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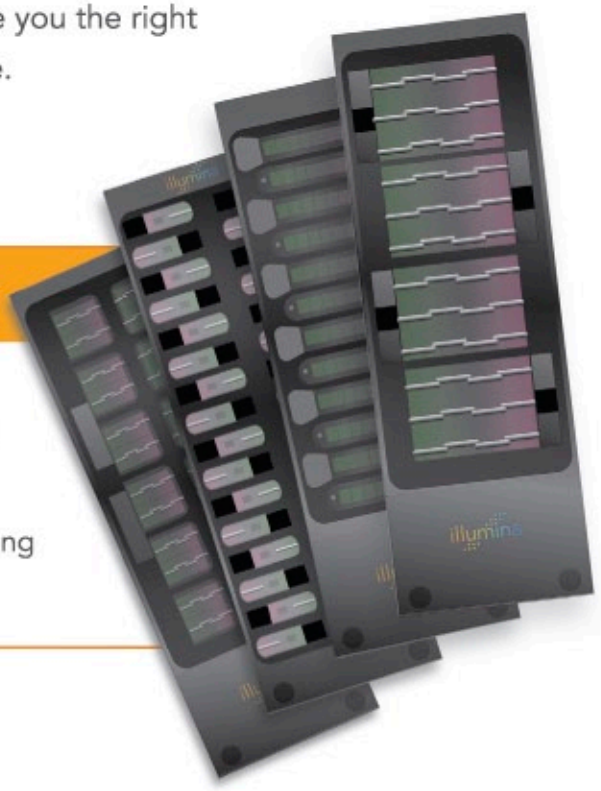

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Mathematical Models for Infectious Disease Dynamics
15–26 February

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

RNAP2010 - Structure, function and evolution of RNA polymerases
22–25 September

Bridging the Gap on Biomedical Genetics
27–29 October

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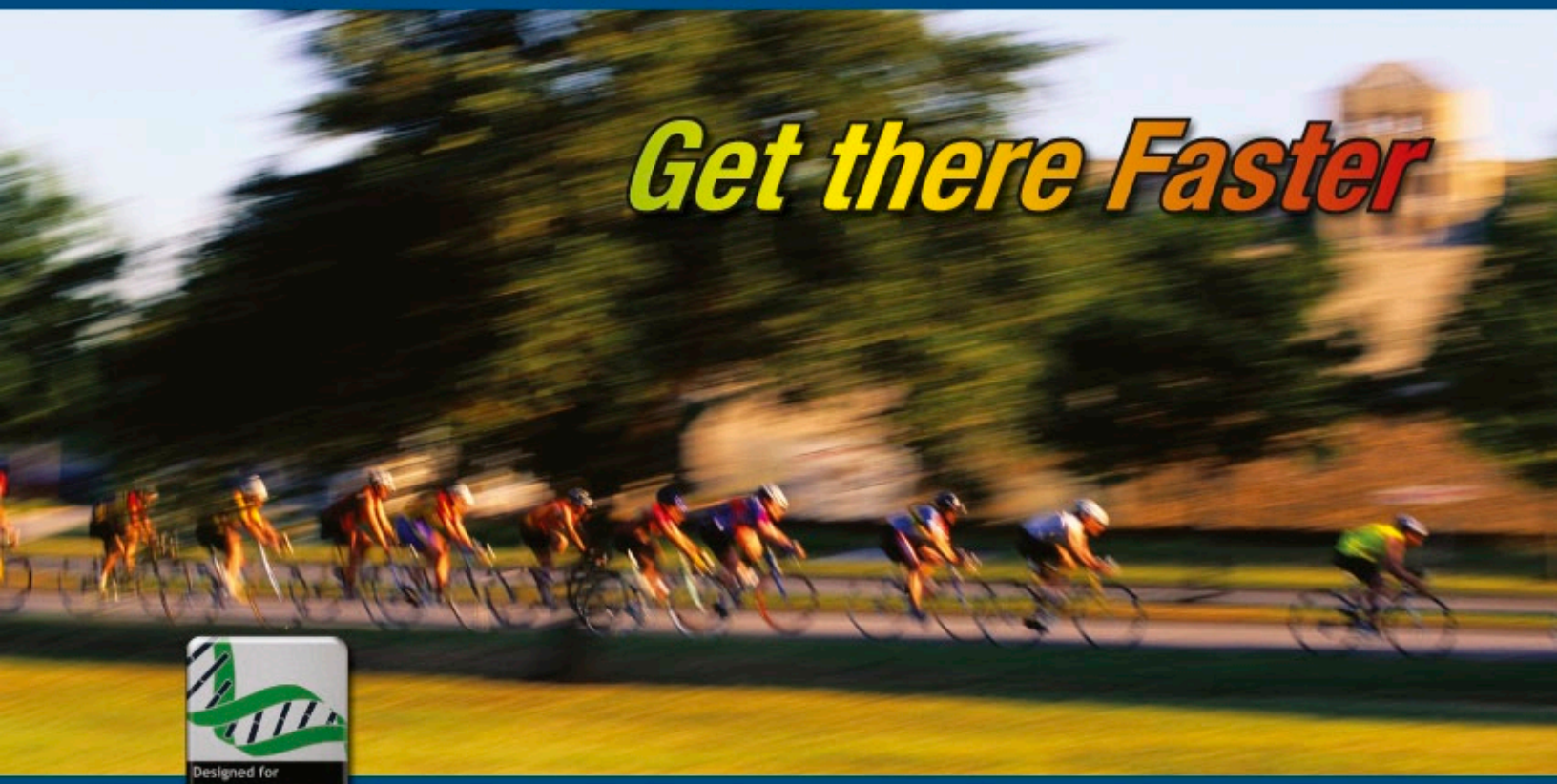

