

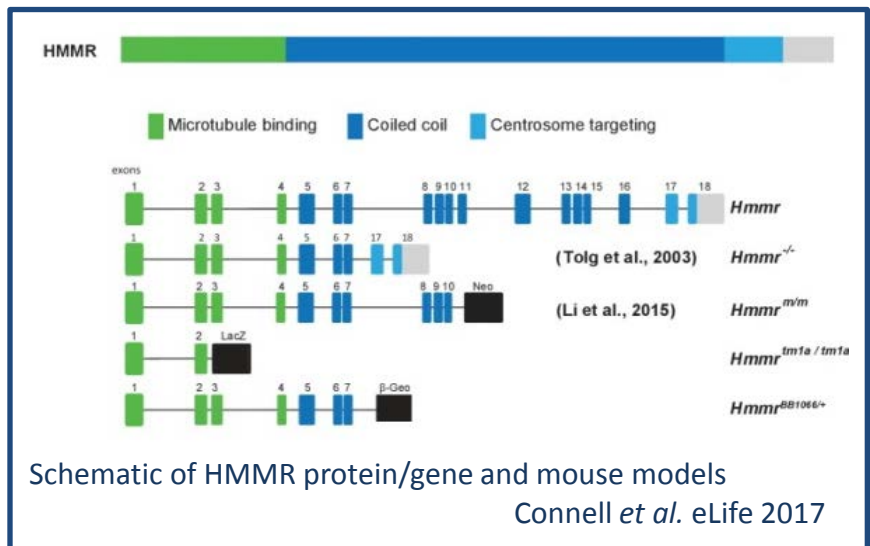


Publication! Maxwell Lab's HMMR Conditional Mouse

Dr. Maxwell's long term goal is the better understanding of the growth, differentiation, and death of neural stem cells, which may highlight new ways to manage brain tumours and improve the long term survival for childhood cancers. In 2013, Dr. Maxwell commissioned the MAPS team to microinject conditionally targeted EUCOMM embryonic stem cells (ESCs) (<http://www.mousephenotype.org/>). After just the first round of microinjection, MAPS was able to produce germline competent chimeras, creating a novel mouse strain for the Maxwell lab. Over the course of 4 years, MAPS supported the Maxwell Lab with breeding their colony and creating multiple alleles (tm1a, tm1c, and tm1d).

In late 2017 the Maxwell Lab published their findings on the role HMMR plays in cell division and neural development. Using the Hmmr-knockout mice they were able to determine the pathway in which HMMR locates active Ran protein and corrects mispositioned spindles.

Make sure to pick up a copy of:



Connell *et al.* 2017 "HMMR acts in the PLK1-dependent spindle positioning pathway and supports neural development" (PMID: 28994651).

We look forward to working with you to further your research

The Mouse Animal Production Service (MAPS) at CMMT provides the research community with cost effective, state of the art technologies for the generation and maintenance of genetically modified mice. Directed by Dr. Elizabeth M. Simpson, the objective of MAPS is to advance discovery through mouse-based techniques.

CONTACT US

For more information on our services or to place an order, please contact us:

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<http://cmmt.ubc.ca/facilities-services/mouse-animal-production/>

