This calendar is dedicated to the rat research community. Thank you for your continued support and encouragement!

In addition, RGD’s 2012 calendar is dedicated to the memory of Dr. John Critser, Director of the Rat Resource & Research Center (RRRC) until his untimely death earlier this year. His efforts and energy made our little research world a lot better. We continue to miss him.

With appreciation,
The RGD Team

Male 18 month old Albino.
Photo courtesy of Joanne Bella Hodges.
Parental strains for the FHH-Chr nBN consomic set: BN/SsNHsdMcwi on the left and FHH/EurMcwi on the right.
Photo submitted by the Tordoff lab, Monell Chemical Senses Center, Philadelphia; photography, Paola Nogueras.
http://www.monell.org
Weanling WAG/RijYcb (WAG-F8\textsuperscript{m1Ycb}) rats with Hemophilia A.
Photos courtesy of Dr. Carmen Jane Booth, Section of Comparative Medicine, Yale Medical School, New Haven, CT.
http://medicine.yale.edu/compmed/people/booth.aspx
13 day old black homozygous ASIP knockout pups with agouti heterozygous and wild-type littermates (F2 generation of strain ACI.FHH-(D1Mit18-D1Rat90) (D14Mit11-D14Rat33)(D14Rat65-D14Rat90)/EurMcwi-Asip\textsuperscript{em1Mcwi}, RGD:5144102). ASIP knockout is due to a ZFN-induced 5 bp deletion in exon 2. Generated by Dr. Aron Geurts and Dr. Howard Jacob. Photo by Dr. Caitlin O'Meara. http://www.mcw.edu/HMGC.htm
Approximately 2 week old NMwci:HS Heterogeneous Stock rats (RGD:2314009) developed at NIH by Dr. Carl Hansen (Hansen and Spuhler, 1984), transferred to Dr. Eva Redei at Northwestern University, then to MCW in 2005. Colony is currently maintained in the Solberg Woods lab. Photos by Dr. Leah Solberg Woods and Katie Holl. http://www.mcw.edu/HMGC/Laboratories/SolbergWoodsLeahPhD.htm
Agouti BDIX rat with two hooded BDIV rats used for carcinogenesis studies. BDIX animals are very sensitive to ENU-induced carcinogenesis in the nervous system while BDIV rats are resistant. Photo courtesy of Dr. Andrea Kindler-Röhrborn, Institut für Pathologie und Neuropathologie, Universitätsklinikum Essen, Germany. http://www.uk-essen.de/pathologie/index_start.php
Drawing courtesy of Fumi “Mogu” Tagami. Figures represent (left to right) Dr. Norbert Huebner, Dr. Howard Jacob and Dr. Tadao Serikawa attending an important rat genomics conference at Petenwell Lake in central Wisconsin. Image submitted by Dr. Akiko Takizawa.
University of Wisconsin Copenhagen female (left) and male (right) rats with hooded and blaze phenotypes. Rats generated by Dr. Kathy Krentz and Dr. William F. Dove, courtesy of Dr. Michael Gould. Photo submitted by Dr. James Amos-Landgraf and Dr. Amy Irving, McArdle Laboratory for Cancer Research, University of Wisconsin — Madison.

http://mcardle.oncology.wisc.edu/dove/
White long-haired Fgf5 ZFN knockout rats. Generated by Dr. Aron Geurts and Dr. Howard Jacob as part of the PhysGen Knockout Program. Photos by Michael Grzybowski. http://rgd.mcw.edu/wg/physgenknockouts
LEW/SsNHsd rats sleeping peacefully. Photo courtesy of Dr. Camilo Durán, Sala de Experimentación Animal, Pontificia Universidad Javeriana. http://www.javeriana.edu.co/
Please continue to support RGD by visiting our website at http://rgd.mcw.edu

Drawings representing Dr. Howard Jacob (upper left) and Dr. Jozef Lazar (lower right) courtesy of Fumi “Mogu” Tagami. Images submitted by Dr. Akiko Takizawa.

Principal Investigator:
Howard Jacob, PhD

Co-Investigators:
Mindy Dwinell, PhD
Diane Munzenmaier, PhD
Mary Shimoyama, PhD
Liz Worthey, PhD

Research Scientists and Curators:
Shirng-Wern Tsaih, PhD
Stan Laulederkind, PhD
Victoria Petri, PhD
Rajni Nigam, MS
Jennifer Smith, MS
Tom Hayman, PhD
Tim Lowry, PhD
Shur-Jen Wang, PhD

Bioinformatics Manager:
Jeff DePons

Developers:
Pushkala Jayaraman, MS
Weisong Liu, PhD
Marek Tutaj, MS

Database Administrator:
Stacy Zacher, MS

COVER PHOTOS
Top right: GFP rat with primary expression in the toenails. Developed by Dr. Aron Geurts, photo by Michael Grzybowski. All other cover photos courtesy of Joanne Bella Hodges.

Top left: 5 month old female American blue homozygous Dalmatian Dumbo. 21 month old male black homozygous Dalmatian Dumbo.

Inset photos, left to right:
• “Stumpy” (aka Clark) — 16 month old Fawn rat (agouti with red eye (r) dilution)
• “Glam Rat” — 19 month old homozygous hairless female
• “Raith” — 10 month old homozygous Russian Blue Dumbo
• “Tail nomnomnom” — 6 day old male black Dumbo pup from an outcrossed Dalmatian line
• “Bermeece” — 6 month old Homozygous Sable Burmese/ Siamese Dumbo