We are looking for a highly motivated PhD student to join our lab of neuroepigenetics at EPFL! Recently, we have discovered that a so far unknown metalloproteinase PM20D1 confers neuroprotection in Alzheimer’s disease (Sanchez-Mut et al., 2018, Nature Medicine). However, how PM20D1 exerts its protective effect remains mysterious. Your role as a PhD student is therefore to elucidate the upstream regulatory and downstream effector pathways of PM20D1, using state-of-the-art molecular, biochemical and epigenetic tools, in combination with both cell culture and mouse in vivo work. Furthermore, you will be implicated in a drug discovery project in which we aim to mimic PM20D1’s neuroprotective effect pharmacologically.

Your background is ideally situated in the field of Alzheimer’s disease or neurodegeneration, with a particular focus on molecular biology and/or epigenetic analyses.

The starting date for this position is mid-2019, with some flexibility towards later start dates.

If you are interested, contact us (@ soledad.andany@epfl.ch) with your CV, your list of publications, a letter of motivation outlining your research interests and why you want to join the lab, as well as the contact details of three references.