Programme - October 26-27, 2017
Ageing Genomics and Bioinformatics Workshop

Location: Blackburne House, 3 Blackburne Pl, Liverpool, L8 7PE

Thursday, October 26
Scientific symposium

9:00	9:30	**REGISTRATION & COFFEE**
9:30	9:40	**Joao Pedro de Magalhaes** Welcome and introduction
9:40	10:25	**Richard Faragher** Chronological and biological ageing in human cell systems: one and the same?
10:25	10:45	**Helen Wright** Predicting response to TNF inhibitors in rheumatoid arthritis using RNA-seq
10:45	11:00	**Felicity Lumb & Jenny Crowe** Can the parasitic worm product ES-62 improve lifespan and healthspan in a high fat diet-induced model of obesity and ageing?
11:00	11:30	**COFFEE BREAK**
11:30	12:00	**Daniel Thornton & Joao Pedro de Magalhaes** The Human Ageing Genomic Resources
12:00	12:15	**Peter Fedichev** Quantitative Characterization of Biological Age and Frailty Based on Locomotor Activity Records
12:15	12:45	**Danielle Newby** Machine learning for predicting lifespan-extending chemical compounds
12:45	13:45	**LUNCH**
13:45	14:30	**David Gems** New discoveries about ageing in C. elegans
14:30	14:50	**John Quinn** Somatic mutation in the ageing brain resulting from mobilization of endogenous retrotransposons
14:50	15:10	**Dervis Salih** The MOUSEAC PROJECT: A genome wide expression analysis of murine models of Dementia according to age and brain region
15:10	15:30	**Mark McAuley** Cholesterol Biosynthesis: An in silico investigation into how ageing disrupts its key regulatory mechanisms
15:30	16:00	**COFFEE BREAK**

16:00	16:30	**David Clancy & Daniel Palmer** RNA-seq on Drosophila selected for exceptional longevity
16:30	16:45	**Hagen Blankenburg** Characterizing the landscape of human aging genes via a network-based meta-analysis
16:45	17:00	**Garan Jones** The genetic contribution to human longevity: GWAS result in 389,166 UK Biobank participants
17:00	17:30	**Emma Teeling** Growing old yet staying young: do bats hold the secret of extended longevity?
17:30	17:40	**Joao Pedro de Magalhaes** Closing remarks

Friday, October 27
Training sessions (please bring a laptop for hands-on sessions)

9:00	9:15	**WELCOME & COFFEE**
9:15	9:30	**Joao Pedro de Magalhaes** Introduction to genomics and bioinformatics in ageing
9:30	10:30	**Daniel Thornton** HAGR tips and tricks
10:30	11:00	**COFFEE BREAK**
11:00	12:00	**Fabio Fabris** Machine learning approaches
12:00	13:00	**Joao Pedro de Magalhaes** Gene expression analysis and functional follow-up

Any questions please contact Joao Pedro de Magalhaes (aging@liverpool.ac.uk).

http://genomics.senescence.info/

For the latest biology of ageing news:

https://www.facebook.com/BiologyAgingNews/
https://twitter.com/AgingBiology