

University of Groningen

## The molecular neuropathology of spinocerebellar ataxia type 23

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- Balance is paramount for the proper functioning of the cerebellum (this thesis)
- Climbing fibres are an essential aspect of the neuropathology of spinocerebellar ataxias (this thesis)
- A promising shared SCA mechanism is disturbed glutamate/ $\text{Ca}^{2+}$  signalling (this thesis)
- Mutations in the Dyn A domain of *PDYN* cause spinocerebellar ataxia type 23 via alterations in the secondary structure of the peptide (this thesis)
- Developmental abnormalities can contribute to neurodegeneration (this thesis)
- Identifying novel SCA genes will shed light onto the shared underlying molecular mechanisms of spinocerebellar ataxias (this thesis)
- Intellectual disability and spinocerebellar ataxia may be biologically more closely related than previously thought (this thesis)
- Any man could, if he were so inclined, be the sculptor of his own brain (Santiago Ramón y Cajal)
- Genius is simply patience carried to the extreme (Santiago Ramón y Cajal)
- All truths are easy to understand once you discover them, the point is to discover them (Galileo Galilei)
- I'm so clever, that sometimes I don't understand a single word of what I'm saying (Oscar Wilde)