

**Department of Biotechnology
Sri Venkateswara College of Engineering**

DBT, GOI, New Delhi Sponsored National Workshop on

**“Metabonomis - Analytical and Bioanalytical Methods on
Development of Biomarkers for Drug Discovery and
Safety”**



February 17th and 18th, 2017

Organized by

Department of Biotechnology
Sri Venkateswara College of Engineering
An Autonomous Institute - Affiliated to Anna University Chennai
1, Pennalur, Sriperumbudur Tk. Tamil Nadu 602117

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<p>National Workshop on METABONOMICS</p> <p><i>"Analytical and Bioanalytical Methods on Development of Biomarkers for Drug Discovery and Safety"</i></p> <p>February 17th and 18th, 2017</p> <p>REGISTRATION FORM</p>	<p>REGISTRATION FEE</p> <ul style="list-style-type: none"> • Students/ Research Scholars : Rs.500 • Faculty : Rs.750 • Industry Persons : Rs.1000 <p>Participants are requested to register with Cheque/DD in favor of "The Principal, SVCE" payable at Indian Bank, Sriperumbudur. Filled in registration forms along with the bonafide certificate should be emailed to metabonomics@svce.ac.in or sent by post to the following mailing address on or before 31st January, 2017. The Number of participants is limited to 60. Therefore, advance registration is highly recommended.</p> <p>MAILING ADDRESS Ms. S. Pandi Prabha Associate Professor Department of Biotechnology Sri Venkateswara College of Engineering (Autonomous) Pennalur, Sriperumbudur TK – 602 117 Tel: 044 – 27152000 Ext: 584 Mobile: 9884850485 Fax.No: 044- 27162462, 27162494 Email: metabonomics@svce.ac.in</p>	<p>National Workshop on METABONOMICS</p> <p><i>"Analytical and Bioanalytical Methods on Development of Biomarkers for Drug Discovery and Safety"</i></p> <p>Sponsored by DEPARTMENT OF BIOTECHNOLOGY GOI, NEW DELHI</p>  <p>Organized by DEPARTMENT OF BIOTECHNOLOGY SRI VENKATESWARA COLLEGE OF ENGINEERING (AUTONOMOUS)</p>  <p>Conveners Prof. M. Sivanandham Prof. E. Nakkeeran</p> <p>Organizing Secretary Ms. S. Pandi Prabha</p> <p>Coordinators Ms. N. Kanagam Ms. R. Rathna</p> <p>Sri Venkateswara College of Engineering Pennalur, Sriperumbudur TK - 602117 Tamil Nadu, India http://www.svce.ac.in</p>
<p>1. Name:</p> <p>2. Designation:</p> <p>3. Participant Category: (Student/ Faculty/Industry professionals)</p> <p>4. Name of the Institution/Organization:</p> <p>5. Address for Correspondence:</p> <p>6. Telephone No:</p> <p>7. E-mail ID:</p> <p>8. Academic Qualifications:</p> <p>9. Experience (in years): (Teaching / Research / Industry)</p> <p>10. Registration fee:</p> <p>Cheque/DD No: _____ Date: _____</p> <p>Declaration: I agree to abide by the rules and regulations of the workshop.</p> <p style="text-align: right;">Signature: _____</p> <p>BONAFIDE CERTIFICATE Dr./Mr./Ms. _____ is a bonafide staff/student of _____. She/He is permitted to attend the "National Workshop on "Analytical and Bio-analytical Methods on Development of Biomarkers for Drug Discovery and Safety" during 17th and 18th, February, 2017 at Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur Taluk, Tamil Nadu - 602 117.</p> <p>Date: _____ Signature _____ (Designation & Seal)</p>		

