

# Postdoctoral researcher position “Intracellular Compartmentation” team of the Institut Jacques Monod



The **Raote team** “Intracellular Compartmentation” at the Institut Jacques Monod (IJM) in Paris, France, is recruiting a postdoctoral researcher to study collagen secretion in healthy or fibrotic skin cells. The project is funded by the Fondation pour la Recherche Médicale (FRM).

The recruited postdoc should have a strong interest in protein secretion or extracellular matrix (ECM) biology. During their time in the lab, they will acquire skills in high-resolution microscopy, biochemical reconstitutions, and learn to develop a collaborative, interdisciplinary, and competitive research plan.

The Raote lab aims to comprehend the construction and adaptation of the cellular secretory landscape during the development of an extracellular matrix (ECM) in tissues such as skin. Every animal has an ECM, composed of secreted materials that come together to form a biomechanical, three-dimensional scaffold, defining the structure of multicellular tissue. The ECM holds a significant role in our biological makeup, accounting for up to 70% of our dry weight. Its primary constituents are collagens, which alone make up approximately 17% of the body's protein weight. The proper assembly of the ECM relies on cells effectively secreting folded collagens and degrading misfolded ones. When the processes of secretion or degradation go wrong, the ECM is misassembled, as seen in pathologies such as fibrosis or tumours.

The primary objective of the postdoctoral project is to uncover fundamental mechanisms governing collagen sorting in the early secretory pathway and understand how errors contribute to pathological changes.

The recruited researcher will be part of a newly established team led by Ishier Raote at the Institut Jacques Monod, which is a joint CNRS/ Université Paris Cité research unit. The IJM is housed in a Paris Rive Gauche campus in the 13th arrondissement of Paris and hosts research teams with diverse interests ranging from neuronal development, tissue regeneration, and membrane traffic. The working language of the lab is English.

The deadline for the call is **March 19**. Potential applicants should submit their applications [here](#). If you have any questions, please contact Ishier Raote ([ishier.raote@ijm.fr](mailto:ishier.raote@ijm.fr)).