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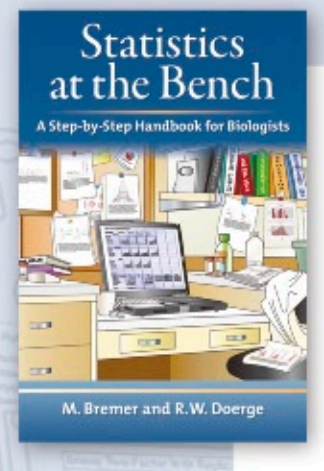
A Step-by-Step Handbook for Biologists



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
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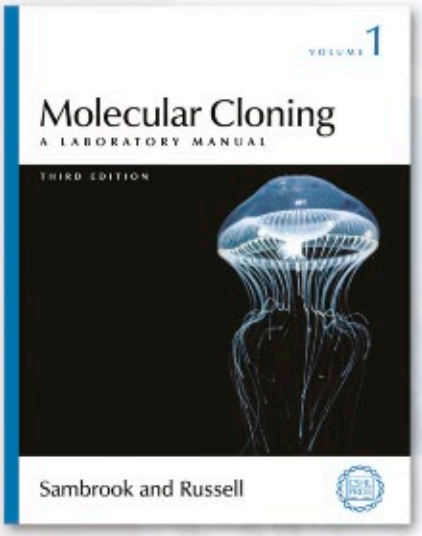

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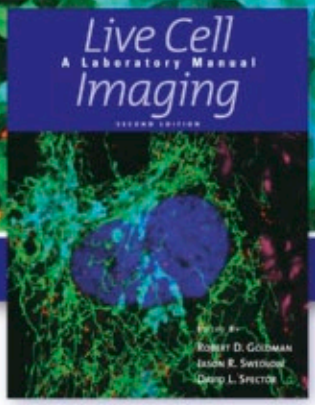

