



सत्यमेव जयते
Department of Biotechnology
Government of India



BRIC-National Institute of Animal Biotechnology

(An Autonomous Institute of the Department of Biotechnology, Ministry of Science and
Technology, Government of India)



Dr. Lalji Singh Memorial Lecture

By

Prof. Vidyanand Nanjundiah

Indian Institute of Science, Bangalore

On

“Evolution without natural selection”

Date & Time

July 22, 2024, at 10.00 AM

VENUE

M. K. Bhan Auditorium

DBT-BRIC -NIAB

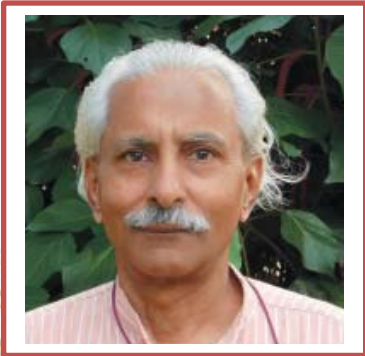
Programme



- 10:00 to 10:05 AM: Welcome note by
- 10:05 to 10:10 AM: Tribute to the late Dr. Lalji Singh by Dr. G. Taru Sharma, Director, NIAB & guests
- 10:10 to 10:15 AM: Introduction of Prof. Vidyanand Nanjundiah by
- 10:15 to 11:15 AM: Dr. Lalji Singh Memorial Lecture by Prof. Vidyanand Nanjundiah, IISc, Bangalore
- Title: “Evolution without natural selection”**
- 11:15 to 11:25 AM: Felicitation to Speaker by Director, NIAB
- 11:25 to 11:30 AM: Vote of thanks
- 11:30 AM onwards: High tea

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About the speaker



Prof. Vidyanand Nanjundiah
Professor, IISc, Bangalore

Prof. Nanjundiah's scientific contributions are in the areas of developmental biology, theoretical biology and evolution. They range over cell signalling, pattern formation, population genetics and social behaviour. He was involved in demonstrating that cyclic AMP is amplified and relayed during communication in the social amoeba *Dictyostelium discoideum*. He has shown that self-organisation via co-operative signalling can explain cell aggregation as well as the origin of multicellularity, and that kinship is unlikely to be important for the maintenance of cooperation in this system. Together with Sharat Chandra, he suggested that imprinting may have co-evolved with sex determination and gamete dimorphism. He has used genetic algorithms to model phenotypic plasticity and evolutionary change.

Prof. Vidyanand Nanjundiah earned his BSc degree (1967) from the University of Bombay and his PhD (1972) from the University of Chicago. He held post-doctoral positions at the Hubrecht Laboratorium Utrecht (1973), The Netherlands; Max-Planck-Institute Tubingen (1974-75), Germany; and Biozentrum (1975-76), Basel, Switzerland. He worked as Assistant Professor (1976-80) and Professor (1989-92) at the Centre for Theoretical Studies, Indian Institute of Science (IISc), Bangalore. He has been a member of the Molecular Biology Unit, Tata Institute of Fundamental Research, Bombay, Department of Molecular Reproduction, Development and Genetics and Centre for Ecological Sciences, Indian Institute of Science, Bangalore, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore. At present, he is an Honorary Professor at the Centre for Human Genetics, Bengaluru.

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