A new NMR company named INVENTO s.r.l. has been established at the "companies incubator" of the University of Torino.



THE MISSION

The strategic mission of INVENTO is to be a high-tech company committed to the development of novel, easy-to-use, analytical procedures for the characterization of complex matrices in the field of bio-medicine, food and material sciences.

One of the company's goals is to offer academic researchers the proper support in developing new applications of FC relaxometry to address major biomedical and industrial problems.

The innovative solutions to be developed will mainly be based on the use of the NMR Field-Cycling Relaxometry methods (i.e. the exploitation of the magnetic field dependence of primarily water proton relaxation times, and possibly other magnetically active isotopes as well as other chemical species).

Our aim is to make this technique a powerful tool in the field of analytical methods and quality assurance achieved in terms of a higher level of reliability, precision and cost-effectiveness.

THE COMPANY

INVENTO is an Italian company based in Torino (Italy) at the so-called "Incubator" of the University of Torino.

The company has been created as a partnership between Stelar www.stelar.it (specializing in the conception, development and commercialization of NMR instrumentation) and University of Torino researchers skilled in the field of NMR relaxometry.

The activities of **INVENTO** are being carried out in the modern laboratories of a new facility of the University of Torino, with the access to the following Instruments & Equipments:

- ✓ Fast Field Cycling relaxometer
- ✓ High resolution NMR spectrometer
- ✓ Solid state NMR spectrometer
- ✓ IR with Imaging
- ✓ ICP-MS
- ✓ SEM (Scanning Electron Microscope)
- ✓ TEM (Transmission Electron Microscope)
- ✓ UV-VIS Spectrometer
- ✓ Mass Spectrometer
- ✓ analytical and preparative HPLC

THE SCIENTIFIC BOARD

The primary mission of **INVENTO** is to stimulate the development of new applications of NMR relaxometry and FC NMR relaxometry. We believe that important analytical applications of NMR Field Cycling could arise from the scientific achievements attained in the last decades in basic research in this field.

With this new spin-off company, Stelar's aim is to offer interested NMR FC users the support and a proper venue to develop and exploit promising new ideas and potential applications of FC relaxometry to address crucial problems in fields ranging from health, to food science and manufactory industries.

Having this objective a scientific board composed of specialists in the main areas of application of FC NMR Relaxometry (biology and material sciences, MRI contrast agents, food, liquid crystals, polymers) has been created.

The following scientists have accepted to enter the Scientific board of Invento:

Dr. Silvio Aime

Dr. Peter Belton

Dr. J.P. Korb

Dr. Reiner Kimmich

Dr. Claudio Luchinat



Please do not hesitate to contact us We would be delighted to discuss your idea