

Rediscovering Genetics A Laboratory Manual

"This is a very good student-friendly manual and I strongly recommend for its publication. I praise the efforts of the authors for bringing out such a manual for which nobody thought earlier."

— **Dr. Jagat Kumar Roy**

Cytogenetics Lab, Banaras Hindu University, India

"This manual combines the study of the most crucial theoretical aspects in *Drosophila* genetics, discussing a wide spectrum of methods used in the field. Overall, the book is written in a very clear way. It has a consistent and clear structure and the figures and pictures presented are of good quality. I strongly recommend and support the publication of this manual."

— **Dr. Hector Herranz**

Associate Professor, Department of Cellular and Molecular Medicine, University of Copenhagen, Denmark

Genetics is taught in all life science related disciplines at the undergraduate level. This laboratory manual meant for beginners is an outcome of the authors' attempt made in the last three years (2012-15) of designing experiments to teach the principles of transmission genetics using *Drosophila* as a model system. The purpose of *Drosophila* Resource Centre was to demonstrate the ease of learning genetics through experimentation. Wherever required the existing approaches have also complemented the new effort.

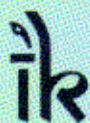
The experiments are designed to teach the basic principles of genetics in a one-semester course. More than 90% of the exercises were conducted using a handful of *Drosophila* mutants. Most of the exercises are organized in a similar fashion covering 6-8 pages. Each exercise provides background information with supporting examples from literature; protocol; observations and calculations (if any) and finally results and discussion.

Salient Features:

- It will bridge the existing gap generally faced in teaching genetics.
- It is user friendly. Students can independently initiate crosses, analyze and interpret the underlying genetic principle.
- The manual will serve as a starting point for those who wish to teach genetics through experimentation.
- Each exercise discusses actual data generated by students in the past three years.

Dr. Sunita Joshi is Associate Professor, Department of Biochemistry, Daulat Ram College, University of Delhi.

Dr. Neeru Dhamija is Assistant Professor, Department of Biochemistry, Daulat Ram College, University of Delhi.



I.K. International Publishing House Pvt. Ltd.

S-25, Green Park Extension, Uphaar Cinema Market
New Delhi-110016, India • E-mail: info@ikinternational.com

₹ 695.00



www.ikbooks.com