

Vorstand: Ao. Univ.-Prof. Dr. Erich Gnaiger
Schriftführerin: Mag. Verena Laner
D. Swarovski Forschungslabor
Abteilung für Visceral-, Transplantations-, und
Thoraxchirurgie, Medizinische Universität Innsbruck
Schöpfstraße 18, 6020 Innsbruck
Telefon: +43(0)512 566 796
Telefax: +43(0)512 566 796
E-mail: verena.laner@orooboros.at



Naturwissenschaftlich-Medizinischer Verein in Innsbruck (<http://www2.uibk.ac.at/natmedverein/>)

Einladung zum 1. Vortrag im Vereinsjahr 2012/2013

The chemiosmotic revolution: From the mysteries of bioenergetics to a new mitochondrial medicine

The chemiosmotic theory, for which Peter Mitchell was awarded the Nobel Prize in Chemistry, was presented as a hypothesis far in advance of experimental evidence, and it stands as a glorious monument to the scientific method. Mitchell proposed that nature uses protonic batteries to drive ATP synthesis and that biological energy conservation is essentially a problem in membrane transport. Recently mitochondrial physiology has developed as a rich and varied field, including cellular processes such as autophagy, fission/fusion, and apoptosis. Taken together, these developments lead to the foundation of a new mitochondrial medicine. In a brief talk, it will be necessary to focus on one aspect, and I will review recent progress in understanding the K^+ cycle and its role in ischemia-reperfusion injury and cardiac protection.

Keith Garlid, Prof. MD PhD, Department of Biology, Portland State University, Oregon (US)

Wann: 18. Dezember 2012, 18:00 Uhr

Wo: Hörsaal A, Tiefparterre, Fritz-Pregl-Strasse 3, Innsbruck

Gäste sind herzlich willkommen!

Ao. Univ.-Prof. Dr. Erich Gnaiger (Vorstand)

Mag. Verena Laner (Schriftführerin)