



Thermogenesis by the Futile Creatine Cycle: quantitative contribution and activation mechanism

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Our research is focused on the molecular underpinnings controlling energy dissipation by adipocytes. In recent years, we have focused our attention on a UCP1-independent pathway called the futile creatine cycle. Along with identifying the effector proteins of the futile creatine cycle, and their transcriptional regulation in vivo, we have generated genetic mouse models to explore the quantitative contribution of the futile creatine cycle to thermogenesis and used structural and biochemical methods to elucidate its activation mechanism.



Date: Monday, October 28th, 2024

Time: 3:00 PM

Place: Galbraith Building 35 St. George Street. Room 220