

Gioele La Manno is leading the Neurodevelopmental Systems Biology Lab at EPFL, as the first ELISIR scholar. Dr. La Manno earned his PhD at Karolinska Institutet in the Linnarsson Lab. La Manno's original training is in Biotechnology at University of Palermo and Biomedicine Master Science at Karolinska Institute. Dr La Manno's research focuses on understanding brain development. He is particularly interested in describing the sequence of states that embryonic stem cells go through during their differentiation towards mature neurons. His lab tackling this question using machine learning and probabilistic modelling tools on the wealth of data provided by single cell RNA sequencing, a technique he is working on since its early times.