



## Psychiatry and Neuroscience Seminar Series 2022



### Pr Oliver BRÜSTLE

(Host MC Angulo)

*Institute of Reconstructive Neurobiology, Bonn, Germany*

## Programming neural cells for disease modelling and therapy development

**Friday, June 3<sup>rd</sup>, 2022, noon**

Room D Levy, 102-108 rue de la santé - 75014 Paris & VISIOCONFERENCE

### Pr Oliver BRÜSTLE

*Institute of Reconstructive Neurobiology, University of Bonn, LIFE & BRAIN Center, Bonn, Germany*

We use embryonic stem cells, induced pluripotent stem (iPS) cells and direct cell conversion technologies for studying the earliest steps in the molecular pathogenesis of neurodegenerative and neuropsychiatric diseases and for devising novel cell therapies.

Today, cell reprogramming and direct cell fate conversion enable standardized derivation of patient-specific brain and spinal cord cells from a few milliliters of blood or a small skin sample. The team uses this unique patient-specific resource for in vitro disease modeling, drug development and personalized medicine including neural transplantation and autologous cell therapy. We have been pioneering the differentiation of pluripotent stem cells into various neural stem and progenitor cell types, which provide an important basis for standardization of our disease modeling and drug testing applications. Pr Brüstle is expert for EuroStemCell.

Keywords:

## Cell reprogramming, cell therapy, iPSC

ZOOM Meeting ID: 865 5860 8268 / Passcode: 741323

LINK: <https://u-paris.zoom.us/j/86558608268?pwd=N2tYa1h2TFVaTlI0a2lsbktkV0Fldz09>

Stay tuned