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PhD Student in *3D skin proteomics*

The Dengjel Lab at the Dept. of Biology, University of Fribourg (www.unifr.ch/bio/en/research/biochemistry/dengjel.html) is interested in skin biology and wound healing (1-2). Within the Swiss National Research Program "Advancing 3R", we establish sophisticated 3D skin cell culture systems to replace mouse xenograft models. In collaboration with the group of Mark Tibbitt, ETH Zurich, we establish scaffold-free and scaffold-based 3D cell culture models and study protein regulation and homeostasis by mass spectrometry-based proteomics. We look for a motivated PhD student with interests in the areas outlined above. Excellent communication skills in English are of benefit.
We offer:

- a stimulating, interdisciplinary scientific environment
- state-of-the-art central facilities for proteomic, imaging and bioinformatic analyses
- a coordinated graduate program (www.unifr.ch/bio/en/studies/graduate-school-fglm/)
- a competitive Swiss salary

The starting date for this position is earliest October 1st, 2022. Interested candidates should send a **SINGLE PDF** application including a CV, a brief statement of their research interests, a copy of their MSc diploma, and names of three referees by email to:

joern.dengjel@unifr.ch

References

(1) Martínez-Martínez E, Tölle R, Donauer J, Gretzmeier C, Bruckner-Tuderman L, Dengjel J. Increased abundance of Cbl E3 ligases alters PDGFR signaling in recessive dystrophic epidermolysis bullosa. ***Matrix Biol.*** 2021 Sep;103-104:58-73.

(2) Vu B, Souza GR, Dengjel J. Scaffold-free 3D cell culture of primary skin fibroblasts induces profound changes of the matrisome. ***Matrix Biol Plus***. 2021 May 12;11:100066.

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