

Funding

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Organisers

Areejit Samal (IMSc, Chennai)

V.R. Prabavathy (MSSRF, Chennai)

Jegan Sekar (MSSRF, Chennai)

G.N. Hariharan (MSSRF, Chennai)

Web Page



Computational workshop on Soil - Microbial - Plant Genomics

27 - 30 January 2025

Invited Speakers

Prof. Soumya Swaminathan
(Chairperson, MSSRF)

Prof. Aundy Kumar
(Principal Scientist, ICAR-IARI New Delhi)

Prof. Usha Vijayraghavan
(Dean Biological Sciences, IISc Bengaluru)

Prof. Smitta Srivastava
(Professor, IIT Madras)

Prof. Subhra Chakraborty
(Former Director, NIPGR New Delhi)

Prof. K. Ramu
(Scientist F, NCCR Chennai)

Prof. R. Sowdhamini
(Senior Professor, NCBS Bengaluru)

Prof. Ajit K. Shasany
(Director, CSIR-NBRI Lucknow)

Prof. Pradip Dey
(Director, ICAR-ATARI Kolkata)

Computational Course Instructor

Dr. Vipin Singh

Venue

Ramanujan Auditorium and ECG Sudarshan Hall
The Institute of Mathematical Sciences (IMSc)
Chennai, India

Sambasivan Auditorium,
M. S. Swaminathan Research Foundation (MSSRF)
Chennai, India



The Institute of Mathematical Sciences (IMSc), Chennai

and

M. S. Swaminathan Research Foundation (MSSRF), Chennai



M S Swaminathan
Research Foundation
SCIENCE FOR SUSTAINABLE DEVELOPMENT

Workshop Schedule

Monday, January 27, 2025

08:45 - 09:45	Registration	IMSc, Chennai
09:45 - 09:50	Prof. V. Ravindran <i>Welcome address</i>	Ramanujan Auditorium, IMSc Chennai
09:50 - 09:55	Prof. V.R. Prabavathy <i>Welcome address</i>	Ramanujan Auditorium, IMSc Chennai
09:55 - 10:35	Prof. Soumya Swaminathan <i>One Health: Research priorities</i>	Ramanujan Auditorium, IMSc Chennai
10:35 - 11:15	Prof. Subhra Chakraborty <i>Beyond a bird's eye view towards One Health: Demystifying proteogenomic landscape and organeller control of health to disease linking multi-host response</i>	Ramanujan Auditorium, IMSc Chennai
11:15 - 11:30	Coffee Break	IMSc, Chennai
11:30 - 12:10	Prof. Ajit Kumar Shasany <i>Internal Immunity and Secondary Metabolites</i>	Ramanujan Auditorium, IMSc Chennai
12:10 - 12:50	Prof. Pradip Dey <i>Managing soil health and food security through biointensive plant nutrient management strategies</i>	Ramanujan Auditorium, IMSc Chennai
12:50 - 14:00	Lunch Break	IMSc, Chennai
14:00 - 14:40	Prof. Usha Vijayraghavan <i>Genomics studies of rice floret development transcription factors unravels functional diversification of evolutionarily conserved regulators</i>	Ramanujan Auditorium, IMSc Chennai
14:40 - 15:20	Prof. R. Sowdhamini <i>How do plants defend against fungal attack? - early glimpse and future directions</i>	Ramanujan Auditorium, IMSc Chennai
15:20 - 16:00	Coffee Break	IMSc, Chennai
16:00 - 18:00	Dr. Vipin Singh <i>Computational Genomics Course - I</i>	ECG Sudarshan Hall, IMSc Chennai

Tuesday, January 28, 2025

09:30 - 11:00	Dr. Jegan Sekar <i>Hands on wet lab session - I</i>	MSSRF Chennai
11:00 - 11:15	Coffee Break	MSSRF, Chennai
11:15 - 12:45	Dr. Jegan Sekar <i>Hands on wet lab session - II</i>	MSSRF Chennai
12:45 - 14:00	Lunch Break	IMSc, Chennai
14:00 - 16:00	Dr. Vipin Singh <i>Computational Genomics Course - II</i>	ECG Sudarshan Hall, IMSc Chennai
16:00 - 16:15	Coffee Break	IMSc, Chennai
16:15 - 18:00	Dr. Vipin Singh <i>Computational Genomics Course - III</i>	ECG Sudarshan Hall, IMSc Chennai

Wednesday, January 29, 2025

09:30 - 11:00	Dr. Vipin Singh <i>Computational Genomics Course - IV</i>	ECG Sudarshan Hall, IMSc Chennai
11:00 - 11:15	Coffee Break	IMSc, Chennai
11:15 - 12:45	Dr. Vipin Singh <i>Computational Genomics Course - V</i>	ECG Sudarshan Hall, IMSc Chennai
12:45 - 14:00	Lunch Break	IMSc, Chennai
14:00 - 15:45	Dr. Vipin Singh <i>Computational Genomics Course - VI</i>	ECG Sudarshan Hall, IMSc Chennai
15:45 - 16:00	Coffee Break	IMSc, Chennai
16:00 - 18:00	Dr. Vipin Singh <i>Computational Genomics Course - VII</i>	ECG Sudarshan Hall, IMSc Chennai

Thursday, January 30, 2025

09:30 - 11:00	Dr. Vipin Singh <i>Computational Genomics Course - VIII</i>	ECG Sudarshan Hall, IMSc Chennai
11:00 - 11:15	Coffee Break	IMSc, Chennai
11:15 - 12:45	Dr. Vipin Singh <i>Computational Genomics Course - IX</i>	ECG Sudarshan Hall, IMSc Chennai
12:45 - 14:00	Lunch Break	IMSc, Chennai
14:15 - 14:45	Prof. Smita Srivastava <i>Rational metabolic engineering of Nothapodytes nimmoniana plant cells for enhanced production of Camptothecin</i>	Sambasivan Auditorium, MSSRF Chennai
14:45 - 15:15	Prof. K. Ramu <i>Genomic approach for characterization of microbial communities in coastal waters</i>	Sambasivan Auditorium, MSSRF Chennai
15:15 - 15:45	Coffee Break	MSSRF, Chennai
15:45 - 16:15	Prof. Aundy Kumar <i>Plant Microbiomes for climate resilient agriculture</i>	Sambasivan Auditorium, MSSRF Chennai
16:15 - 16:30	Closing & Valedictory Session	Sambasivan Auditorium, MSSRF Chennai