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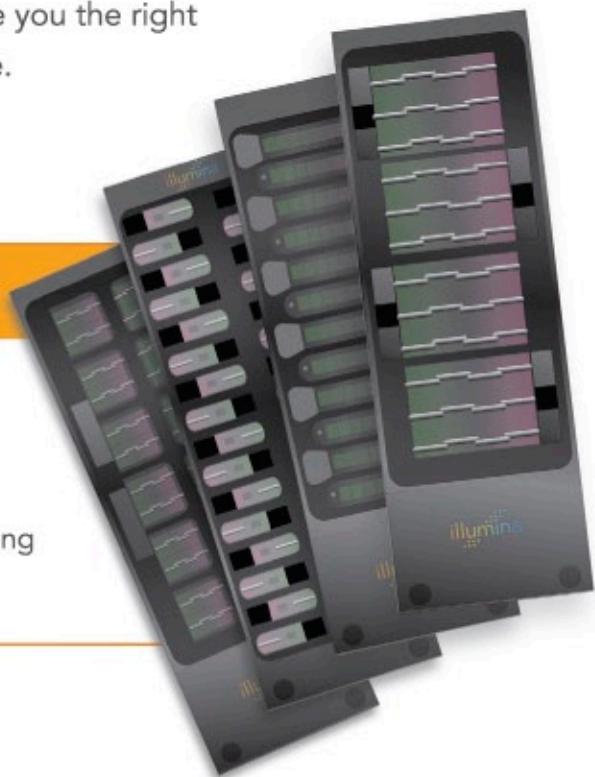
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18–27 April

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9–15 May

Functional Genomics and Systems Biology

16–25 June

Molecular Neurology and Neuropathology

19–26 June

Practical Aspects of Small Molecule Drug Discovery

4–9 July

Next Generation Sequencing

18–24 July

Human Genome Analysis: Genetic Analysis of Multifactorial Diseases

21–27 July

Design and Analysis of Genetic-based Association Studies

23–27 August

WORKSHOPS

Working with the Human Genome Sequence

10–12 May

Proteomics Bioinformatics

12–18 December

OVERSEAS COURSES

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28 February–6 March

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Bangkok, Thailand

29 August–4 September

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10–14 February

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1–3 March

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Training workshop 17–18 March

Conference 18–19 March

Genomic Disorders

24–27 March

The Evolutionary Biology of *Caenorhabditis* and Other Nematodes

6–9 June

Genomics of Malaria Epidemiology

9–13 June

EBI-Wellcome Trust Bioinformatics Summer School

14–18 June

Sub Nuclear Structures and Disease

27–30 July

Systems Biology: Networks

11–15 August

Wellcome Trust School of Human Genomics

22–26 August

16th Meeting of the European Society for Pigment Cell Research

4–7 September

Signalling to Chromatin

8–11 September

Infectious Disease Genomics & Global Health

12–15 September

Genome Informatics

15–19 September

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22–25 September

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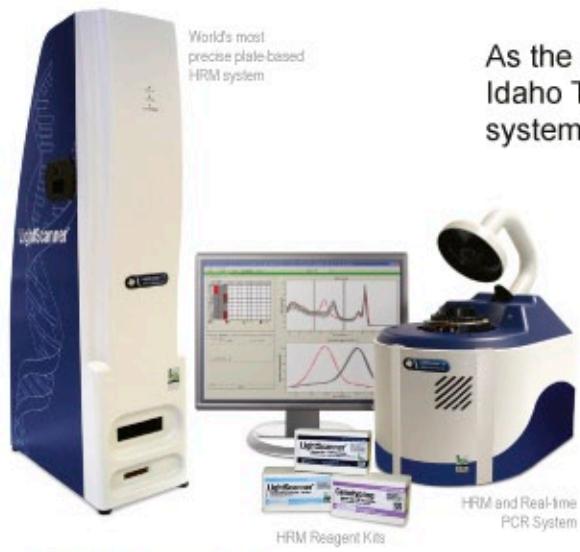
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Statistics at the Bench

A Step-by-Step Handbook for Biologists

Statistics at the Bench

A Step-by-Step Handbook for Biologists



M. Bremer and R.W. Doerge

By Martina Bremer, *Department of Mathematics, San Jose State University, California*, and
Rebecca W. Doerge, *Department of Statistics and Agronomy, Purdue University, Indiana*

Statistics at the Bench is a convenient bench-side companion for biologists, designed as a handy reference guide for elementary and intermediate statistical analyses. The expectations for biologists to have a more complete understanding of statistics are growing rapidly. New technologies and new areas of science, such as microarrays, next-generation sequencing, and proteomics, have dramatically increased the need for quantitative reasoning among biologists when designing experiments and interpreting results. Even the most routine informatics tools rely on statistical assumptions and methods that need to be appreciated if the scientific results are to be correct, understood, and exploited fully.

