



Research project summary

Defining the Caspase/CAD-Mediated Origin of Alveolar Rhabdomyosarcoma

- Principal Investigator: Lynn Megeney
- Awarded \$707,625 from the Canadian Institutes of Health Research (CIHR) in January 2018

Tumours that develop in muscle are referred to as rhabdomyosarcoma. This is an exceptionally aggressive solid tumour that affects young children and treatment options are limited. One subtype of this cancer, alveolar rhabdomyosarcoma, is caused when two broken genes are repaired to create one gene with cancer causing properties. This phenomenon also occurs in many other cancer types, yet how these broken genes are formed remains unknown. In the current research plan we propose to identify how these broken genes are formed and what factors inside the cell prevent the formation of the rearranged cancer gene.

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