



ALAGAPPA UNIVERSITY

(A State University Reaccredited with 'A' Grade by NAAC)

KARAIKUDI - 630 003, Tamil Nadu, India



8th National Symposium cum Workshop on

"Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [SBCADD'2016]

16th - 19th February, 2016

Organized by : Department of Bioinformatics

THEME OF SBCADD'2016

SBCADD'2016 takes this opportunity and considers it as a great privilege in inviting you all to the 8th National Symposium cum Workshop on the theme of "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" is going to be held on 16th - 19th February, 2016. It seeks to continue the good synergy obtained in the previous editions, providing a discussion platform for scientists, educators, industrialists and students about the latest innovations in the foundations, theories, models and applications for multi-disciplinary research encompassing of Molecular Biology, Structural Biology, Structural Bioinformatics, Computer Aided Drug Design and Pharmacogenomics. In recent years, Computational biology and medical informatics have been achieving tremendous unparalleled growth making this field to be the most vibrant research area that could aid in the acceleration of the development and discovery of new drugs against combating diseases enhancing the livelihood quality and life expectancy of the individuals. The aim of SBCADD'2016 is to create a friendly environment that could lead to the establishment or strengthening of scientific collaborations and exchanges among attendees, and therefore, participation at SBCADD'2016 would provide an excellent opportunity to keep up with the cutting-edge research in such enlightening topics mentioned above as this four day event will feature primary lectures, poster presentation and workshop that could enable the participants and academicians to make significant strides in the research. We cordially invite you all to submit abstract and participate in Symposium cum Workshop.

ABOUT THE UNIVERSITY

Alagappa University was established at Karaikudi, Tamil Nadu, India by the great philanthropist and educationist Padma Bhushan Dr. R.M. Alagappa Chettiar in 1985. Alagappa University is recognized by the UGC, Government of India and is accredited with "A" grade by NAAC. The University campus is shrouded with 440 acres wide invigorating with green environment with all potential academic activities. The post graduate and research departments in Science, Humanities and other disciplines in the Alagappa University offer more novel and innovative programmes through regular, distance and e-learning mode. Alagappa University educates nearly 0.1 million students every year especially in the rural and backward areas of Tamil Nadu. The motto of Alagappa University is to develop leadership in various disciplines through "EXCELLENCE IN ACTION".

ABOUT THE DEPARTMENT

Department of Bioinformatics was established in the year 2008, to facilitate the teaching and research in the interdisciplinary areas of Structural Biology, Structural Bioinformatics, Cheminformatics, Genomics and Proteomics to create an intellectual environment for interdisciplinary education and training. The department comprises of well experienced faculty members with diversified research interests and expertise in X-ray Crystallography, Molecular Modeling and Computer Aided Drug Design, Marine Biotechnology and Pharmacogenomics. The main research of the department focuses on computational and experimental techniques to study the interaction of small molecules with proteins and nucleic acids and to characterize their molecular mechanism towards the novel drug discovery for human diseases. Dynamic environment at department facilitates students to gain experience in Bioinformatics related fields through academic, industrial rotations and internship programs. The department has received research grants from various funding agencies like UGC, DBT, DST, CSIR, ICMR, New Delhi and TNSCST, Tamil Nadu. Department of Bioinformatics is offering a two year M.Sc., one year M.Phil., full-time Ph.D programme in Bioinformatics and one year UGC sponsored P.G. Diploma in Structural Pharmacogenomics.

SCIENTIFIC TOPICS

- + Small and Macromolecule X-ray Crystallography
- + Molecular Modeling and Pharmacoinformatics
- + QM/MM Calculation
- + Pharmacophore and ADME/ET Prediction
- + Free Energy Calculation Methods
- + De Novo Drug Design
- + Molecular Dynamics Simulation
- + Drug-Protein Interaction
- + Functional Genomics and Proteomics
- + Pharmacogenomics
- + Database Creation and Development
- + Structural Bioinformatics

PARTICIPANTS

Students, Research Scholars, Research Scientists and Faculty members from the Colleges, Universities, Institutes and Industries.

