IMPC
International Mouse Phenotyping Consortium

IMPC Newsletter

Autumn 2015

Welcome to our autumn 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.

1781 lines
with phenotypes

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.

Precision medicine: Look to the mice

A letter to Science has highlighted how the Knockout Mouse Phenotyping Program (KOMP2), part of the IMPC, could provide a useful guide for President Obama's Precision Medicine Initiative (PMI), as it has faced similar challenges.

EUMODIC: paving the way for the IMPC

The European Mouse Disease Clinic (EUMODIC) consortium, which IMPC has built upon, was established in 2007 and brought together scientists from many nations to investigate the functions of over 300 mouse genes. The findings from EUMODIC have now been published in Nature Genetics.

Phenoview: a new tool to compare data

Phenoview, a tool specially developed for the IMPC, displays data so you can to compare phenotypes for one gene or lines with the same phenotype. A new publication in Nature Methods describes its features.

How IMPC can inform human phenotyping

Helen Parkinson, from the EMBL European Bioinformatics Institute (EBI) has explained in a Nature Methods feature the lessons human phenotyping can learn from the standardised vocabulary, or ontologies, developed for the IMPC.

New features on the IMPC website

Our new Embryo Viewer has been now been launched, which allows you to explore 3D images of mouse embryos for lines where the knockout mutation is embryonic lethal. It is also now possible to run batch queries to recover data for multiple genes in a single search.

New mouse lines available

Recent interesting IMPC mouse line phenotypes include:

- **Zfp719** - Hearing loss
- **Ppil3** - Fewer cervical vertebrae
- **D630023F18Rik** - Abnormal retina morphology and pigmentation
- **Crlf3** - Low platelet count
- **Ap2a2** - Increased HDL, LDL and total cholesterol levels
- **Ccdc94** - Scoliosis, fewer caudal vertebrae and abnormal retinal pigmentation

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

1 million
phenotyping assays