Contents

TOPIC INTRODUCTIONS

Patch-Clamp Recording of Voltage-Sensitive Ca\(^{2+}\) Channels
María A. Gandini, Alejandro Sandoval, and Ricardo Felix
Cold Spring Harb Protoc; 2014; 10.1101/pdb.top066092

Purification and Culture of Corticospinal Motor Neurons
Wim Mandemakers
Cold Spring Harb Protoc; 2014; 10.1101/pdb.top070938

Strategies to Achieve Conditional Gene Mutation in Mice
Jessica J. Gierut, Tyler E. Jacks, and Kevin M. Haigis
Cold Spring Harb Protoc; 2014; 10.1101/pdb.top069807

Cross-Species Analysis of Mouse and Human Cancer Genomes
Carla Daniela Robles-Espinoza and David J. Adams
Cold Spring Harb Protoc; 2014; 10.1101/pdb.top078824

Video Microscopy, Video Cameras, and Image Enhancement
Masafumi Oshiro, Lowell A. Moomaw, and H. Ernst Keller
Cold Spring Harb Protoc; 2014; 10.1101/pdb.top081448

PROTOCOLS

Retrograde Labeling of Corticospinal Motor Neurons from Early Postnatal Rodents
Wim Mandemakers
Cold Spring Harb Protoc; 2014; 10.1101/pdb.prot074922

Immunopanning of Retrograde-Labeled Corticospinal Motor Neurons from Early Postnatal Rodents
Wim Mandemakers
Cold Spring Harb Protoc; 2014; 10.1101/pdb.prot074930

Whole-Cell Patch-Clamp Recordings of Ca\(^{2+}\) Currents from Isolated Neonatal Mouse Dorsal Root Ganglion (DRG) Neurons
María A. Gandini, Alejandro Sandoval, and Ricardo Felix
Cold Spring Harb Protoc; 2014; 10.1101/pdb.prot073205
Whole-Cell Patch-Clamp Recording of Recombinant Voltage-Sensitive Ca$^{2+}$ Channels Heterologously Expressed in HEK-293 Cells
María A. Gandini, Alejandro Sandoval, and Ricardo Felix
Cold Spring Harb Protoc; 2014; 10.1101/pdb.prot073213

In Vivo Two-Photon Calcium Imaging in the Visual System
Kenichi Ohki and R. Clay Reid
Cold Spring Harb Protoc; 2014; 10.1101/pdb.prot081455

Whole-Mount X-Gal Staining of Mouse Tissues
Jessica J. Gierut, Tyler E. Jacks, and Kevin M. Haigis
Cold Spring Harb Protoc; 2014; 10.1101/pdb.prot073452

Fluorescent Visualization of Germline Apoptosis in Living Caenorhabditis elegans
Benjamin Lant and W. Brent Derry
Cold Spring Harb Protoc; 2014; 10.1101/pdb.prot080226

High-Throughput RNAi Screening for Germline Apoptosis Genes in Caenorhabditis elegans
Benjamin Lant and W. Brent Derry
Cold Spring Harb Protoc; 2014; 10.1101/pdb.prot080234

Electrophoretic Mobility Shift Assays for RNA–Protein Complexes
Donald C. Rio
Cold Spring Harb Protoc; 2014; 10.1101/pdb.prot080721

5′-End Labeling of RNA with [γ-32P]ATP and T4 Polynucleotide Kinase
Donald C. Rio
Cold Spring Harb Protoc; 2014; 10.1101/pdb.prot080739

3′-End Labeling of RNA with [5′-32P]Cytidine 3′,5′-Bis(Phosphate) and T4 RNA Ligase 1
Timothy W. Nilsen
Cold Spring Harb Protoc; 2014; 10.1101/pdb.prot080713

Cover Illustration: β-galactosidase expression in a paraffin section of the distal colon from Fabpl-Cre/++; R26R/+ mice. The expression of the Cre transgene is mosaic and therefore normal (white) and mutant (blue) crypts can be analyzed in the same mouse. In this issue, Jessica Gierut, Tyler Jacks, and Kevin Haigis introduce the most widely used DNA recombinase systems used to achieve conditional gene mutation in mice (doi: 10.1101/pdb.top069807) and describe the histochemical detection of β-galactosidase activity in Cre mouse strains (doi: 10.1101/pdb.prot073452). Image courtesy of Kevin M. Haigis.

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