This book is not a textbook. It is a hands-on manual for working scientists. *Statistics at the Bench* provides a simple refresher for those who have forgotten what they once knew, and an overview for those wishing to use more quantitative reasoning in their research. Statistical methods, as well as guidelines for the interpretation of results, are explained using simple examples. Throughout the book, examples are accompanied by detailed Excel commands for easy reference.

Published in December 2009, 167 pp., illus., indexes

Concealed wire binding \$59

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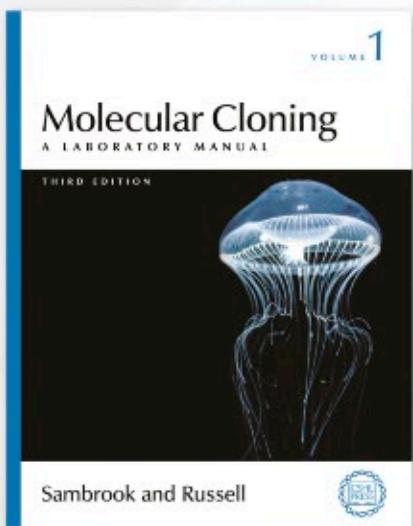
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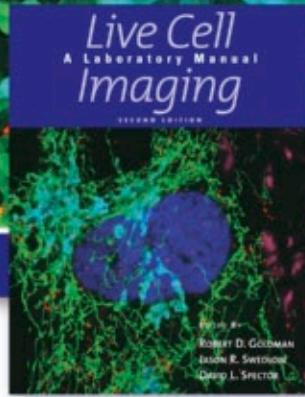
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Live Cell Imaging

A Laboratory Manual

Second Edition

Edited by Robert D. Goldman, *Feinberg School of Medicine Northwestern University*; Jason R. Swedlow, *The University of Dundee*; and David L. Spector, *Cold Spring Harbor Laboratory*

The second edition of *Live Cell Imaging: A Laboratory Manual* expands upon and extends the collection of established and evolving methods for studying dynamic changes in living cells and organisms presented in the well-known first edition. There are 16 new chapters and the 21 updated chapters in this new edition. They include advances in atomic force microscopy, structured illumination microscopy and other 3-D approaches, as well as imaging in single cells in animals and in plants. New analytical options include live high-throughput/high-content screening in mammalian cells and computational analysis of live cell data. The manual presents hands-on techniques as well as background material, and can serve as a text in advanced courses. The first section covers principles and fundamental issues of detection and imaging; the second provides detailed protocols for imaging live systems.

Due December 2009, 750 pp. (approx.), illus., appendix, index

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51st Annual Drosophila Research Conference

April 7 – 11 • Washington, D.C.

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52nd Annual Drosophila Research Conference

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Function & Disease (new!)
Cell Death Pathways: Apoptosis, Autophagy & Necrosis
Metabolism & Cancer Progression (new!)
Receptors and Signaling in Plant Development & Biotic Interactions
HIV Vaccines
Viral Immunity
Nuclear Receptors: Signaling, Gene Regulation & Cancer
Nuclear Receptors: Development, Physiology & Disease
New Paradigms in Cancer Therapeutics
Integration of Developmental Signaling Pathways

April 2010

G Protein-Coupled Receptors
Dynamics of Eukaryotic Transcription During Development
Synapses: Formation, Function & Misfunction
Towards Defining the Pathophysiology of Autistic Behavior
Malaria: New Approaches to Understanding Host-Parasite Interactions
Molecular Targets for Control of Vector-Borne Diseases: Bridging Lab & Field Research
Islet Biology
Diabetes
Computer-Aided Drug Design
New Directions in Small Molecule Drug Discovery (new!)
Developmental Origins & Epigenesis in Human Health and Disease (new!)

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