

Department of Anatomy and Cell Biology Seminar Series

Hosted by Dr. Stefano Stifani

Arginine methylation and QUAKING as regulators of CNS myelination

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Our laboratory studies the family of proteins termed QUAKING and arginine methyltransferases (PRMTs) in myelination. These proteins are essentially master regulators of oligodendrocyte function and we have shown that the absence of these proteins causes myelination defects (phenotype) in mice. By understanding how the quaking proteins and the PRMTs function, we are able to tease out the molecular details about how oligodendrocytes become mature and