<p>ABOUT THE INSTITUTION Sri Venkateswara College of Engineering (SVCE), one of the premier technical Autonomous institutions in Tamil Nadu, was established in 1985. The College is situated on the Chennai – Bengaluru National Highway (NH4) about 37 km south-west of Chennai. The college offers 10 UG programmes and 10 PG programmes. The National Board of Accreditation accredited many of the eligible programmes, and SVCE is an ISO 9001:2008 certified institution.</p> <p>DEPARTMENT OF BIOTECHNOLOGY Sri Venkateswara College of Engineering noted the recent growth in Modern Industrial Biotechnology. In order to support the growth in biotechnology, SVCE started the Department of Biotechnology in 2005 under the guidance of our Chairman Dr. A.C. Muthiah, a well-known Industrialist who understands the strength of Industrial Biotechnology. The Department offers B.Tech and M.Tech Biotechnology programs under Anna University, Chennai, approved by AICTE. It is also approved as a Research Center in Biotechnology for MS (by Research) and Ph.D. programs by Anna University, Chennai. The Department has well established laboratory facilities namely Immunology, Instrumental Methods of Analysis, Genetic Engineering, Bioprocess, Research Labs, Animal house and Computational Systems Biotechnology Lab.</p>	<p>SCOPE / OUTCOME OF METABONOMICS Biomarker is a characteristic that is objectively measured and evaluated as an indicator of normal biological processes, pathogenic processes or pharmacological responses to a therapeutic intervention. The role of biomarkers in drug discovery and development has gained precedence over the years. As biomarkers become integrated into drug development and clinical trials, quality assurance and in particular assay validation becomes essential with the need to establish standardized guidelines for analytical methods used in biomarker measurements. The emergence of the field of bioanalysis in drug discovery and drug development is well understood and globally accepted. The aim of this workshop is to understand the current state-of-the art in the development of biomarkers, issues involved in their future development and its use. Further, this workshop also highlights the importance of the drug safety concept and its impact on patients' health.</p> <p>CALENDAR OF EVENTS Day 1 Invited talks by Dr. T. Madhan Mohan, Advisor, DBT, New Delhi.</p>	<p>Dr. K. Rajeshwari, Managing Director M/S. Bioklone Biotech Pvt. Ltd., Chennai.</p> <p>Hands on Experiments on</p> <ol style="list-style-type: none"> 1. Bioscreening technologies to find biomarkers in drug development 2. Evaluation and validation of biomarker assays <p>Day 2 Invited talk by Prof. M. Sivanandham Secretary, SVEHT, Chennai</p> <p>Hands on Experiments on</p> <ol style="list-style-type: none"> 1. Determination of role of biomarkers in drug safety and toxicity 2. Immunoassays for Biomarker identification 3. Assessment of liver and kidney functions using biomarkers <p>VENUE AND DURATION This two day National Workshop is organized at Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu, India during 17th and 18th February, 2017.</p> <p>TRANSPORTATION FACILITY The participants can avail the SVCE bus facility to attend this workshop. Refer www.svce.ac.in for bus route details.</p> <p>ACCOMMODATION Participants are requested to make their own arrangements for accommodation in nearby hotels at Sriperumbudur, Tamil Nadu.</p>
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National Workshop on

METABONOMICS



“Analytical and Bioanalytical Methods on Development of Biomarkers for Drug Discovery and Safety”

Sponsored by
Department of Biotechnology
GOI, New Delhi

Organized by
Department of Biotechnology
Sri Venkateswara College of Engineering
Sriperumbudur TK - 602117

Programme Schedule

17 th February, 2017	
Time	Events
08.00 – 09.00 AM	Registration
09.00 - 09.05 AM	Prayer Song
09.05 - 09.20 AM	Welcome address by Prof. E. Nakkeeran, Ph. D Professor & Head Department of Biotechnology Sri Venkateswara College of Engineering
09.20 - 09.30 AM	Patron's Address by Prof. S. Ganesh Vaidyanathan, Ph. D Principal Sri Venkateswara College of Engineering
09.30 – 10.20 AM	Chief Patron's Address by Prof. M. Sivanandham, Ph. D Secretary Sri Venkateswara Educational & Health Trust, Chennai
10.20 – 10.25 AM	Introducing the Chief guest
10.25 – 10.35 AM	Inauguration and Release of Workshop Manual by the chief guest Dr. K. Rajeshwari Managing Director Bioklone Biotech Private Ltd, Chennai