Live Cell Imaging

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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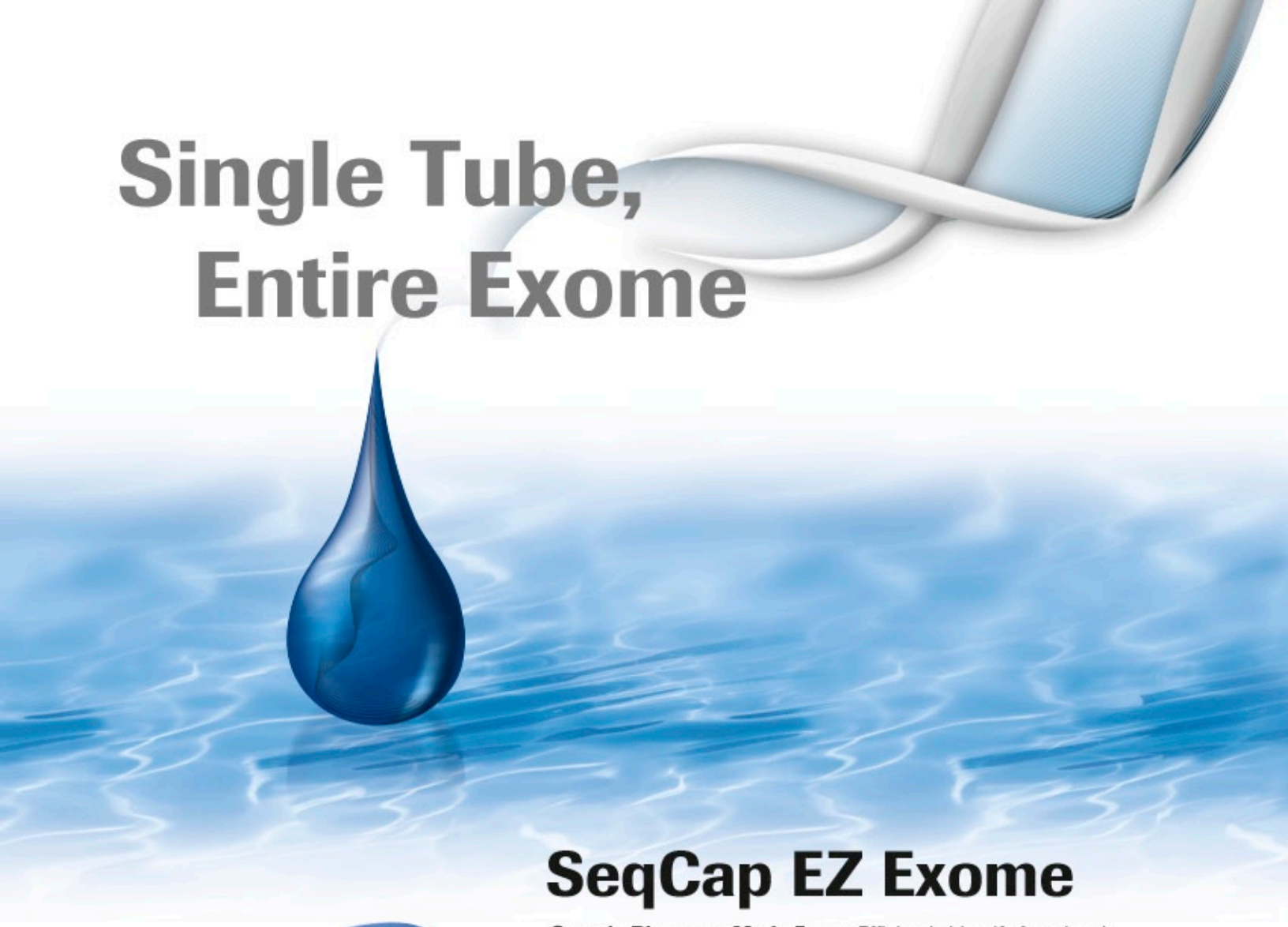

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July 27 – August 1 • Vancouver, BC, Canada

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and Coming in 2011...

26th Fungal Genetics Conference
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52nd Annual Drosophila Research Conference
March 30 – April 2 • San Diego, California

18th International *C. elegans* Meeting
June • Los Angeles, California

MouseGenetics 2011
June 22 – 26 • Washington, D.C.

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(in chronological order)

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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!)

June 2010

Bioactive Lipids: Biochemistry & Diseases
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