

27 APR

2017

INJURY REPAIR RECOVERY SEMINAR



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BRIL: A Bumpy Ride from Gene Discovery to Treatment.

The *Bril* gene was discovered more than a decade ago. Because its expression was found to be restricted to bone forming cells (osteoblasts), *Bril* was considered then a promising tissue-selective target for therapeutic intervention in the skeleton. To this day, the precise role played by BRIL in bone development, formation, and mineralization remains elusive. However, its contribution as a major determinant of skeletal integrity was demonstrated in humans. A mutated form of BRIL is the genetic cause of the brittle bone syndrome, osteogenesis imperfecta type V. The presentation will review BRIL biochemical features and relevant mouse models that can help decipher its function, and be exploited to develop new technological tools for studying mouse genetics.

Trainee: Theresa Farhat

April 27th, 4 PM -MGH- Osler Amphitheatre -
1650 Cedar Avenue, A6-105, Montreal, Quebec H3G 1A4