10.35 -10.50 AM	Tea Break
10.50 – 11.45 AM	Keynote Address on “Biomarkers in diagnosis and therapy” by Dr. K. Rajeshwari Managing Director Bioklone Biotech Private Ltd, Chennai
11.45 AM – 12.45 PM	Lunch Break
	Hands on Sessions 150 minutes for 2 sessions: 75 Minutes/Session 30 Participants /Session
12.45 – 02.00 PM	Hands on Session – I Bioscreening technologies to find biomarkers in drug development
02.00 - 03.15 PM	Hands on Session – II Evaluation and validation Biomarker assays
18th February, 2017	
Time	Events
08.30 - 10.00 AM	Hands on Session – III Determination of role of biomarkers in drug safety and toxicity
10.00 – 11.30 AM	Hands on Session – IV Immunoassays for Biomarker identification
11.30 - 11.40 AM	Tea Break
11.40 AM – 01.00 PM	Hands on Session – V Assessment of liver and kidney functions using biomarkers
01.00 - 02.00 PM	Lunch Break
02.00 – 02.10 PM	Introducing the Chief guest
02.10 – 2.30 PM	Valedictory address by Prof. S. Ganesh Vaidyanathan, Ph. D Principal Sri Venkateswara College of Engineering
02.30 - 02.45 PM	Certificate distribution to the participants by the Chief guest
02.45 – 03.00 PM	Feedback from the participants
03.00 - 03.10 PM	Vote of Thanks
03.10 - 03.15 PM	NATIONAL ANTHEM

<p style="text-align: center;">Department of Biotechnology Sri Venkateswara College of Engineering DBT, GOI, New Delhi Sponsored National Workshop on “Metabonomis - Analytical and Bioanalytical Methods on Development of Biomarkers for Drug Discovery and Safety” during February 17th and 18th, 2017</p>					
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SRI VENKATESWARA COLLEGE OF ENGINEERING

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DEPARTMENT OF BIOTECHNOLOGY



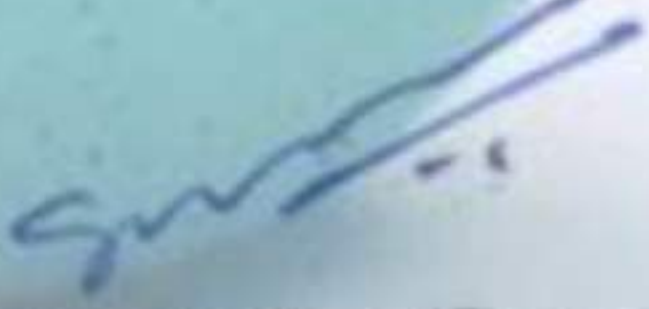
METABONOMICS

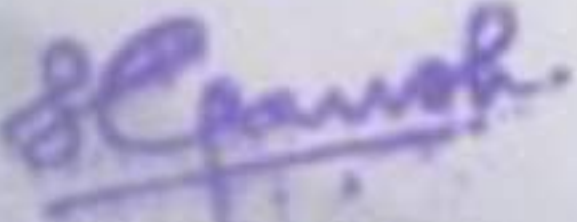
"National Workshop on Analytical and Bioanalytical Methods on
Development of Biomarkers for Drug Discovery and Safety"

CERTIFICATE OF PARTICIPATION

This is to Certify that Prof./Dr./Mr./Ms. C. KARTHIK
of St. JOSEPH'S COLLEGE OF ENGINEERING has actively participated
in the "National workshop on Metabonomics - Analytical and Bioanalytical Methods on
Development of Biomarkers for Drug Discovery and Safety" organized by the Department
of Biotechnology, Sri Venkateswara College of Engineering and sponsored by
Department of Biotechnology, GOI, New Delhi held on February 17th - 18th, 2017.


Organizing Secretary
Ms. S. Pandi Prabha


Head of the Department
Prof. E. Nakkeeran


Principal
Prof. S. Ganesh Vaidyanathan

National Workshop on Metabonomics on 17th and 18th February 2017 at SVCE, Sriperumbudur Tk.



