Contents

TOPIC INTRODUCTIONS

RNA Sequencing and Analysis 951
Kimberly R. Kukurba and Stephen B. Montgomery
Cold Spring Harb Protoc; 2015; 10.1101/pdb.top084970

Analysis of Recombination and Chromosome Structure during Yeast Meiosis 970
G. Valentin Börner and Rita S. Cha
Cold Spring Harb Protoc; 2015; 10.1101/pdb.top077636

Methods for Probing Lysosomal Membrane Permeabilization 975
Marja Jäättelä and Jesper Nylandsted
Cold Spring Harb Protoc; 2015; 10.1101/pdb.top070367

Alternating Laser Excitation for Solution-Based Single-Molecule FRET 979
Achilles Kapanidis, Devdoot Majumdar, Mike Heilemann, Eyal Nir, and Shimon Weiss
Cold Spring Harb Protoc; 2015; 10.1101/pdb.top086405

PROTOCOLS

Preparation of Urogenital Sinus Mesenchymal Cells for Prostate Tissue Recombination Models 988
Yang Zong, Andrew S. Goldstein, and Owen N. Witte
Cold Spring Harb Protoc; 2015; 10.1101/pdb.prot078055

Dissociated Prostate Regeneration under the Renal Capsule 991
Yang Zong, Andrew S. Goldstein, and Owen N. Witte
Cold Spring Harb Protoc; 2015; 10.1101/pdb.prot078063

Voltage-Sensitive Dye Imaging of Population Signals in Brain Slices 995
Bradley Baker, Xin Gao, Brian S. Wolff, Lei Jin, Lawrence B. Cohen, Chun X. Bleau, and J.-Y. Wu
Cold Spring Harb Protoc; 2015; 10.1101/pdb.prot089342

In Vivo Voltage-Sensitive Dye Imaging of Mammalian Cortex Using “Blue” Dyes 1000
Bradley Baker, Xin Gao, Brian S. Wolff, Lei Jin, Lawrence B. Cohen, Chun X. Bleau, and J.-Y. Wu
Cold Spring Harb Protoc; 2015; 10.1101/pdb.prot089359

Analysis of Yeast Sporulation Efficiency, Spore Viability, and Meiotic Recombination on Solid Medium 1003
G. Valentin Börner and Rita S. Cha
Cold Spring Harb Protoc; 2015; 10.1101/pdb.prot085027
General Cautions

The methods in this issue should be used by laboratory personnel with experience in laboratory and chemical safety or students under the supervision of such trained personnel. The procedures, chemicals, and equipment referenced in this issue are hazardous and can cause serious injury unless performed, handled, and used with care and in a manner consistent with safe laboratory practices. Students and researchers using the procedures in this issue do so at their own risk. It is essential for your safety that you consult the appropriate Material Safety Data Sheets, the manufacturers' manuals accompanying equipment, and your institution's Environmental Health and Safety Office, as well as the General Safety and Disposal Cautions (see www.cshprotocols.org/cautions), for proper handling of hazardous materials described in these articles. Cold Spring Harbor Laboratory makes no representations or warranties with respect to the material set forth in these articles and has no liability in connection with the use of these materials.

All registered trademarks, trade names, and brand names mentioned in this issue are the property of the respective owners. Readers should consult individual manufacturers and other resources for current and specific product information. Appropriate sources for obtaining safety information and general guidelines for laboratory safety are provided in the General Safety and Hazardous Material Information page online (www.cshprotocols.org/cautions).