

Agricultural Genomics Symposium

16th February, 2015, TNAU, Coimbatore, INDIA

Conference Hosts: SciGenom Research Foundation (SGRF) and Tamil Nadu Agricultural University (TNAU)



Program

09:30 - 10:00 - Conference Inauguration and SGRF scholarship handover

Chief Guest: Prof. K. Ramasamy, Vice Chancellor, TNAU, Coimbatore, India

Host: Dr. George Thomas

Session 1

Chair: Dr. George Thomas

10:00 - 10:45 - **Evolution of sequencing technologies and its applications**

Dr. Sekar Seshagiri, Genentech Inc., California, USA

10:45-11:00 – High Tea

Session 2

Chair: Dr. Maheswaran

11:00 - 11:30 - **Our Experience in Rice Genomics: Structure to Function**

Dr. Mohapatra, Director, CRRI, Cuttack, India

11:30 - 12:00 - **Genomics assisted breeding for resilience in crops: rice, a case study.**

Dr. R Chandra Babu, Tamil Nadu Agricultural University, Coimbatore, India.

12:00-12:30 - **Facts and Fallacies towards Genetics and Genomics of Plant Resistance to Biotic Stresses.**

Dr. Maheswaran, Director Research, Tamil Nadu Agricultural University, Coimbatore, India.

12:30-13:00 - **Growing to a shape and size: molecular mechanisms of leaf development.**

Dr. Utpal Nath, IISc, Bangalore, India

13:00-14:00 - LUNCH

Session 3

Chair: Dr. Murali Gopal

14:00-14:30 - **Genome Sequencing of Indian Diploid Cotton and Genetic Mapping of Fiber and Yield Traits using NextGen Sequencing.**

Dr. V. B. Reddy, SciGenom Labs, Hyderabad, India

14:30-15:00 - **Development of genetic markers for wood property traits in Eucalyptus using target enrichment and exome sequencing of candidate genes**

Dr. Modhumita Dasgupta, IFGTB, Coimbatore, India

15:00-15:30 - **break - Tea**

Session 4

Chair: Dr. V. B. Reddy

15:30-16:00 - **Nematode genomics for new generation management strategies**

Dr. Uma Rao, IARI, New Delhi, India

16:00-16:30 - **Extremely long reads to resolve complex plant genomes and to elucidate the full length transcript isoforms**

Dr. Bhaswar Maity, ILS, India

16:30 - 17:00 - **Sugarcane as a platform for molecular pharming.**

Dr. N. Subramonian, Former Principal Scientist, Sugarcane Breeding Institute, Coimbatore

17:00 - 17:30 - **NGS opens up new frontiers in microbial research**

Dr. Murali Gopal, Principal Scientist, CPCRI, Kasaragod, India

17:30-17:40 - **RiceVarDb - A platform for studying Oryza sativa variation from high-throughput data.**

Mr. Bipin Balan, IIT-M, Chennai, India (Student Short Talk)

17:40-17:50 - **Unravelling molecular basis of salinity tolerance in finger millet.**

Mr. Hifzur Rahman, TNAU, India (Student Short Talk)

17:50-18:00 – wrap up



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