

Mareike Albert Group

Potential project: **Epigenetic analysis of autism spectrum disorder models**

Preferred Course of Study/Expertise of Candidate: Molecular biology, cell biology, genetics, neurobiology.

The project will be part of a new HORIZON Health consortium focusing on the *Microbiota–Immune–Cognition Relationships from Neonatal Environments to Social Trajectories*. The project will employ techniques to investigate the epigenetic state of different cell types, such as Epi-CyTOF and cell type-specific CUT&Tag (Ditzer, Senoglu et al., Neuron 2025), focusing on brain cell types in different pre-clinical models of ASD. The project is highly collaborative and will involve interactions with our partner groups.