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# MitoFit 2019

Conference, January 29, 2019

*Photos: Standortagentur Tirol*



Europäische Union Investitionen in Wachstum & Beschäftigung. Österreich.



Tuesday, January 29, 2019  
16.00 to 19.30 p.m.  
CCB Centre for Chemistry and Biomedicine, M.01.470  
Innrain 80-82, 6020 Innsbruck

16.00 PM **Meet and Greet**

16.15 PM **Welcome**

Dr. Erich Gnaiger, *MitoFit project leader, Medical University of Innsbruck and Oroboros Instruments*

16.30 PM **Reactivation of dihydroorotate dehydrogenase-driven pyrimidine biosynthesis restores tumor growth of respiration-deficient cancer cells.**

Prof. Dr. Jiri Neuzil, *Molecular Therapy Group, Institute of Biotechnology, Czech Academy of Sciences, CZ*

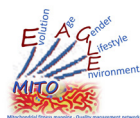
17.10 PM **Skeletal muscle *ex vivo* mitochondrial respiration parallels decline *in vivo* oxidative capacity, cardiorespiratory fitness, and muscle strength: the Baltimore longitudinal study of aging.**

Marta Gonzalez-Freire, PhD, *National Institutes of Health (NIH), Baltimore, US*

17.50 PM **Physical activity unveils the relationship between mitochondrial energetics, muscle quality, and physical function in older adults.**

Paul Coen, PhD, *Translational Research Institute for Metabolism and Diabetes, Florida Hospital/Sanford Burnham, US*

18.30 PM **Networking / Get-together**



## MitoFit 2019 Conference

*Diagnosis of mitochondrial function and mitochondrial injuries represents a current challenge for biomedical research and methodological development.*

### The K-Regio project MitoFit

- addresses these challenges by introducing and extending the approach of cell ergometry as the state-of-the-art functional test of mitochondrial competence.
- aims at developing novel laboratory standards and diagnostic monitoring of a mitochondrial fitness score.
- establishes an international network in Mitochondrial Physiology, supporting translational research on mitochondrial fitness in close collaboration with COST Action CA15203 MitoEAGLE.
- introduces a scientific perspective on the benefits of mitochondrial fitness ranging from outdoor sports to quality of life and healthy ageing supported by physiotherapy.

At the MitoFit conference international keynote speakers present hot-topics on mitochondrial fitness.

Please register online until 28.01.2019:  
[www.standort-tirol.at/mitofit19](http://www.standort-tirol.at/mitofit19)  
The event is free of charge.

*See you at the conference!*

**Dr. Erich Gnaiger**  
*Oroboros Instruments*

**DDr. Petra Stöckl**  
*Cluster Manager Life Sciences Tirol*