

NNPDF-Funded Research Grant # 39

TITLE: Maintenance of Colony of NPC1 mice with GFP-tagged Purkinje neurons

PROJECT INVESTIGATOR: Robert A. Maue, Ph.D.

PERIOD: 4/15/2005 - 4/14/2006

PROJECT DESCRIPTION

Maintain special colony of mice developed to help researchers investigate the neurological effects of NPC. Arrange for permanent secure home and financial support for colony where research community will continue to have access to mice.

FINAL STATUS REPORT

Dated 4/14/2006

The support from the National Niemann Pick Disease Foundation has been critical to our ability to maintain a small breeding colony (~ 45 animals) of the L7-GFP (NPC1) mice that we spent a year developing and characterizing. We have been able to distribute these mice in response to a number of Investigators interested in Niemann Pick disease, and with the help of Dr. Kevin Seburn and Ms. Debra Boswell Lane at the Jackson laboratories we have initiated procedures for donating these mice to the Jackson Laboratory in Maine for future distribution. Specifically, with the support from the NNPDF we have been able to do the following:

We have provided breeding pairs of these “green Purkinje cell” mice to NPC Investigators in South America, Europe, and the United States. This includes:

Dr. Alejandra Alvarez
Faculty of Biological Sciences
Universidad Catolica de Chile
Santiago, Chile

Dr. Dan Ory
Washington University
St. Louis, MO

Dr. Frances Platt
University of Oxford
Department of Biochemistry
Oxford, UK

Dr. TY Chang
Department of Biochemistry
Dartmouth Medical School
Hanover, NH

In addition to these labs, we have also begun the paperwork and will soon provide the mice to:

Dr. Thomas Kelley
Department of Pediatrics
Case Western Reserve University
Cleveland, OH

Finally, the following Investigators have also contacted us about obtaining the “green” mice:

Dr. Andrey Frolov
University of Cincinnati
Cincinnati, OH

Dr. Kumlesh Dev
Novartis, Inc.

We have been encouraged by this response, particularly given our first manuscripts describing and characterizing these mice and the fluorescent Purkinje cells they contain) are just now being submitted for publication.

PUBLICATIONS:

No Publications on this Work To Date