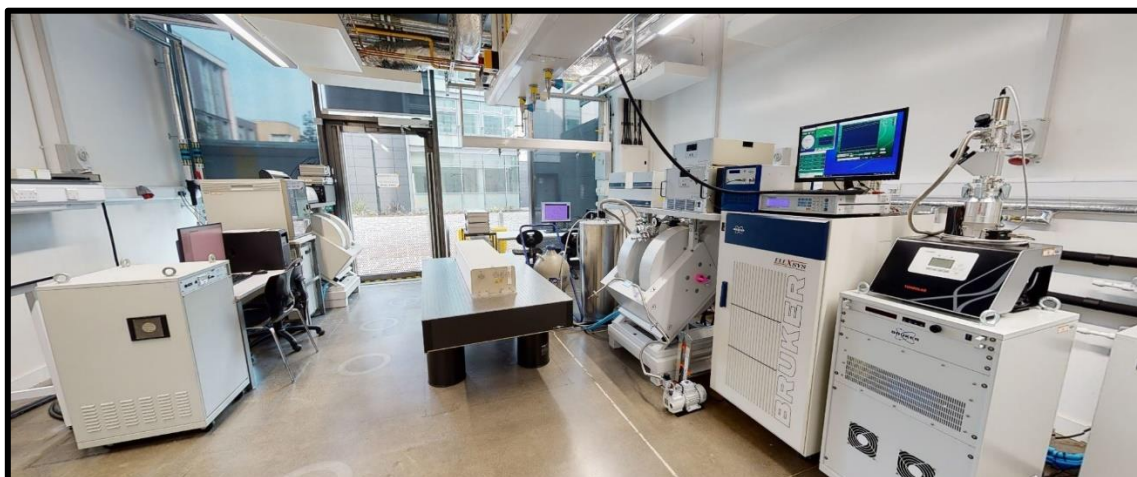
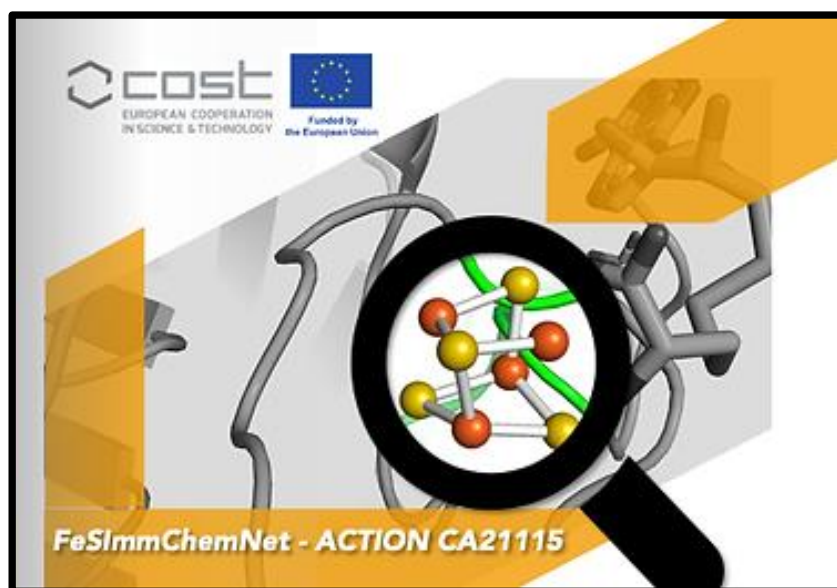


IMPERIAL

PEPR

EPR Spectroscopy Training School

CA21115 / Iron-sulphur (FeS) clusters: from chemistry to immunology
(*FeSImmChemNet*)



11th– 13th September 2024

**Pulse EPR (PEPR) Facility, Molecular Sciences Research Hub (MSRH),
Imperial College London**

Contents

Attendees	3
General Information	3
Directions to the Molecular Sciences Research Hub (MSRH), White City Campus	4
Tutors	5
Groups for the Practical and Computational Work	5
Location of Practical and Computational Sessions	5
Programme	6
In Advance of the Workshop	7

EPR Spectroscopy Training School

CA21115 / Iron-sulphur (FeS) clusters: from chemistry to immunology
(FeImmChemNet)

