PhD project in Cell Biology at the Université de Sherbrooke

RNA splicing regulation in hematopoiesis (expected start date: September 2025-January 2026)

The Quesnel-Vallières lab (https://mqvlab.com) studies RNA splicing in normal tissues and cancer. We seek a PhD student who will undertake the characterization of RNA splicing mechanisms underlying immune system development and function. The experiments will involve the manipulation of RNA binding protein expression and splicing in cell lines and primary blood samples. Your research will be supported by expertise in large-scale transcriptomics. Our projects often involve collaborations with local, national and international research groups to accelerate discovery and elevate the impact of our research. The lab fosters an open culture and strongly values communication. We encourage candidates from diverse scientific, cultural and social backgrounds to reach out.

Please note that courses at the Université de Sherbrooke are presented mostly in French and that some understanding of the language will greatly facilitate your experience as a grad student.

Keywords : Immunology, gene regulation, RNA splicing, immune cell differentiation, lineage commitment

Qualifications:
• B.Sc. equivalent in biochemistry, cell biology, molecular biology, genetics or related field
• Interest in the fields of immune system development, gene regulation and/or RNA splicing
• Substantial research experience and proficiency in common molecular biology techniques (PCR, RT-PCR, cloning, immunoblotting, immunostaining, tissue culture, etc.)
• Independance
• Excellent communication skills
• Desire to work in a collaborative environment
• Strong academic performance

To apply, please send a detailed CV, transcripts and cover letter to:

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