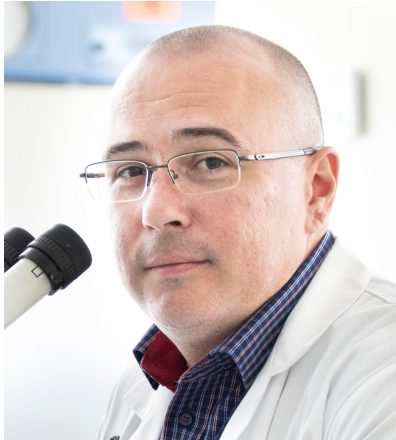


## Daniel Coutu



Daniel is a scientist at the Ottawa Hospital Research Institute (Regenerative Medicine Program) and assistant professor at the University of Ottawa (Dept. of Cellular & Molecular Medicine). He is also the inaugural holder of the Research Chair in Regenerative Orthopedic Surgery (The Ottawa Hospital). He studied gene and cell therapy, regenerative medicine, and tissue engineering during his PhD at McGill University (Division of Experimental Medicine) with Dr Jacques Galipeau. He next studied fundamental stem cell biology at Helmholtz Center Munich (Institute for Stem Cell Research) and then ETH Zürich (Dept. of Biosystems Science & Engineering) with Dr Timm Schroeder. His lab studies the fundamental biology of skeletal stem cells giving rise to bone, cartilage, tendons, ligaments using multi-omics, 3D spectral confocal imaging of large, optically cleared entire organs, and imaging cytometry (computational image quantification). They are also developing novel therapeutic methods to regenerate skeletal tissues after trauma and to prevent their degeneration during aging.

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