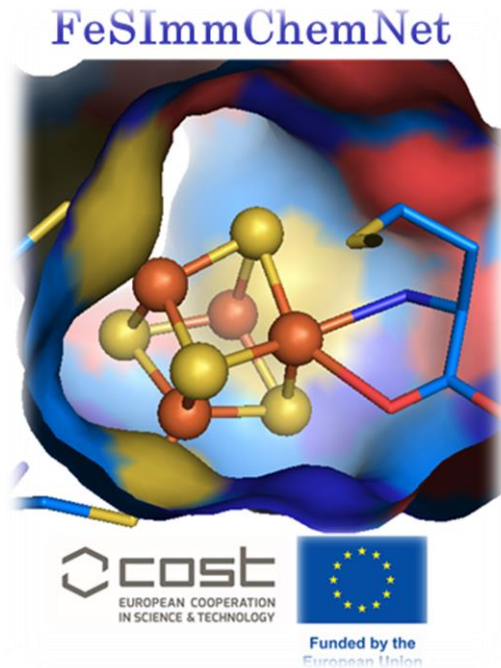


# ***Young Investigator Meeting***

***Application of Computational and Biophysical Methods in Investigating [FeS] Cluster Biochemistry***



CA21115 website: <https://www.fesimmchemnet-cost.com/general-1>

**9-11 August 2023**

**Department of Biotechnology**

**Delft University of Technology**

**Van der Maasweg 9, Delft, The Netherlands**



## Program FeSImmChemNet Young Investigator Meeting 9-11 August 2023

### Day 1 (August 9) - 10.00-17.00hr AS-Waterman Hall, 58.A2.110

- 9:00 coffee and registration
- 10:00 **Peter-Leon Hagedoorn** (Delft University of Technology, The Netherlands) - welcome
- 10:15 **Francesca Cantini** (CERM, Italy) –  
*NMR spectroscopy of metalloproteins*
- 11:00 Break
- 11:15 **Elizabeth Gray** (University of East Anglia, UK) –  
*Stabilisation of the RirA [4Fe-4S] cluster results in loss of iron-sensing function*
- 11:50 **Adrian López Teijeiro** (CiQUS, Spain) –  
*the IC-tagging methodology: a new universal approach for the production and biophysical immobilization of Fe-S cluster containing proteins*
- 12:25 **Milena Dimitrijevic** (University of Belgrade, Serbia) –  
*the power of “an old lady”: UV-VIS spectroscopy analysis of metal complexes*
- 13:00 Lunch
- 14:00 **Ján Gomboš** (Comenius University, Slovakia) –  
*Model neuronal cell line viability associated with mitochondrial dysfunction, iron-sulfur cluster synthesis deficit and iron accumulation*
- 14:35 **Lynne Faherty** (Trinity College, Ireland) –  
*Cigarette smoke-induced dysregulation of iron metabolism alters alveolar macrophage response to Streptococcus pneumoniae: Implications for COPD*
- 15:10 **Deborah Grifagni** (CERM, Italy) –  
*the molecular properties of cluster release in NEET proteins: the case of the monomeric proteins CISD3*
- 15:45 break & group picture
- 16:00 poster session

### Day 2 (August 10) - 10.00-17.00hr AS-Waterman Hall, 58.A2.110

- 10:00 **Kourosh Ebrahimi** (Kings College London, UK) - recap day 1
- 10:15 **Hein Wijma** (Univ. Groningen, The Netherlands) –  
*Computational modeling and design of enzymes*
- 11:00 break
- 11:15 **Shakiba Gholami** (ITQB, Portugal) –  
*Bioinformatics study of an unusual Endonuclease III*
- 11:50 **Macha Dussouchaud** (Institut Pasteur, France) –  
*study of ancestral iron-sulfur cluster [Fe-S] machineries MIS and SMS biogenesis*
- 12:25 **Demokrat Nuha** (Anadolu University, Turkey) –  
*Design, Synthesis, DFT Calculations, and Evaluation of Acetylcholinesterase Inhibitory Activity for Novel 5-Nitrothiophene Derivatives*
- 13:00 Lunch
- 14:00 Career invited lecture – academic career
- 14:45 Career invited lecture – industry/business career
- 15:30 Break
- 15:45 **Nick Le Brun** (University of East Anglia, UK) – Novel techniques to study FeS proteins
- 16:30 Lab tour
- 18.00 Group dinner downtown Delft

**Day 3 (August 11) – Cost action Core group meeting AS-Waterman Hall, 58.A2.110**

10.00-12.00u      hybrid meeting with 10 core group members