Metabonomics - Inauguration



Talk by Dr. K. Rajeshwari, Bioklone Pvt. Ltd.



Talk by Dr. K. Rajeshwari, Bioklone Pvt. Ltd.



Hands on Session on Bioscreening Technologies



Hands on Session on Validation of Assays



Hands on Session on Enzymatic Assays



Group Photo with Participants of Metabonomics and Faculty members of the Department, SVCE



**Report of National Workshop on
“Metabonomics - Analytical and Bioanalytical Methods on Development of Biomarkers for
Drug Discovery and Safety” held on 17th & 18th February 2017**

The Department of Biotechnology, SVCE conducted the National Workshop on ‘Metabonomics - Analytical and Bioanalytical Methods on Development of Biomarkers for Drug Discovery and Safety’ sponsored by DBT - New Delhi on 17th & 18th February 2017.

The registration was started at 8.30 am on 17th February 2017. Totally **60** external participants registered for this National workshop from various colleges in Tamil Nadu. The inaugural function was started with a prayer song at 9.00 AM. Prof. E. Nakkeeran, Head of the Department of Biotechnology, Sri Venkateswara College of Engineering gave a welcome address and it was preceded by Patron’s address by Prof. S. Ganesh Vaidyanathan, Principal, Sri Venkateswara College of Engineering and Chief Patron’s address by our honorable Secretary, Prof. M. Sivanandham, Sri Venkateswara Educational & Health Trust.

The Organizing Secretary, Ms. S. Pandi Prabha, Associate Professor, Department of Biotechnology introduced the chief guest, Dr. K. Rajeshwari, Managing Director, Bioklone Biotech Private Ltd, Chennai for the inaugural function. The inaugural function was started with lighting the lamp and the workshop manual was released by the chief guest. She gave an inaugural address and a technical talk on Biomarkers in diagnosis and therapy”.

After the technical talk on morning session, the participants were served with lunch. After the lunch break, hands on training on “Bioscreening technologies to find biomarkers in drug development” and “Evaluation and Validation of Biomarker assays” started at 12.45 PM. The above two training were given to the participants as parallel sessions by two faculty members of Department of Biotechnology and the hands on training were completed at 3.20 PM.

On 18th February 2017, hands on training on “Determination of role of biomarkers in drug safety and toxicity” and “Immunoassays for Biomarker identification” were started in the morning as parallel sessions by other two department faculty members. After the tea break, the hands on training on “Assessment of liver and kidney functions using biomarkers” were given to the participants as two batches.

After the training session, the valedictory function started at 2.00 PM. For valedictory address, Prof. S. Ganesh Vaidyanathan, Principal, Sri Venkateswara College of Engineering, Sriperumbudur was invited as the chief guest. He gave a brief valedictory address on the current

trends about biomarkers. After his valedictory address, the feedbacks from the participants were received both orally and in written through the forums about technical sessions and hands trainings on two days. The certificates were distributed to the participants. Prof. E. Nakkeeran, Head of the Department of Biotechnology delivered a vote of thanks. He whole heartedly thanked DBT, New Delhi for the financial grant sanctioned to organize this workshop successfully. He also thanked the college management for their encouragement and the participants for their keen interest to participate in this workshop. The programme was ended with National Anthem by 3.30 PM. The photo session was arranged for the participants along with resource person and faculty members of the Department.

Sixty students and faculty members were participated in providing feedback analysis for the National Workshop on “Metabonomics - Analytical and Bioanalytical Methods on Development of Biomarkers for Drug Discovery and Safety” based on the following criteria for the rating:

5: Outstanding 4: Very Good 3: Good 2: Satisfactory 1: Poor

Average Rating

Lecture Content	4.16
Knowledge on the topics	4.16
Appropriateness of content	3.96
Coverage of topics	3.94
Hands on experiment	3.96
Overall Assessment	4.12



Organizing Secretary



HOD/BT

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