Attendees

Name	Institution	Email
Jessica Soares	RPTU	jsoares@rptu.de
Ivan Spasojevic	Institute for Multidisciplinary Research, University of Belgrade	redoxsci@gmail.com
Deborah Boes	Delft University of Technology	D.M.Boes@tudelft.nl
Snezana Kovacevic	Institute for Multidisciplinary Research, University of Belgrade	snezana@imsi.bg.ac.rs
Demokrat Nuha	University for Business and Technology	demokratnuha@gmail.com
Macha Dussouchaud	Institut Pasteur	dussouchaud.m@gmail.com
Dimitra Kyriakou	University of Ioannina	d.kyriakou@uoi.gr
Isidora Santrac	Institute for Multidisciplinary Research, University of Belgrade	isidorasantrac@hotmail.com
Tim Lugtenburg	Delft University of Technology	t.g.lugtenburg@tudelft.nl
Karolina Pawlik	University of Wrocław	karolina.pawlik@uwr.edu.pl
Sayeh Shahmohammadi	University of Florence	sayeh9410@yahoo.com
Shakiba Gholami	ITQB/NOVA - Institute of Chemical and Biological Technology António Xavier	s.shakiba.gholammi@aol.com
Ido Dan	Imperial College London	idodan13@gmail.com

General Information

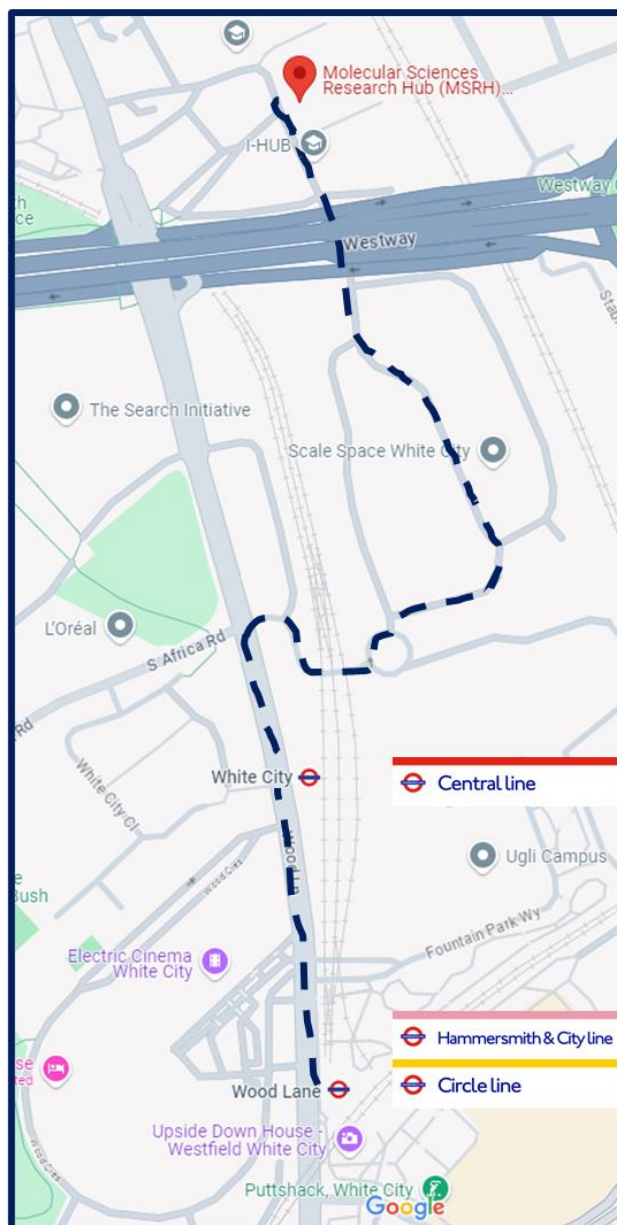
On **Day 1**, please assemble in the reception area of the Molecular Sciences Research Hub (MSRH), White City Campus, 82 Wood Lane, London, W12 0BZ for **8:45 AM**.

Workshop: All lectures and practical sessions will take place in the MSRH, see rooms below.

