



The "[Development of visceral smooth muscle and associated pathologies](#)" team in the PHYMEDEXP laboratory is looking for an assistant engineer for biology studies. The recruited person will be responsible for assisting the research project on the interaction of smooth muscle and the enteric nervous system during development in the chick embryo.

Required profile :

- Higher technician diploma or equivalent + License Pro, or Master1 + 2
- Experience and interest in developmental biology
- Desired experience in imaging
- Desired experience in molecular biology

Environnement : Located in the [PHYMEDEXP](#) laboratory, INSERM U1046, UMR CNRS 9214 in Montpellier, the team studies the development and plasticity of digestive smooth muscle as well as the alteration of this muscle in various functional and tumor pathologies affecting the digestive tract. The team identified the function of the BMP, FGF and HIPPO signaling pathways in regulating the differentiation processes of digestive mesenchymal progenitors into differentiated and functional smooth muscle cells. Recently, the team demonstrated that the enteric nervous system derived from neural crest cells is involved in the regulation of digestive smooth muscle differentiation in the stomach.

Activity : The assistant engineer will be in charge of : electroporation of the chick embryo neural tube, organ culture, transfection in cell culture, histology, analysis by quantitative RT-PCR and Western-blot, confocal imaging and analysis of images. He / she will also participate in the inventory management of the team.

Type de contrat : This CDD funded by an ANR program is for an initial period of one year, with a start date scheduled for January 2022 and a possibility of extension. Candidates are invited to contact Sandrine Faure (sandrine.faure@inserm.fr) and/or Pascal de Santa Barbara (pascal.de-santa-barbara@inserm.fr) by email.