IMPC
International Mouse Phenotyping Consortium

IMPC Newsletter

Summer 2015

Welcome to our summer IMPC newsletter! From the latest lines to our newest projects, techniques and training, here is an update on all we've been doing. You can also keep up to date by following us on Twitter @IMPC or by reading our news feed on mousephenotype.org.

Next IMPC annual meeting in South Korea

IMPC members, funders, corporate sponsors and invited guests from all across the world are set to congregate in South Korea's capital, Seoul, for the 2015 annual meeting. This year the meeting will run from the 14th to the 15th September.

Over 3500 lines now available

IMPC panel at ESHG 2015

The IMPC was at this year's European Society of Human Genetics conference at Glasgow. An entire symposia session was devoted to the IMPC, entitled *Mouse Phenotyping for Clinical Research*. It included talks from the Chair of the IMPC, Steve Brown and focussed on the enormous benefits that the IMPC could provide in supporting clinical research.

IMPC embraces ARRIVE guidelines

The ARRIVE guidelines, developed in 2010, aim to assure reproducibility and transparency in animal research. The IMPC has published a new paper in PLOS Biology, *Applying the ARRIVE Guidelines to an In Vivo Database*, describing the steps it took to ensure that it meets these guidelines. In this way, IMPC is doing all it can to remain a trustworthy, reliable source of phenotyping information for years to come.

Over 2200 genes with phenotype data

Importance of mouse biobanks stressed

The IMPC was mentioned in a recent Nature news article, *Reproducibility: Use mouse biobanks or lose them*. The article discussed the considerable benefits of maintaining mouse biobanks, including reduced costs, improved animal welfare and increased reproducibility. IMPC makes extensive use of biobanks such as the Knockout Mouse Project (KOMP) repository in the USA and Infrafrontier's European Mouse Mutant Archive (EMMA).

New mouse lines available

Recent interesting IMPC mouse line phenotypes include:

- **Nhlh2** - Infertile. Males have small or absent testes.
- **Kiss1r** - No reproductive organs
- **Acvr2a** - Embryos have mild to severe craniofacial and eye abnormalities
- **Psph** - Embryos have oedema, craniofacial and brain abnormalities
- **Odf3l2** - Abnormal grip strength, absent vibrissae
- **Rbp4** - Hypoactivity
- **Rabl2** - Polydactyly and a weak grip
- **Cacna1i** - Hearing loss, bone abnormalities
- **Tead1** - Abnormal retina morphology, possible model for Sveinsson chorioretinal atrophy

Discover our full range of mouse lines at **www.mousephenotype.org.**

Follow us on LinkedIn for IMPC news and jobs