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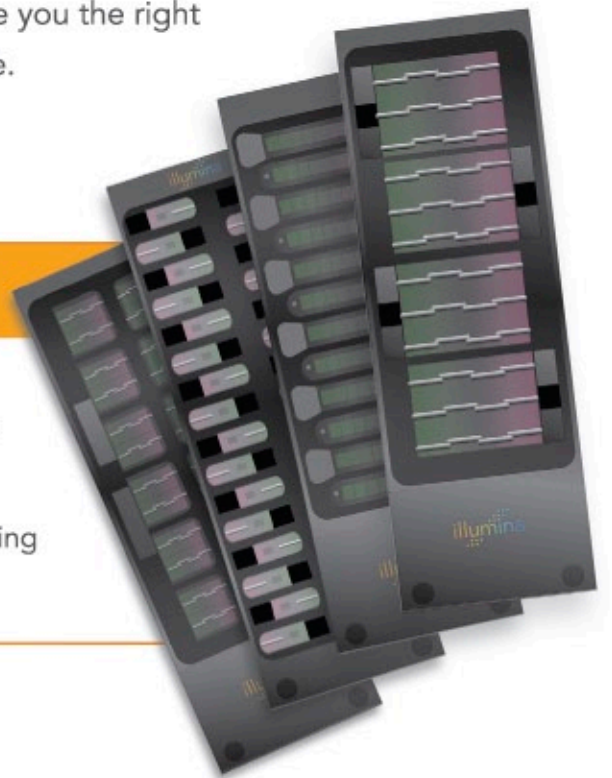
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Virus Discovery in the Clinical Setting

7–12 March

Technologies and Applications for Genome Analysis

18–27 April

Molecular Basis of Bacterial Infection: Basic & Applied Research Approaches

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

Working with Pathogen Genomes

Ho Chi Minh City, Vietnam

28 February–6 March

Genomic Epidemiology of Malaria

Bangkok, Thailand

29 August–4 September

SCIENTIFIC CONFERENCES 2010

Computational Cell Biology

10–14 February

Therapeutic Applications of Computational Biology and Chemistry: TACBAC

1–3 March

Perspectives in Clinical Proteomics

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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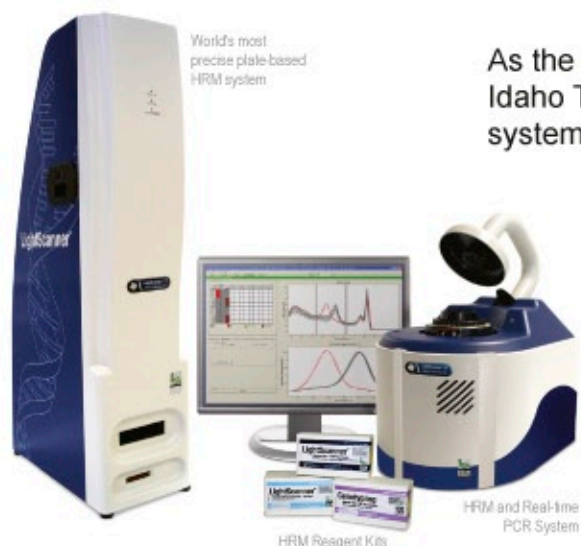
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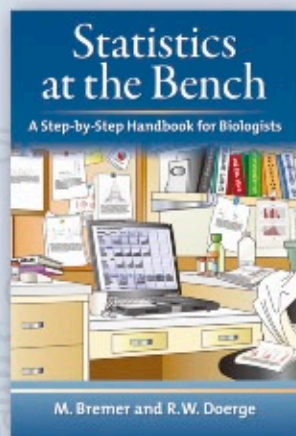
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Statistics at the Bench

A Step-by-Step Handbook for Biologists



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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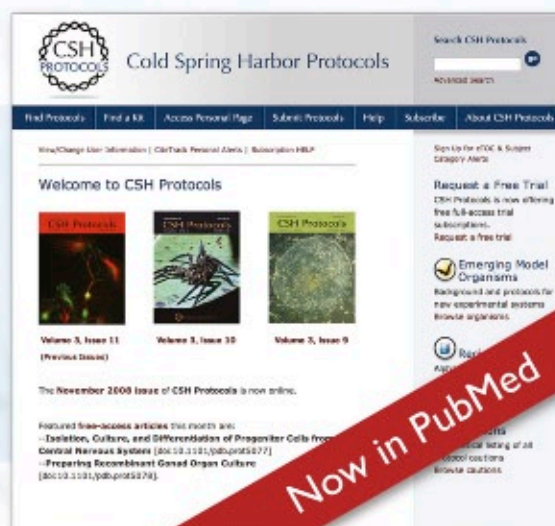
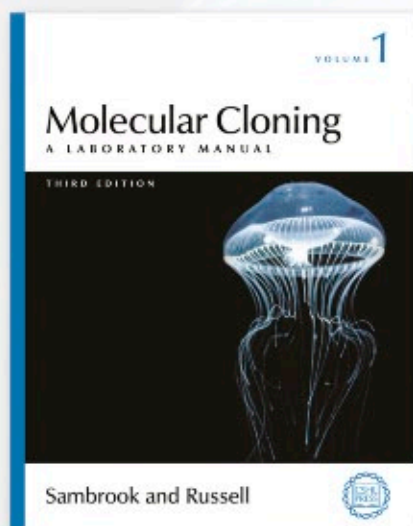
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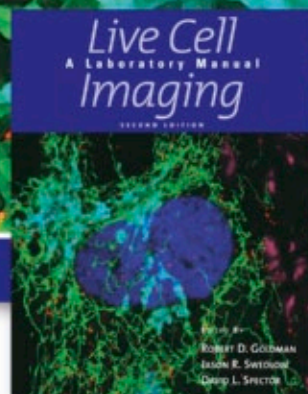
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Live Cell Imaging

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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**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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