Coffee Breaks: Refreshments will be available during the designated breaks and will take place in the MSRH. Refreshments are also available in the ground floor cafés of the Molecular Sciences Research Hub (MSRH), Sir Michael Uren Hub, and the Translation and Innovation Hub (I-HUB) buildings.

Lunch: Lunch will not be provided, however can be re-imbursed through the COST Action.

Directions to the Molecular Sciences Research Hub (MSRH), White City Campus



The MSRH at Imperial's White City Campus can be easily accessed by foot from both White City (Central line) or Wood Lane (Hammersmith & City and Circle lines) underground stations. Due to on-going roadworks in the area, it is advised that the highlighted route (navy dashed lines) **via Depot Lane** is used to access MSRH from these stations.

Tutors

Name	Institution	Email
Prof. Dr Wilfred R Hagen (FRH)	Emeritus Professor, TU Delft	w.r.hagen@tudelft.nl
Dr Maxie M Roessler (MMR)	Director of PEPR, Imperial College London	m.roessler@imperial.ac.uk
Alberto Collauto (AC)	PEPR Facility Manager, Imperial College London	a.collauto@imperial.ac.uk
Ciarán Rogers (CR)	PDRA, Imperial College London	c.rogers@imperial.ac.uk
Blaise Geoghegan (BG)	PDRA, Imperial College London	b.geoghegan@imperial.ac.uk
Eleanor Clifford (EC)	PhD Student, Imperial College London	e.clifford@imperial.ac.uk

Groups for the Practical and Computational Work

Group A	Group B	Group C	Group D
Jessica Soares	Snezana Kovacevic	Dimitra Kyriakou	Karolina Pawlik
Ivan Spasojevic	Demokrat Nuha	Isidora Santrac	Sayeh Shahmohammadi
Deborah Boes	Macha Dussouchaud	Tim Lugtenburg	Shakiba Gholami
Ido Dan			

Location of Practical and Computational Sessions

Lectures	CW (X-band)	Pulse (X-band)	PC1	PC2	Day 3 - Pulse
MSRH G.03	MSRH G.09	MSRH G.28	MSRH 1.08	MSRH 1.09e	MSRH G23/24

Programme

	Day 1 (11 th)	Day 2 (12 th)	Day 3 (13 th)
9:00-10:00	Introduction to CW and Pulse EPR (<i>MMR</i>)	Specifics of iron-sulfur protein EPR (<i>FRH</i>)	Advanced pulse EPR methods (<i>CR</i>)
10:00-10:30	Coffee break		Pulse EPR demonstration (<i>All</i>) Finish 12:30
10:30-13:00	CW (X-band) - A (<i>AC</i>)	CW (X-band) - C (<i>AC</i>)	
	PC1 – B (<i>EC</i>)	PC1 – D (<i>EC</i>) *	
	Pulse (X-band)– C (<i>CR</i>)	Pulse (X-band) – A (<i>CR</i>)	
	PC2 – D (<i>BG</i>)	PC2 – B (<i>BG</i>)	
13:00-14:00	Lunch		
14:00-16:30	CW (X-band) - D (<i>AC</i>)	CW (X-band) - B (<i>AC</i>)	
	PC1 – A (<i>EC</i>)	PC1 – C (<i>EC</i>)	
	Pulse (X-band) - B (<i>CR</i>)	Pulse (X-band) – D (<i>CR</i>)	
	PC2 – C (<i>BG</i>)	PC2 – A (<i>BG</i>)	
16:30-17:00	Coffee break		
17:00-18:00	Some practical tricks for metalloprotein EPR (<i>FRH</i>)	Practical session recap (<i>AC</i>)	

* Room alteration (MSRH G.03)

In Advance of the Workshop

Install EasySpin and MATLAB:

- For the **computational sessions** (PC1 and PC2), please bring your laptop (Win/Mac/Linux) **with MATLAB and EasySpin preinstalled**. Ideally, install the latest MATLAB release **R2023a**.
- Download and install the latest **EasySpin development version 6.0.5** from <https://easyspin.org>
- The installation of EasySpin is explained here: <https://easyspin.org/download.html>