



# ARMIRat Project: An Update and Presentations

## Australian Regenerative Medicine Institute

The ARMIRat Project is an academic collaboration between researchers at the Australian Regenerative Medicine Institute and at the University of Southern California (USC) to develop technology in advanced conditional mutagenesis and animal modelling.

The initial rat models to be generated will focus on two clinically relevant models: hypertension and cardiac disease. Once the technology is established, collaboration with other groups will lead to new rat models to study other diseases.

The outcome of this collaboration will be a technology platform operated by ARMI with expertise and capacity to provide transgenic rat services to the life sciences community. It will be operated as a service provided by ARMI.

You are invited to join this special event, where world leading speakers will be presenting on the development and production of rat conditional gene knockouts.

Please register to attend by email: [enquiries@armi.monash.edu.au](mailto:enquiries@armi.monash.edu.au)  
Phone: +61 3 9902 9604

### Guest Speakers include:

- \* **Professor Nadia Rosenthal**  
Director, Australian Regenerative Medicine Institute  
Scientific Head, EMBL Australia (Monash University)
- \* **Professor Howard Jacob**  
Director, Human and Molecular Genetics Centre (Medical College of Wisconsin, Milwaukee)
- \* **Qi-Long Ying, PhD**  
Eli and Edythe Broad Center for Regenerative Medicine and Stem Cell Research at USC  
Department of Cell & Neurobiology  
Keck School of Medicine  
University of Southern California
- \* **Chang Tong, PhD**  
Department of Cell & Neurobiology, Keck School of Medicine (University of Southern California)

### Topics to be addressed:

- Rat inbred strains for gene knockout production.
- Selection of genes and strategies for conditional knockout production.
- Rat ES cell development, culture and genetic manipulation: current challenges and future prospects.
- Rat animal husbandry, reproductive biology, blastocyst manipulation.
- A Cre driver Zoo for rats.

**Wednesday 12<sup>th</sup> October 2011**  
**9:30am – 1:00pm**  
**Alan Gilbert Bldg, Theatre 4,**  
**Level 1, Barry Street**  
**Melbourne University**  
**Parkville, Melbourne**

The Australian Regenerative Medicine Institute is supported by grants from the State Government of Victoria and the Australian Government.

[www.armi.org.au](http://www.armi.org.au)

