

Genetically engineered rat models available from Horizon

Neuroscience

Parkinson's Disease

- *Lrrk1* KO
- *Lrrk2* KO
- *Lrrk1/Lrrk2* KO
- *Prkn* (*Park2*) KO
- *Pink1* KO
- *Park7* (DJ-1) KO
- **SNCA A53T HUM New!**
- *Snca* KO



Alzheimer's Disease

- *ApoE* KO
- **APOE2 HUM New!**
- **APOE3 HUM New!**
- *APOE4* HUM
- *App* KO
- *Bdnf* KO

Autism (ASD)

- *Cdh8* KO
- *Cntnap2* KO
- *Fmr1* KO
- *Gabrb3* KO
- *Grm5* (*mGluR5*) KO
- *Mecp2* KO
- *Met* KO
- *Nlgn3* KO
- *Nrxn1* KO
- *Pten* KO
- *Rbfox1* KO



Schizophrenia

- *Bdnf* KO
- *Chrna7* KO
- *Disc1* KO
- *Pde4b* KO

Pain

- *Faah* KO
- *Ngfr* (*p75NTR*) KO
- *Oprm1* KO
- *Trpv1* KO

Cre and Optogenetics

- *Camk2a*-Cre KI
- *Htr3a* (*5HT3*)-Cre KI
- *Npy*-Cre KI (in dev.)
- ***Pvalb*-Cre KI New!**
- *Slc32a1* (*VGAT*)-Cre KI
- *Slc6a3* (*DAT*)-Cre KI
- *Sst*-Cre KI (in dev.)
- *Tph2*-Cre KI
- *Vip*-Cre KI
- Channelrhodopsin TTG
- Halorhodopsin TTG
- R26 LSL-tdTomato TTG

Admet

Transporters

- *Abcb11* (*Bsep*) KO
- *Abcb1a* (*Mdr1a*) KO
- *Abcb1a/Abcb1b* KO
- *Abcc2* (*Mrp2*) KO
- *Abcg2* (*BCRP1*) KO
- *Slc22a1* (*OCT1*) KO
- *Slc22a2* (*OCT2*) KO
- *Slc22a6* (*Oat1*) KO
- *Slc22a8* (*Oat3*) KO

Xenobiotic Receptors

- *Ahr* KO
- *Nr1i2* (*PXR*) KO
- *Nr1i2/3* (*PXR/CAR*) KO
- *Nr1i2/3/Ahr* KO
- *Nr1i3* (*CAR*) KO
- *Ppara* KO

Cardiovascular

- *ApoE* KO
- *Ldlr* KO
- *Lep* KO

Oncology

- *Prkdc* KO
- *Pten* KO
- *Rag1* KO
- *Rag2* KO
- *Tp53* KO

Wild-Type Strains

- BALB/c Mouse
- C57BL/6 Mouse
- Sprague-Dawley Rat

Breeding licenses available!