes & infectious diseases co-morbidities.
5. **Bioinformatics Laboratory:** Discovery and development focused on HDAC Inhibitors and Taxanes, augmentation of biotech products, tools and database development. Developed functional & comparative genomics and databases for whole genome analysis of microbes.

The LS Division has advanced facilities like Raman, AFM, Optical Tweezers, Patch-clamp, RT PCR, Live cell imaging, ROS and NO imaging, Z axis scanner, CAM and Zebra fish models of angiogenesis.

## Convener

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## Co-Convener

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## Co-Convener

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University of Bern  
Switzerland