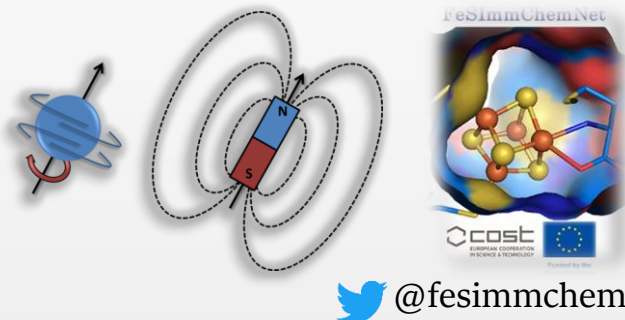


Application of NMR Spectroscopy to Study FeS Proteins



 @fesimmchemnet

5-7 September 2023

University of Florence

Magnetic Resonance Center

Polo Scientifico di Sesto Fiorentino

Italy

Travel, Subsistence and Accommodation, All Costs Covered by:

COST Action – CA 21115 <https://www.fesimmchemnet-cost.com/general-1>

Application Deadline:

July 15, 2023

Application and Enquiries should be sent to:

Prof Mario Piccioli (piccioli@cerm.unifi.it)

Prof Simone Ciofi Baffoni (ciofi@cerm.unifi.it)

Tutors:

Prof. Ricardo Louro (ITQB) – **NMR**

Prof. Wilfred R. Hagen (TU Delft) – **EPR**

Prof. Nick Le Brun (Norwich University) – **Native Mass Spectrometry**

Prof. Mario Piccioli (Univ. of Florence) – **Paramagnetic NMR**

Prof. Simone Ciofi Baffoni (Univ. of Florence) – **Interactomics by NMR**

Prof. Claudia Andreini (Univ. of Florence) – **Bioinformatics**

Prof. Isabella C Felli (Univ. of Florence) – **¹³C NMR**

Prof. Moreno Lelli (Univ. of Florence) – **Solid state NMR**

The school is Opened up to 10 Selected Participants

Accommodation:

Double shared room (Two trainee per room)

[Starhotels Tuscany, hotel Novoli Florence, near Florence airport](#)

Via di Novoli 59, Novoli - San Donato, 50127 Florence, Italy

<https://www.starhotels.com/en/our-hotels/tuscany-florence/>

PROGRAM

Tuesday 5th

9.00-9.10 Welcome – CERM Director

9.10-10.00

Claudia Andreini (Univ. Florence) Bioinformatics of
Metalloprotein

10.00-11.00

R. Louro (ITQB) Paramagnetic NMR, the toolkit

11.00-11.30 Coffee Break

11.30-13.30 Practicals:

Group 1. AV400: ¹H NMR on very large SW, 1D NOE et alia
(E. Ravera- Univ. Florence)

Group 2. Computer Room:

Bioinformatics tools for metalloprotein analysis (C. Andreini-
Univ. Florence)

13.30-14.30 Lunch

14.30-16.30 Practicals:

Group 2. AV400: ¹H NMR on very large SW, 1D NOE et alia
(E. Ravera- Univ. Florence)

Group 1. Computer Room:

Bioinformatics tools for metalloprotein analysis (C. Andreini-
Univ. Florence)

16.30-17.00 Coffee Break

17.00-18.30

Wilfred R. Hagen (TU Delft) EPR: Theory and applications

PROGRAM

Wednesday 6th

9.00-10.30

N Le Brun (Norwich University) Native Mass Spectrometry: Theory and applications

10.30-11.00 Coffee Break

11.00-13.00 Practicals:

Group 2: Interactomics via NMR (S. Ciofi-Baffoni- Univ. Florence)
Group 1: AV500: ^{15}N IR-HSQC-AP, R_1 , R_2 NMR (M. Piccioli-J M da Silva- Univ. Florence)

13.00-14.00 Lunch

14.00-16.00 Practicals:

Group 1: Interactomics via NMR (S. Ciofi-Baffoni- Univ. Florence)
Group 2. AV500: ^{15}N IR-HSQC-AP, R_1 , R_2 NMR (M. Piccioli-J M da Silva - Univ. Florence)

16.00-16.30 Coffee Break

16.30-18.30

M. Lelli (Univ. Florence) – Solid State NMR, an introduction

PROGRAM

Thursday 7th

9.00-10.00

I. Felli (Univ. Florence) – ^{13}C NMR

10.00-11.30 Practicals:

Group 1. ssNMR: How to fill a rotor (M. Fragai-L. Cerofolini-
Univ. Florence)

Group 2. AV700: ^{13}C NMR (M. Schiavina- Univ. Florence)

11.30-12.00 Coffee Break

12.00-13.30 Practicals:

Group 2. ssNMR: How to fill a rotor (M. Fragai-L. Cerofolini-
Univ. Florence)

Group 1. AV700: ^{13}C NMR (M. Schiavina- Univ. Florence)

13.30 Departure