



10<sup>th</sup> > 13<sup>th</sup>  
SEPTEMBER 2024

Palermo University Campus, Italy  
DEPARTMENT OF AGRICULTURAL, FOOD  
AND FOREST SCIENCES

13<sup>th</sup> conference on

**Fast Field Cycling**  
**NMR Relaxometry**



www.ffcrelax.com - for info write to: pellegrino.conte@unipa.it

**PANEL DISCUSSION:** scheduled for Thursday, September 12th, from 4:00 PM to 5:30 PM

**LINK to attend the online event:** <https://events.teams.microsoft.com/event/c7f8b06d-018d-4d39-9795-941c5740c4d4@bf17c3fc-3ccd-4f1e-8546-88fa851bad99>

**Title:** The Past, Present, and Future of FFC in Research, New Applications, and Industry Application

**Field of application:** *MRI Contrast agent, Material and Polymers, Food, Environmental and Agriculture, FFC for medical applications.*

**Objectives:**

- To explore the evolution of FFC in research, as well as its current state and future prospects.
- To highlight breakthroughs, emerging trends, and industry challenges.
- To provide insights on how academia and industry can collaborate for innovation and impact.

**Audience:**

- Ph.D. students, Postdoctoral scholars, Professors, Industry professionals, Research scientists and NMR Relaxometry community in general.

**Format**

- **Duration:** 90 minutes
- **Moderator:** Dr. Manoj Nimbalkar- <https://www.linkedin.com/in/drnimbalkar/>
- **Panelists:** Leading scientists, industry experts, and innovators in the FFC domain:

- **Prof. Dr. Silvio Aime-** Prof. Dr. Silvio Aime is a renowned expert in molecular imaging and nanotechnology, with significant contributions to the development of contrast agents for MRI. His research has advanced the understanding of biomedical imaging and its applications in diagnostic medicine.

- **Dr. Eva Jakab Toth:** Eva Jakab Toth is a distinguished researcher in the field of molecular imaging, particularly known for her work on contrast agents for MRI and their applications in medical diagnostics. Her contributions have significantly advanced the development of targeted imaging techniques in biomedicine

- **Dr. Carlos Mattea:** Dr. Carlos Mattea is an expert in magnetic resonance, with focus on exploring innovative NMR techniques for applications on soft matter materials. His research has contributed to the understanding of molecular dynamics in complex fluids under confinement as well as in the field of biophysics like protein hydration and cartilages.



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- **Prof. Dr. Mecit Halil Oztop:** Prof. Dr. Mecit Halil Oztop is a leading researcher in food engineering, specializing in the processing and preservation of food using innovative techniques like ultrasound and high-pressure applications. His work has significantly impacted the development of sustainable and efficient food processing technologies.
- **Prof. Dr. Pellegrino Conte:** Prof. Dr. Pellegrino Conte is a distinguished soil scientist, known for his research on soil chemistry and the environmental impact of agricultural practices. His work focuses on improving soil health and sustainability through advanced analytical methods and innovative agricultural strategies.
- **Dr. Zsolt Baranyai:** Head Of CRB at Bracco Imaging – Trieste
- **Dr. Sudhakar Parthasarathy:** Dr. Sudhakar Parthasarathy, Ph.D., M.B.A., is a seasoned expert in biotechnology and pharmaceutical innovation, with a strong focus on strategic development and commercialization of cutting-edge therapies. His diverse expertise bridges science and business, driving advancements in healthcare and life sciences industries.
- **Dr. Paul Jonsen:** Dr. Paul Jonsen is a seasoned industry leader with extensive experience in the scientific instrumentation business including the establishment of two European subsidiaries, one for a solid-state NMR business and the other for a preclinical ultrasound imaging business. Having trained in solid state NMR he entered the commercial world from BP Research and has supported scientists in subjects as diverse as polymer science, heterogeneous catalysis through to cardio-vascular, oncology and development biology research

The speakers will be engaged in a dynamic Q&A session and insightful discussion, in which they will respond answer questions posed by the moderator and the audience, including PhD students, to encourage discussion and arouse greater interest among the new generations.