



## LECTURE

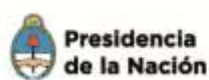
Using stem cells to treat and model neurodegenerative diseases.

### Dr. FERNANDO PITOSI

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His main interests are to understand the functional properties of immune signals on neuronal demise, protection and regeneration and to apply induced pluripotent stem cell-derived neurons to regenerative therapies and disease modelling. Specifically, his group has shown how immune signals can exacerbate Parkinson's Disease, trigger demyelination and increase the differentiation of adult neural stem cells to neurons. In addition, his group has shown neuroprotective effects of mesenchymal stromal cells in a PD model and has generated an in vitro model of epilepsy.

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