



MIG LECTURE SERIES

Cell Culture and Animal Models In Research



JOINTLY ORGANIZED BY



**MUMBAI IMMUNOLOGY GROUP
&
RAMNARAIN RUIA COLLEGE**

**DATE: 22ND JANUARY 2013
VENUE: RUIA COLLEGE, MATUNGA**

Coordinators

**Prof. S.V. Chiplunkar, ACTREC, Tata Memorial Centre
&**

Ms. Urmi Palan, Assoc. Prof. Ruia College

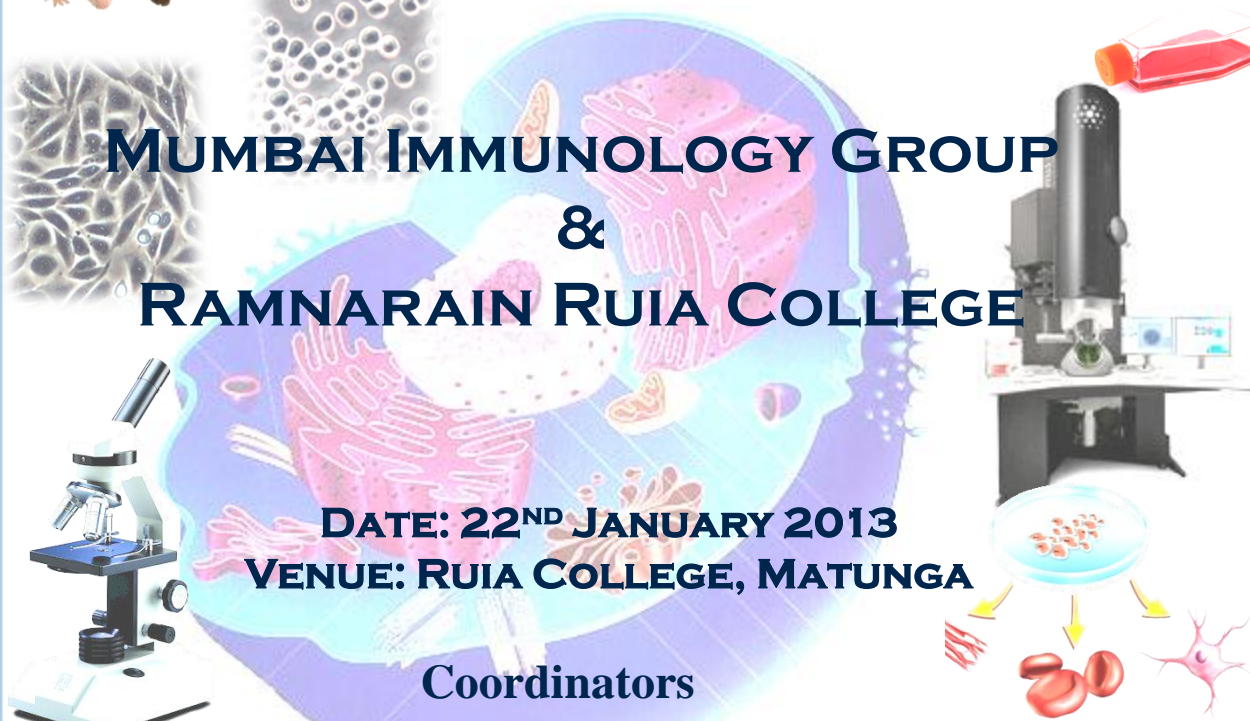
Speakers

Prof. S.V. Chiplunkar

Dr. J. Kode

Dr. R. Gude

Mrs. S. Sawant



Program

2.00pm-2.15pm

Introduction & Felicitation of Essay Award winners
Secretary, MIG
Coordinator, Ruia College

2.15pm-3.00pm

Lecture I

3.00pm-3.45pm

Lecture II

3.45pm-4.00pm

Tea break

4.00pm-4.45pm

Lecture III

4.45pm-5.30pm

Lecture IV

Lecture I : Prof S.V. Chiplunkar

Cell Culture – Principles & Practices

- * Primary culture and established cell lines
- * Growth and maintenance of cell lines.
- * Monitoring cell growth
- * 2D and 3D cultures
- * Cell repositories

Lecture II : Mrs Sharda Sawant

Principles and Practical aspects of Transmission Electron Microscope

- * Principles of light microscopy & Electron Microscopy
- * Components and function of Electron Microscope
- * Processing of samples for Electron Microscopy
- * Advances in Transmission Electron Microscopy
- * Biological Applications.

Lecture III : Dr Jyoti Kode

Propagation and Maintenance of Stem Cells

- * Types of stem cells
- * Isolation of stem cells
- * Characterization of stem cells
- * Culturing of stem cells
- * Applications of Hematopoietic & Mesenchymal Stem cells

Lecture IV: Dr Rajiv Gude

Applications of animal models in research

- * Introduction to animal models
- * Routes of drug administration/immunization
- * Histopathology
- * Drug pharmacokinetics
- * Toxicity studies

Registration is mandatory and should be done before 19th January, 2013. You may write your name, designation, affiliation and other contact details to the event coordinator Ms Palan at urmipalan@yahoo.com; mobile 9820753076.

Registration Fee ₹100/ (To be paid before the event)