

Resource Summary Report

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MRC Mammalian Genetics Unit

RRID:SCR_005378

Type: Tool

Proper Citation

MRC Mammalian Genetics Unit (RRID:SCR_005378)

Resource Information

URL: <https://www.har.mrc.ac.uk/about/mammalian-genetics-unit>

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Description: It is now widely known that animals share many genes with humans and can suffer from the same diseases, for example diabetes or deafness. Investigating these diseases in animals can provide vital leads to understanding both their causes and ways to treat them in humans. This approach to medical research lies at the heart of work at the MRC Mammalian Genetics Unit (MGU) at Harwell in Oxfordshire. In 1995 the MRC Radiobiology Unit was reconstituted to form two new units, the Radiation and Genome Stability Unit and the MGU. These opened in January 1996, together with the UK Mouse Genome Centre which is now part of MGU, making MRC Harwell a unique campus for multi-disciplinary genetics research. Since MGU's Director Steve Brown took the reins in 1996, the unit has dramatically expanded its scientific scope and increased its personnel from 40 to over 100. It now has 13 research programs encompassing molecular genetics, genomics, genetic manipulation and data analysis at all levels, from single genes to the whole genome. With a combination of cutting-edge facilities and expertise unrivaled in Europe, MGU Harwell has become firmly established as one of the world's leading academic centres for mouse genetics.

Abbreviations: MGU

Synonyms: Medical Research Council Mammalian Genetics Unit, MGU Harwell, MRC MGU

Resource Type: data or information resource, portal, topical portal

Keywords: mouse, genetics, gene

Resource Name: MRC Mammalian Genetics Unit

Resource ID: SCR_005378

Alternate IDs: nlx_144449

Old URLs:

<http://www.mrc.ac.uk/Ourresearch/Unitscentresinstitutes/Profiles/MGU/index.htm>

Record Creation Time: 20220129T080229+0000

Record Last Update: 20260919T195052+0000

Ratings and Alerts

No rating or validation information has been found for MRC Mammalian Genetics Unit.

No alerts have been found for MRC Mammalian Genetics Unit.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 236 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Gulliford MC, et al. (2014) Cost-effectiveness of a universal strategy of brief dietary intervention for primary prevention in primary care: population-based cohort study and Markov model. Cost effectiveness and resource allocation : C/E, 12(1), 4.

Jago R, et al. (2014) School travel mode, parenting practices and physical activity among UK Year 5 and 6 children. BMC public health, 14, 370.

Jones EA, et al. (2014) Copy number variation of the beta defensin gene cluster on chromosome 8p influences the bacterial microbiota within the nasopharynx of otitis-prone children. PloS one, 9(5), e98269.

Storm MP, et al. (2014) Zscan4 is regulated by PI3-kinase and DNA-damaging agents and directly interacts with the transcriptional repressors LSD1 and CtBP2 in mouse embryonic stem cells. PloS one, 9(3), e89821.

Rampino A, et al. (2014) Expression of DISC1-interactome members correlates with cognitive phenotypes related to schizophrenia. PloS one, 9(6), e99892.

Wendler JP, et al. (2014) A genome wide association study of Plasmodium falciparum susceptibility to 22 antimalarial drugs in Kenya. PloS one, 9(5), e96486.

Pulcu E, et al. (2014) Increased amygdala response to shame in remitted major depressive disorder. PloS one, 9(1), e86900.

- Elemans M, et al. (2014) Rates of CTL killing in persistent viral infection in vivo. *PLoS computational biology*, 10(4), e1003534.
- Chiu HC, et al. (2014) High-throughput quantitative proteomic analysis of dengue virus type 2 infected A549 cells. *PloS one*, 9(3), e93305.
- Lowry K, et al. (2014) Recombination in enteroviruses is a biphasic replicative process involving the generation of greater-than genome length 'imprecise' intermediates. *PLoS pathogens*, 10(6), e1004191.
- Richardson S, et al. (2014) The impact of televised tobacco control advertising content on campaign recall: evidence from the International Tobacco Control (ITC) United Kingdom Survey. *BMC public health*, 14, 432.
- Cleland CL, et al. (2014) Identifying solutions to increase participation in physical activity interventions within a socio-economically disadvantaged community: a qualitative study. *The international journal of behavioral nutrition and physical activity*, 11, 68.
- Alsford S, et al. (2014) Cathepsin-L can resist lysis by human serum in *Trypanosoma brucei brucei*. *PLoS pathogens*, 10(5), e1004130.
- Palacios L, et al. (2014) Staphylococcal phenotypes induced by naturally occurring and synthetic membrane-interactive polyphenolic β -lactam resistance modifiers. *PloS one*, 9(4), e93830.
- Adab P, et al. (2014) Preventing childhood obesity, phase II feasibility study focusing on South Asians: BEACHEs. *BMJ open*, 4(4), e004579.
- Alam-Faruque Y, et al. (2014) Representing kidney development using the gene ontology. *PloS one*, 9(6), e99864.
- Kew VG, et al. (2014) Mitogen and stress activated kinases act co-operatively with CREB during the induction of human cytomegalovirus immediate-early gene expression from latency. *PLoS pathogens*, 10(6), e1004195.
- Lai MC, et al. (2013) Biological sex affects the neurobiology of autism. *Brain : a journal of neurology*, 136(Pt 9), 2799.
- Carafoli F, et al. (2013) An activating mutation reveals a second binding mode of the integrin $\alpha 2$ I domain to the GFOGER motif in collagens. *PloS one*, 8(7), e69833.
- Walmsley J, et al. (2013) mRNA expression levels in failing human hearts predict cellular electrophysiological remodeling: a population-based simulation study. *PloS one*, 8(2), e56359.