LAB ANIMAL | Volume 45, No. 11 | NOVEMBER 2016

EDITORIAL BOARD

Leanne Alworth, DVM, MS, DACLAM
Assistant Director/Attending Veterinarian,
University of Georgia, Athens, GA

Jeffrey Everitt, DVM
Department of Pathology, Duke University, Durham, NC

Craig Fletcher, DVM, PhD, DACLAM
Director, Division of Laboratory Animal Medicine
Assistant Dean for Animal Research Resources
Associate Professor, Department of Pathology and Laboratory Medicine
University of North Carolina, Chapel Hill, NC

Charmaine Foltz, DVM, DACLAM
Director, Division of Veterinary Resources, NIH, Bethesda, MD

Paul Houghton
CEO, Biologist, Primate Products, Redwood City, CA

Robert F. Hoyt, Jr., DVM, MS, DACLAM
Animal Program Director, Frederick National Laboratory for Cancer Research
National Cancer Institute, Bethesda, MD

Mary Lou James, BA, RLATG
Consultant, Regulatory Compliance, St. Louis, MO

Alicia Z. Karas, DVM, MS, DACVA
Assistant Professor, Anesthesia, Department of Clinical Sciences,
Cummings School of Veterinary Medicine, Tufts University, North Grafton, MA

Bruce W. Kennedy, MS, RLATG, CMAR, CPIA
Compliance Associate and Lecturer, Office of Research,
Cal Poly Pomona, Pomona, CA

Krishnan Kolappaswamy, DVM, PhD, DACLAM
Associate Director, Laboratory Animal Medicine-North America Chair, IACUC, Envigo,
Indianapolis, IN

C. Max Lang, DVM, DACLAM
Professor and Chairman, Department of Comparative Medicine,
Milton S. Hershey Medical Center, Pennsylvania State University, Hershey, PA

Richard H. Latt, DVM, DACLAM
President, Mispro Biotech Services Inc., Montreal, Quebec, Canada

Sherry M. Lewis, PhD
Nutritionist/Research Scientist,
National Center for Toxicological Research, Jefferson, AR

Carol Cutler Linder, PhD
Assistant Professor of Biology, New Mexico Highlands University, Las Vegas, NM

John A. Maher, MS, MBA, CMAR, RLATG
Associate Director, Comparative Medicine, Pfizer, Pearl River, NY

Jörg Mayer, Dr.med.vet., MSc, MRCVS, DABVP (ECM)
Associate Professor of Zoological Medicine,
College of Veterinary Medicine, University of Georgia, Athens, GA

Daniel R. Schwartz, MS, DVM, DACLAM
Attending Veterinarian, Wesleyan University, Middleton, CT

John Curtis Seely, DVM, DACVP
Veterinary Pathologist,
Experimental Pathology Laboratories, Research Triangle Park, NC

Jo Ellen Sherow, BS, LATG
Director, Research Compliance, Ohio University, Athens, OH

Jerald Silverman, DVM, DACLAM
Professor and Director, Department of Animal Medicine,
University of Massachusetts Medical School, Worcester, MA

Michael K. Stoskopf, DVM, PhD, DACZM
Professor and Director of Environmental Medicine Consortium,
College of Veterinary Medicine, North Carolina State University, Raleigh, NC

James Taylor, DVM, MS, DACLAM
Management Consultant, Derwood, MD

Robert H. Weichbrod, PhD, MBA, RLATG
Animal Program Administrator, National Eye Institute, NIH, Bethesda, MD

Misty J. Williams-Fritze, DVM, MS, DACLAM
Director, Veterinary Services, CBSET, Inc., Lexington, MA

Axel Wolff, MS, DVM
Director, Division of Compliance Oversight, OLAW, NIH, Bethesda, MD

Keeping track of rodents with RFID technology

Rodents are social animals, and current welfare standards recommend that they be housed in pairs or groups whenever possible. But mixing mice risks mixing results. Radiofrequency identification, or RFID, technology is proving increasingly useful in both the vivarium and the laboratory. Implantable chips can help staff easily and accurately identify individual animals and link important data, from implantation to death, and even beyond. Chips with tracking capabilities can offer new insights into natural rodent behavior, without the pesky presence of people. This month's Technology Feature details RFID technology and the ways it is improving rodent research.

See page 427

Checking if chew toys are put to good use

Enrichment devices are important welfare tools for laboratory animals. Rodents are especially predisposed to gnaw on whatever they can get their paws on, but if they are given devices impervious to tooth marks, such as those made from hard plastics, it may not be clear if they are adequately engaged. The presence of saliva can help solve that uncertainty, and Anjali Prakash, Sarah Lewis, and Debra Hickman from Indiana University describe the use of the Phadebas amylase test to detect otherwise invisible signs of chewing in a new Clinical Technique.

See page 433

© 2016 Nature America, Inc. All rights reserved.