



Online seminars on “Iron-sulfur protein biogenesis” 2021/2



Organizers: Roland **Lill**, Philipps-Universität Marburg; Frederic **Barras**, Institute Pasteur, Paris

Time: Thursdays at 5 pm (CET; Paris), 11 am (EST; Boston), 8 am (PST; Los Angeles).

Format: Two speakers per date; each with a 30 min talk + 10 min discussion.

This seminar series is a continuation of the well-received events during the first half of 2021. We are confident of continued interest and look forward to interesting talks and discussions.

Online meeting link:

<https://uni-marburg.webex.com/uni-marburg/j.php?MTID=mbcd19d64948c3479c55125901ef38c5c>

Website: https://www.uni-marburg.de/en/fb20/departments/cyto/copy_of_bilder/bilder-lill/fes-test

Programme

September 23, Chair: Frederic Barras

- Caryn **Outten**, USC Life Without Glutathione: Bypassing the Essential Function of GSH in yeast FeS Cluster Biogenesis
- Caroline **Philpott**, NIH Iron chaperones and the delivery of iron for [2Fe-2S] assembly

October 28, Chair: Roland Lill

- Deborah **Perlstein**, Boston & Antonio **Pierik**, Kaiserslautern In vivo and in vitro recognition of C-termini of cytosolic and nuclear iron-sulfur proteins by the CIA targeting complex
- Simone **Ciofi**, Florence Unraveling the mechanism of maturation of human mitochondrial [4Fe-4S] proteins

November 18, Chair: Patricia Kiley

- Benoit **D'Autréaux**, Gif-sur-Yvette The roles of frataxins in FeS cluster assembly on the evolutionary point of view
- Sandrine **Ollagnier**, Grenoble *E. coli* SUF machinery: the mysterious nature of SufBC2D FeS center

December 16, Chair: Helene Puccio

- Nunziata **Maio**, NIH Newly identified iron-sulfur cofactors in the RNA-dependent RNA polymerase of SARS-CoV-2 are potential anti-viral targets
- Dennis R. **Dean**, V Tech Specificity of assembly and trafficking of the complex nitrogenase iron-sulfur cofactors

January 20, Chair: Nick LeBrun

- Wayne **Outten**, USC Interactions driving FeS cluster biogenesis by the Suf system in *E. coli*
- Jaroslav **Marszalek** & Rafal **Dutkiewicz**, Gdansk Protein-protein interactions critical for the assembly and function of complexes involved in the ISC pathway of FeS cluster biogenesis.

February 24, Chair: David Barondeau

- David **Britt**, UC Davis A proposed mechanism for the biosynthesis of the H-cluster of [Fe-Fe] hydrogenase
- Eranthie **Weerapana**, Boston College Monitoring iron-sulfur cluster occupancy using chemoproteomics