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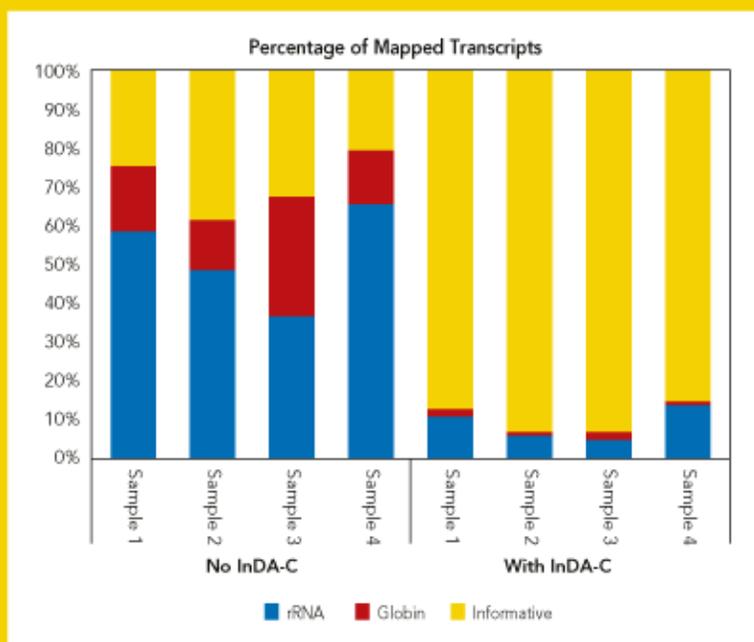
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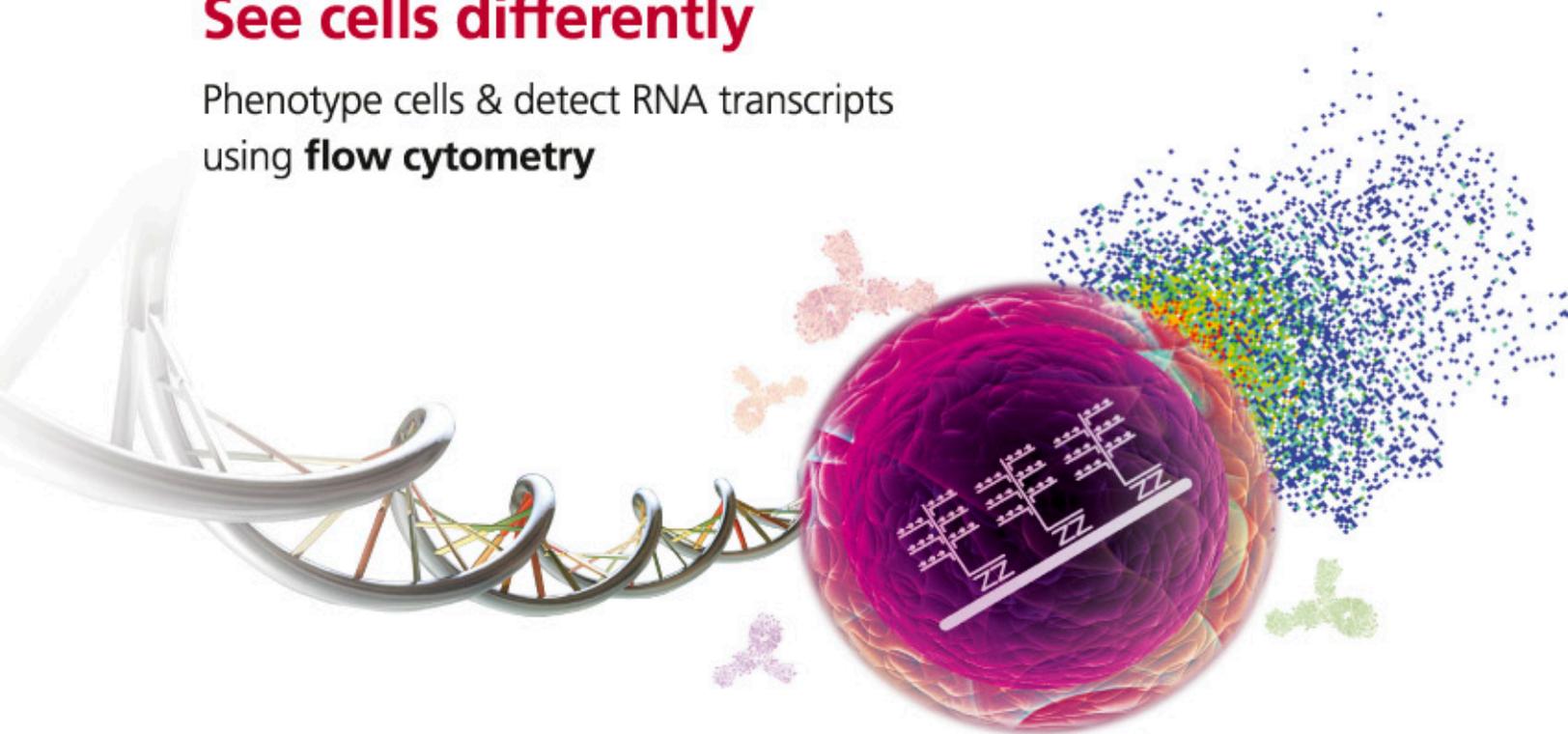
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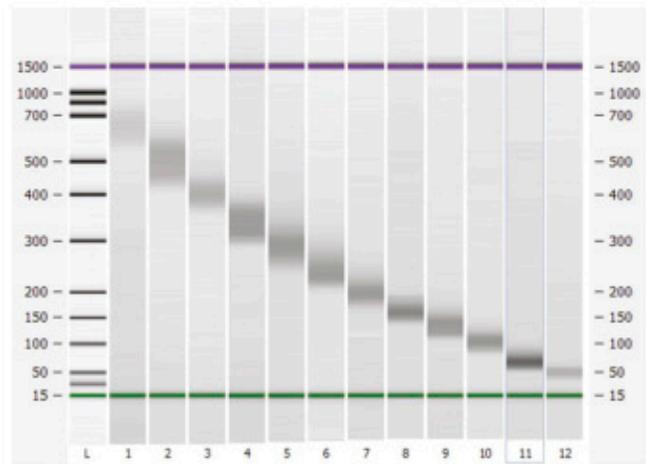
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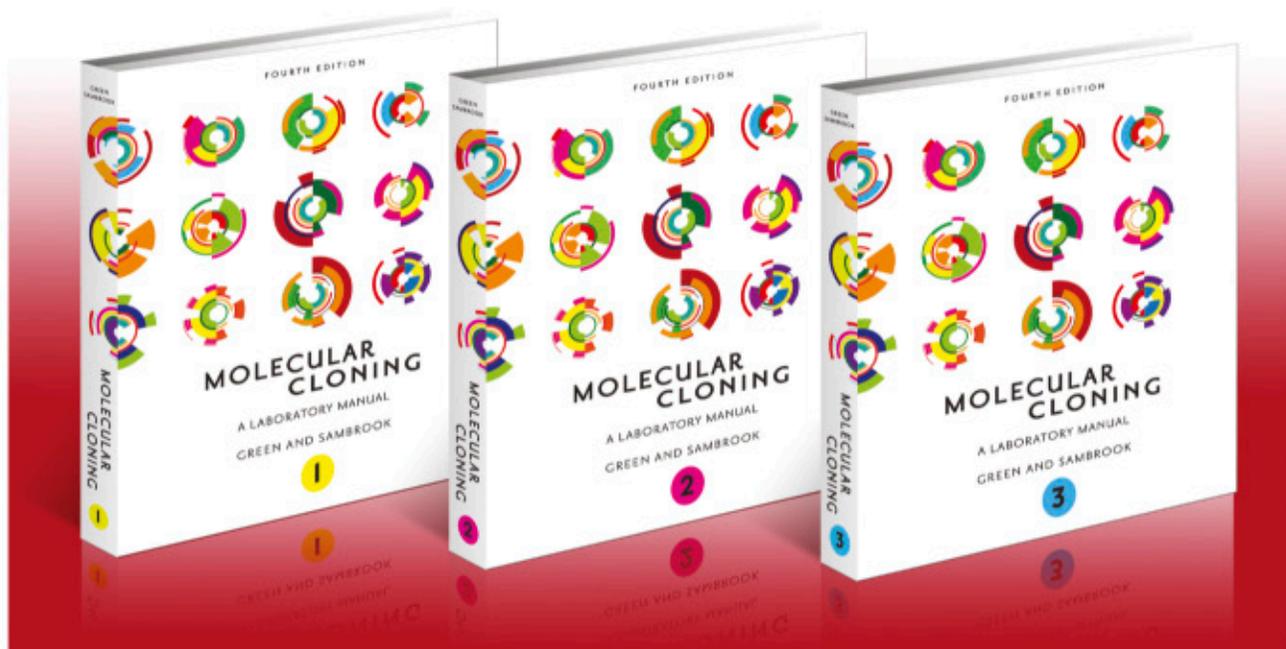
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By Michael R. Green, *Howard Hughes Medical Institute, University of Massachusetts Medical School* and Joseph Sambrook, *Peter MacCallum Cancer Institute, Melbourne, Australia*

