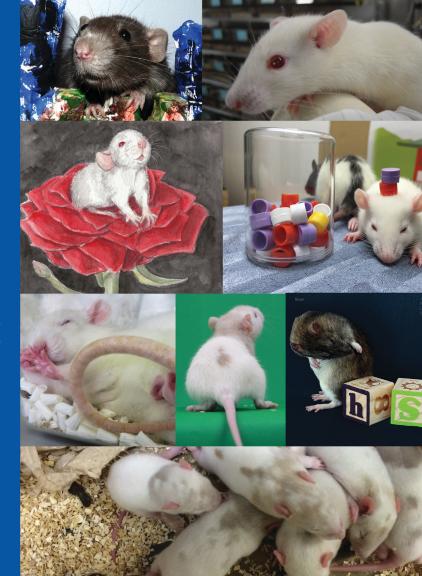


RAT GENOME DATABASE

rgd.mcw.edu

2016





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

With appreciation, The RGD Team



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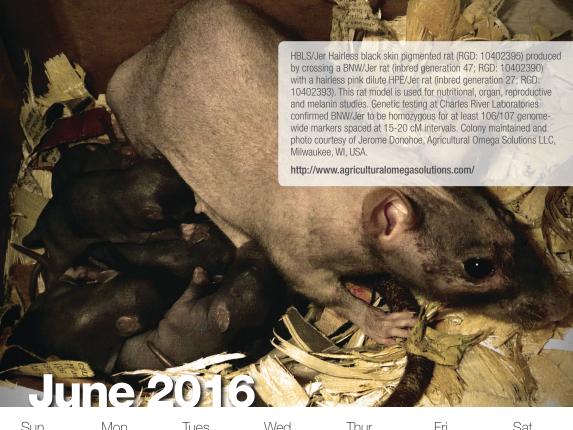
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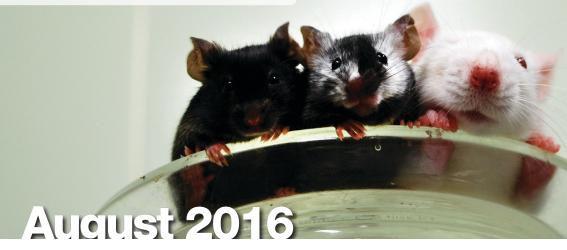
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Rat/mouse hybrid. Animals are: Left: C57BL/6NCrSlc mouse, Middle: Mouse-Rat Interspecies chimera. Rat ES Cells (Crlj:WI-ES1/Nips; RGD: 10053737) were injected into mouse embryos (F1 of C57BL/6NCrSlc and B6D2F1/Slc), Right: Slc:Wistar rat. Chimera was generated by Dr. Toshihiro Kobayashi, Wellcome Trust /Cancer Research UK Gurdon Institute, University of Cambridge, UK, and Dr. Masumi Hirabayashi, National Institute for Physiological Sciences, Okazaki, Aichi, Japan.

http://www.gurdon.cam.ac.uk/research/ http://www.nips.ac.jp/eng/



Sun	Mon	Tues	Wed	Thur	Fri	Sat
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Superhero!

I'm much maligned in history and maybe rightly so, But there's so much more to me now that you don't even know.

Instead of only being thought as one who spread the plague, I'm trying hard help you now, so please hold your disdain.

I'm helping docs and lab techs to find cures for your disease. I really hate to see you suffer from those maladies.

They're knocking in and out my genes to hopefully find cures, for heart disease and cancer, or for any other scourge.

So, the next time that you hear my name, don't think "You dirty rat!", because I'm your "Superhero" working in a research lab!

Hybrid rat WI-Foxn1 emiNipsWI-Foxn1 emiNipsF1/ Nips (RGD: 10053603). Rats developed by and photos courtesy of Dr. Teppei Goto and Dr. Masumi Hirabayashi, Section of Mammalian Transgenesis, Center for Genetic Analysis of Behavior, National Institute for Physiological Sciences. Okazaki Aichi, Japan.

http://www.nips.ac.jp/mamtg/

Original poem by Lisa King, Supervisor, Biomedical Resource Center, Medical College of Wisconsin, Milwaukee, WI, USA. Used with permission.

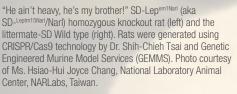
http://infoscope.mcw.edu/BRC.htm

September 2016

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http://www.nlac.org.tw/

November 2016

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cultivate-communications.com





"Unicycle". Original painting in gouache (opaque watercolor) by Drusilla Kehl, The Illustrated Rat.

Used with permission of the artist.

Cover Photos

Top row, left: "J'Pooka", a Russian blue dumbo-eared female. Photo courtesy of Joanne Bella Hodges. Senior Team Member. The Rat Guide.

Top row, right: Crlj:CD(SD) rats. Photo courtesy of Dr. Toshihiro Aoto, Institute of Immunology Co., Ltd., Utsunomiya City, Japan.

Second row, left: "Rose". Original painting in gouache (opaque watercolor) by Drusilla Kehl, The Illustrated Rat. Used with permission of the artist.

Second row, right: Kwl:SD rat with Kwl:Long Evans (black hooded) in the background. Photography by Mr. Takao Nakagawa, Kiwa Laboratory Animals Co., Ltd. Wakayama, Japan. Photo submitted by Dr. Masayuki Anzai of the Institute of Advanced Technology, Kinki University, Higashiosaka City, Osaka, Japan.

Third row, left: Sleeping Crl:SD rat. Photo courtesy of Dr. Tomo Etoh, Central Institute for Experimental Animals (CIEA), Kawasaki, Japan.

Third row, center: Chimera pup generated by injection of Fawn Hooded Hypertensive (FHH) ES cells into a Sprague-Dawley (SD) embryo. Photo courtesy of Dr. Akiko Takizawa, Human and Molecular Genetics Center, Medical College of Wisconsin, Milwaukee, WI, USA.

Third row, right: Heterogeneous Stock (HS) rat. Photo courtesy of Dr. Jerry B. Richards, Research Institute on Addictions, University at Buffalo (SUNY), Buffalo, NY, USA.

Bottom: Rat chimeras produced from rESFH3-P9 cells. Photo courtesy of Dr. Akiko Takizawa, Human and Molecular Genetics Center, Medical College of Wisconsin, Milwaukee, WI, USA.

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rESACI1-P7 rat chimera. Photo courtesy of Dr. Akiko Takizawa, Human and Molecular Genetics Center, Medical College of Wisconsin, Milwaukee. Wl. USA.

http://www.hmgc.mcw.edu/index.htm

"Vote Rats!" Original painting in gouache (opaque watercolor) by Drusilla Kehl, The Illustrated Rat. Used with permission of the artist. http://www.illustratedrat.macwebsitebuilder.com