**NINDS Institutional Center Core Grant to Support Neuroscience Research**

**Murine Mutagenesis Core: List of Mice**

The list below includes mice generated by the Murine Mutagenesis Core. Primary investigators responsible for each mouse can be contacted for further information. Alternatively, interested parties can contact the Core Manager (Holly Wellington, [hwellington@jhmi.edu](mailto:hwellington@jhmi.edu)), MM Core Director (Xinzhong Dong, xdong2@jhmi.edu), or NINDS Center Director (Alex Kolodkin, Kolodkin @jhmi.edu).

|  |  |  |  |
| --- | --- | --- | --- |
| **Mouse** | **Contact Name** | **Contact email** | **Publication** |
| Kibra KO | Rick Huganir | [rhuganir@jhmi.edu](mailto:rhuganir@jhmi.edu) | Makuch et al., 2011, Neuron |
| PKMzeta | Rick Huganir | [rhuganir@jhmi.edu](mailto:rhuganir@jhmi.edu) | Volk et al., 2013, Nature |
| double D GluR1 | Rick Huganir | [rhuganir@jhmi.edu](mailto:rhuganir@jhmi.edu) | Makino et al., 2011, PNAS |
| Pbx114 | David Ginty | [david\_ginty@hms.harvard.edu](mailto:david_ginty@hms.harvard.edu) | Mandai et al., 2009, Neuron |
| TrkB KI | David Ginty | [david\_ginty@hms.harvard.edu](mailto:david_ginty@hms.harvard.edu) | Liu et al., 2012, Science |
| BCM-M-DTA | David Ginty | [david\_ginty@hms.harvard.edu](mailto:david_ginty@hms.harvard.edu) | Deppmann et al., 2008, Science |
| BCM-W-DTA | David Ginty | [david\_ginty@hms.harvard.edu](mailto:david_ginty@hms.harvard.edu) | Luo et al., 2007, Neuron |
| megf8 | David Ginty | [david\_ginty@hms.harvard.edu](mailto:david_ginty@hms.harvard.edu) | Englehard et al., 2013, eLife |
| Linx conditional | David Ginty | [david\_ginty@hms.harvard.edu](mailto:david_ginty@hms.harvard.edu) | Mandai et al., 2013, Neuron |
| flag-TrkA | David Ginty | [david\_ginty@hms.harvard.edu](mailto:david_ginty@hms.harvard.edu) | Sharma et al., 2011, Neuron |
| THCreER | David Ginty | [david\_ginty@hms.harvard.edu](mailto:david_ginty@hms.harvard.edu) | Li and Ginty, 2014, eLife |
| Homer1a KO | Paul Worley | [pworley@jhmi.edu](mailto:pworley@jhmi.edu) | Hu et al., 2010, Neuron |
| preso1 KO | Paul Worley | pworley@jhmi.edu | Hu et al., 2012, Nature Neurosci |
| NARP | Paul Worley | pworley@jhmi.edu | Chang et al., 2010, Nature Neurosci |
| rheb1 conditional KO | Paul Worley | pworley@jhmi.edu | Zou et al., 2011, Dev Cell |
| rheb2 conditional KO | Paul Worley | pworley@jhmi.edu | Zou et al., 2011, Dev Cell |
| LanCL1 | Paul Worley | [pworley@jhmi.edu](mailto:pworley@jhmi.edu) | Huang et al., 2014, Dev Cell |
| Rx-Cre-ERT2 | Seth Blackshaw | [sethblackshaw@gmail.com](mailto:sethblackshaw@gmail.com) | Pak et al., 2014, PLoS One |
| Sema5b | Alex Kolodkin | [kolodkin@jhmi.edu](mailto:kolodkin@jhmi.edu) | Matsuoka et al., 2011, Neuron |
| Tmem100 (DRG13/Pirt2) | Xinzhong Dong | [xdong2@jhmi.edu](mailto:xdong2@jhmi.edu) | Weng et al., 2015, Neuron |
| Pirt-GCaMP3 | Xinzhong Dong | [xdong2@jhmi.edu](mailto:xdong2@jhmi.edu) | Kim et al., 2013, Neuron |
| Mrgprb2 | Xinzhong Dong | [xdong2@jhmi.edu](mailto:xdong2@jhmi.edu) | McNeil et al., 2014, Nature |
| GPR54 | Sally Radovick | [sradovick@jhmi.edu](mailto:sradovick@jhmi.edu) | Novaira et al., 2014, Mol Endocrinol |
| F1ERB | Sally Radovick | [sradovick@jhmi.edu](mailto:sradovick@jhmi.edu) | Avtanski et al., 2014, Mol Endocrinol |