

Department of Anatomy & Cell Biology Seminar Series

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Ucp1-independent thermogenesis: molecular mechanisms and relationship to UCP1

Defining all of the thermogenic pathways and their individual and combined contributions is essential before the translational potential of thermogenic fat can be realized. Our research is focused on the molecular underpinnings controlling energy dissipation by adipocytes through a pathway called the futile creatine cycle. We have identified the effector proteins of the futile creatine cycle. Recent work in the lab has focused on investigating the quantitative contribution and relevance of the futile creatine cycle pathway to thermogenesis in vivo as well as identifying its activation mechanism.



Wednesday, Oct. 25, 2023
11:30am - 12:30pm

 Room 1/12 - Strathcona
Anatomy and Dentistry
Building

Hosted by: Dieter Reinhardt, PhD,
and Carlos Morales, PhD



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