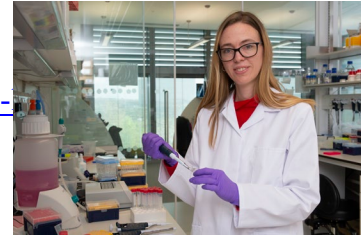


**Dr Madeline Lancaster, Group Leader**  
**Human brain development in cerebral organoids**  
<https://www2.mrc-lmb.cam.ac.uk/group-leaders/h-to-m/madeline->



Dr Madeline Lancaster is a Group Leader in the Cell Biology Division of the Medical Research Council Laboratory of Molecular Biology (LMB), part of the Cambridge Biomedical Campus in Cambridge, UK. Madeline joined the LMB in 2015, after completing a postdoctoral fellowship at the Institute of Molecular Biotechnology of the Austrian Academy of Sciences (IMBA) in Vienna, where she developed brain organoids.

Research in the Lancaster lab focuses on human brain development using stem cells to generate brain organoids that allow modelling of human brain development *in vitro*. The laboratory studies the most fundamental differences between human brain development and that of other mammalian species. The lab also studies cellular mechanisms underlying neurodevelopmental disorders such as autism and intellectual disability.

Madeline was awarded the 3Rs Prize by the National Centre for Replacement, Refinement and Reduction of Animals in Research (NC3Rs) in 2015 for her development of brain organoids, and was chosen as an EMBO Young Investigator in 2019. She was awarded the International Society for Stem Cell Research (ISSCR) Dr Susan Lim Award for Outstanding Young Investigator and a Vallee Scholarship in 2021. Madeline was honoured as the Laureate for Life Sciences in the Blavatnik Award for Young Scientists in the UK and was elected an EMBO member in 2022.