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Childhood-onset movement disorders

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CHILDHOOD-ONSET MOVEMENT DISORDERS:

mechanistic and therapeutic insights
from *Drosophila melanogaster*

Roald Alexander Lambrechts

The research described in this thesis was performed at the Department of Cell Biology and the Department of Neurology of the University Medical Center Groningen, the Netherlands

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mechanistic and therapeutic insights
from *Drosophila melanogaster*

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What a piece of work is man!
How noble in reason! How infinite in faculty!
In form and moving how express and admirable!

(Hamlet; Act II, Scene ii 307-310)

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Pantothenate kinase-associated neurodegeneration
North Sea progressive myoclonus epilepsy