

AXE NEUROSCIENCES

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Organoid and assembloid models to study spinal cord development and disease

Jimena Andersen is an Assistant Professor in the Department of Human Genetics at Emory University. Work in the Andersen lab leverages human iPSC-derived region-specific organoids and assembloids as windows into unique aspects of human biology. Building the motor circuit from its parts we are interested in studying cell-cell interactions underlying the development and degeneration of spinal cord motor neurons, with a particular emphasis on ALS. By integrating multi-cellular human models with cutting-edge molecular tools, the Andersen lab maps disease-relevant interactions across cell types and genetic backgrounds, dissects the contribution of glial cells to motor neuron vulnerability, and investigates how disruption of these interactions drives neurodegeneration. The ultimate goal is to map disease-relevant interactions across cell types and genetic backgrounds and identify novel therapeutic targets for ALS and related diseases.

Mardi 21 avril 2026
9h à 10h

A.01.9209AB, CHUM
Ou via Zoom :

<https://us06web.zoom.us/j/81017933300?pwd=E4F3HFXa3s85HbIUP1UzoGrea93FPa.1>

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Code secret: 276828

Séminaire organisé par Valérie Mongrain

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