As they live and breathe: long chain fatty acids in cellular respiration

**The Charts**

Adriana Febrian at Friedrich-Haber-Institute (HIT) has been selected to receive a prestigious early career grant. The European Research Council (ERC) awarded hitor Adriana Febrian a prestigious early career grant, or ERC Starting Grant, in recognition of her outstanding achievements in fundamental research. Adriana Febrian studies Physics at the University of Groningen, where she completed her PhD in 2018. Her research focuses on the dynamics of complex systems, particularly in the context of biophysics. Adriana Febrian and her group perform research in the ERC project “Cellular Respiration: Coarse-grained Modeling of the Mammalian Respiratory Chain”. Their work aims to understand the complex interplay between the respiratory chain and cellular respiration, and to develop novel strategies to treat diseases associated with metabolic disorders.

**Klaus Tschira Guest Professor at HITS**

The Klaus Tschira Foundation’s science communication program aims to promote an international exchange and collaboration. Since its inception in 2006, HITS has invited international scientists from around the world to work on research projects at HITS.

**Marco Deller (né Weitz)**, 2007: A renowned scientist in a broad range of research areas.

**Max-Planck-Institute for Molecular Biophysics (MPI-MP) in Germany**

**Michael Hildenhagen**, 2008: A highly regarded professor of astrophysics at the University of Heidelberg.

**HITStars won poster prize**

Sarah Buhk and Erik Hartman have won the poster prize at the Computer Science Conference 2023 held in Hamburg, Germany. They were among the 15 best poster presentations at this year’s conference. Hartman is a student of the Molecular Physics program at HITS and Buhk is a PhD student in the Molecular Physics program at the University of Oulu. Hartman and Buhk were among the 15 best poster presentations at this year’s conference.

**Research**

**Beyond the limits – Philipp Poddubniyev, Klaus Tschira Guest Professor at HITS**

Philipp Poddubniyev is a leading expert in the field of molecular and cellular modeling. His research focuses on the development of new computational methods and tools for the study of biological systems. In particular, he is interested in the development of algorithms for the simulation of large-scale molecular dynamics and the study of the behavior of complex biological molecules. Philipp Poddubniyev is currently working on the development of a new computational framework for the study of complex biological systems, which will be used to study the behavior of large-scale molecular systems.

**New employees and visiting scientists**

**Philipp Poddubniyev** (University of Oulu, Finland) will join HITS in March 2023 as a Klaus Tschira Guest Professor. His research focuses on the development of new computational methods for the study of complex biological systems. He will work on the development of new algorithms for the simulation of large-scale molecular dynamics and the study of the behavior of complex biological molecules. Philipp Poddubniyev will work closely with theSET group (led by Eva Laplace) on the development of new algorithms for the simulation of large-scale molecular dynamics and the study of the behavior of complex biological molecules.

**Vita Voca**

The story of the virus can be found at the “Science” portal at https://scilogs.spektrum.de/vita-voca/