Molecular Cloning: A Laboratory Manual has always been the **M**one indispensable molecular biology laboratory manual for protocols and techniques. The fourth edition of this classic manual preserves the detail and clarity of previous editions as well as the theoretical and historical underpinnings of the techniques presented. Ten original core chapters reflect developments and innovation in standard techniques and introduce new cutting-edge protocols. Twelve entirely new chapters are devoted to the most exciting current research strategies, including epigenetic analysis, RNA interference, genome sequencing, and bioinformatics. This manual is essential for both the inexperienced and the advanced user.

2012, 2,028 pp., illus., appendices, index

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Manipulating the Mouse Embryo

A Laboratory Manual, Fourth Edition

By Richard Behringer, *University of Texas, M.D. Anderson Cancer Center*, Marina Gertsenstein, *Toronto Centre for Phenogenomics, Transgenic Core*, Kristina Vintersten Nagy, *Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto*, and Andras Nagy, *Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto*

This fourth edition of “The Mouse Manual” is once again the definitive reference source on mouse development, transgenesis techniques, and molecular biology. Its preeminent authors Richard Behringer, Marina Gertsenstein, Kristina Nagy, and Andras Nagy have reorganized and updated this edition to include new information and protocols on:

- generation of induced pluripotent stem cells
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Recombinant DNA techniques and methods for studies of mouse embryonic development have been updated from previous editions, as has the wealth of information on mouse laboratory strains, mouse housing and breeding, surgical procedures, assisted reproduction, handling of embryos, and micromanipulation setups. The first edition of this classic work appeared more than 20 years ago, with authors that included Brigid Hogan, Rosa Beddington, Frank Costantini, and Elizabeth Lacy. The field’s technological sophistication has grown exponentially but the manual remains the essential practical and theoretical guide for all students, lab technicians, and investigators who work with mice.

2013, 814 pp., illus. (42 4C, 134 BW), index

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