CALL FOR POSTER

The participants are requested to submit abstract on the theme of the symposium to the Organizing secretary on or before January 25th, 2016. The abstract should be sent to dbiconf@gmail.com. Kindly visit conference website (www.conf.bioinfoau.org/sbcadd'2016) for more information.

ADDRESS FOR COMMUNICATION

Dr. M. Karthikeyan

Assistant Professor

Organizing Secretary - SBCADD'2016

Department of Bioinformatics

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PROGRAMME COMMITTEE

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Alagappa University, Karaikudi

CONVENER

Dr. J. Jeyakanthan

Professor and Head

ORGANIZING SECRETARY

Dr. M. Karthikeyan

Assistant Professor

ORGANIZING COMMITTEE MEMBERS

Dr. Sanjeev Kumar Singh

Professor

Dr. RM. Vidhyavathi

Assistant Professor

LIST OF SPEAKERS

- + Dr. T. P. Singh, AIIMS, New Delhi
- + Dr. D. Velmurugan, University of Madras, Chennai
- + Dr. P. Gautam, Anna University, Chennai
- + Dr. Dinakar M. Salunke, ICGEB, New Delhi
- + Dr. N. Srinivasan, Indian Institute of Science, Bangalore
- + Dr. R. Sowdhamini, NCBS-TIFR, Bangalore
- + Dr. K. Sekar, Indian Institute of Science, Bangalore
- + Dr. D. Sundar, Indian Institute of Technology Delhi, New Delhi
- + Dr. Ritesh Kurekty, IGIB, New Delhi
- + Dr. Vikash Kumar Dubey, IITG, Guwahati
- + Dr. R. Malathi, University of Madras, Chennai
- + Dr. P. Karthe, University of Madras, Chennai
- + Dr. Bichitra K. Biswal, National Institute of Immunology, New Delhi
- + Dr. Naidu Subbarao, Jawaharlal Nehru University, New Delhi
- + Dr. M. Ravendran, Tamil Nadu Agricultural University, Coimbatore
- + Dr. A. Dinakara Rao, Pondicherry University, Puducherry
- + Dr. A. Anand, VIT University, Vellore
- + Dr. C J Chen, NSRRC, Taiwan
- + Dr. Thirumansel Kumarevel, RIKEN Harima Institute, Japan
- + Dr. J. Sivaraman, National University of Singapore, Singapore
- + Dr. Gerhard Gruber, Nanyang Technological University, Singapore
- + Dr. Ravikumar Muttineni, Schrödinger, USA

REGISTRATION

The participants are requested to send the duly filled in registration form along with registration fee on or before January 25th 2016. The demand draft should be drawn in favor of "The Organizing Secretary - SBCADD'2016" payable at Karaikudi.

SEE DETAILS

Students	: 2000
Faculty from Academic Institutions	: 3000
Faculty from Non-Academic Institutions/ Industries	: 5000

ACCOMMODATION

Request for accommodation should be sent to The Organizing Secretary at the earliest. The expenses for accommodation and food will be paid by participants. Lunch and Snacks will be provided by the Organizers. No TA/DA will be provided to the participants.

HOTELS AVAILABLE AT KARAIKUDI

Hotel Sattiguru Grand	: 04565 - 2304001
Golden Spring Hotel	: 04565 - 235521/23
Hotel Nachipatti Palace	: 04565 - 23077167
Hotel Subalaktshmi Palace	: 04565 - 232300
L. T. Lodge	: 04565 - 238792
M.R.M Lodge	: 04565 - 233796
Hotel Jagan	: 04565 - 227273/225446
SMS Lodge	: 04565 - 227741/3

HOW TO REACH ALAGAPPA UNIVERSITY

Train and Bus facilities are frequently available in Karaikudi. For further details please visit www.mustseendia.com/Karaikudi/how-to-reach

Sponsors

Alagappa University, Department of Biotechnology (DBT) & Schrödinger, USA

Venue : L. CT. L. Palaniappa Chettiar Memorial Auditorium & Department of Bioinformatics