

PONDICHERRY UNIVERSITY DEPARTMENT OF STATISTICS

Ramanujan School of Mathematical Sciences

All Students, Research Scholars and Faculty Members are cordially invited for Special Lecture Program

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The Genesis of EM Algorithm: From Biology to Statistics

Delivered By

Prof. Saurabh Ghosh

Human Genetics Unit, Biological Sciences
Indian Statistical Institute, Kolkata

Schedule and Venue of the Program:

Date	Time	Venue
February 13, 2019	02:00 pm -03:30 pm	Seminar Hall
		Dep. of Statistics, RSMS, PU

Dr. Navin Chandra (Coordinator)

Dr. P. Tirupathi Rao (Convener and Head)

The Genesis of EM Algorithm: From Biology to Statistics

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ABSTRACT

The EM Algorithm proposed by Demoster, Laird and Rubin (1977) was motivated by the problem of estimation of allele frequencies from blood group data. In this talk, I shall discuss the genetic background and the statistical framework of this problem. I shall also discuss the use of the EM Algorithm in estimating parameters in other set-ups where there are "missing" data.