

## Multicolor, deep-tissue imaging cytometry of skeletal/mesenchymal stem cells heterogeneity

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After I graduated from Université de Montréal (Biology, Microbiology & Immunology), I joined the Division of Experimental Medicine (McGill University) where my PhD focused on the use of skeletal/mesenchymal stem cells for cell and gene therapy, tissue engineering and regenerative medicine. For my postdoctoral training I then joined the Institute for Stem Cell Research (Helmholtz Center Munich, Germany) to study the fundamental biology of skeletal stem cells and their interactions with hematopoietic stem cells in bone marrow. I then moved to ETH Zürich (Department of Biosystems Science and Engineering, Basel, Switzerland) where I developed novel quantitative imaging approaches to study stem cells in their native in vivo environment. My current research interests involve studying skeletal stem cells in vivo as potential drug targets in health and diseases.