

# Press Release

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## **Launch of Shimadzu European Innovation Center New solutions for tomorrow**

### **Merging cutting-edge analytical technologies with scientists' expertise / Innovations-oriented exploration of four focus areas / Clinical applications, imaging technology, food, and composites**

Shimadzu, one of the world leaders in analytical instrumentation, has introduced its European Innovation Center. This innovations-oriented Think Tank is a unique approach combining scientific and technological know-how in order to use Shimadzu's expertise to provide even more customer-focused service. It merges the cutting-edge analytical technologies of Shimadzu with game-changing topics and expertise in markets and science covered by opinion leaders, strategic thinkers and scientific experts in order to create new solutions for tomorrow.

Shimadzu's European Innovation Center applies a decentralized structure to be in close local proximity to scientists and related markets. This provides direct access to the users as well as to projects and samples.

### **Clinical applications, imaging technology, food, and composites**

With their leading-edge research expertise, highly-reputed scientists from well-known European universities cover the academic part of the Shimadzu European Innovation Center. For years, they have cooperated with Shimadzu in various projects. Their scientific focus areas include clinical applications, imaging technology, food, and composites, with an emphasis on new methods, tools, techniques, diagnostics, and solutions. Their work will, for example, further facilitate bridging the gap between analytical and medical research, and further improve patients' health as well as consumer and environmental protection.

### **Innovations-oriented exploration of four perspectives**

With regard to clinical, imaging, food, and composites, the Shimadzu European Innovation Center explores four focus areas:

- Trends & Demands: based on European needs and demands
- Adaptation & Development, i.e. special accessories and jigs, adaptations, special software, new and special methods
- Compliance to European regulations, such as official regulations and standards, local rules and languages

- Strong cooperation: between Shimadzu's Innovation Centers and Shimadzu's R&D team, developing global solutions based on global needs.

"It is our commitment to society and ourselves that Shimadzu remains dedicated in our pursuit of technology and accumulation of knowledge, so that we can offer even more outstanding technologies, products, and services, so as to be recognized for excellence in the field of science", said Dr. Teruhisa Ueda, President and CEO of Shimadzu Corporation. So far, other Shimadzu Innovation Centers are located in Maryland, USA, Singapore and Beijing, China where they serve as drivers of joint research and new product developments.

Analyzers involved in the European scientists' research projects in particular include liquid chromatography, LC-MS, material testing, and life sciences. These are a few examples of lab instruments featured in the Shimadzu European Innovation Center program:

- Nexera UC – the system enables a wide range of applications, like the monitoring of pesticides in food, research of biomarkers or additives in polymers. Nexera UC is the first Unified Chromatography and fully-automated system worldwide to combine Supercritical Fluid Extraction (SFE) with Supercritical Fluid Chromatography (SFC)
- CLAM-2000 – targeting pharmaceutical and medical departments as well as biological analysis labs, CLAM-2000 has been the world's first system to perform all steps fully automatically from pretreatment of the sample to LC-MS analysis
- iMScope – this revolutionary technology of iMScope TRIO combines an optical microscope with a mass spectrometer. It is used in innovative research and development and identifies what the viewer sees on a molecular level
- USF-2000 – within 6 days instead of at least one year, USF-2000 provides the most time- and cost-efficient test procedure for reliable service life data, e.g. of composite materials

### **Web summary**

Shimadzu has introduced its European Innovation Center in Duisburg, Germany. This innovations-oriented Think Tank combines academic-scientific and technical expertise to use Shimadzu's expertise to provide even more customer-focused service. It merges the cutting-edge analytical technologies of Shimadzu with the game-changing topics in markets and science covered by opinion leaders, strategic thinkers and scientific experts in order to create new solutions for tomorrow. With their leading-edge research expertise, highly-reputed scientists from well-known European universities contribute to the Shimadzu European Innovation Center. Their scientific focus areas include clinical

applications, imaging technology, food, and composites with an emphasis on new methods, tools, techniques, diagnostics, and solutions. Shimadzu analyzers involved in the European scientists' research projects in particular include liquid chromatography, LC-MS, material testing, and life sciences.



**Figure 1:** The Shimadzu European Innovation Center combines the cutting-edge analytical technologies of Shimadzu with the research skills of scientists. It focuses on clinical applications, imaging technology, food, and composites using Shimadzu's expertise to provide even more customer-focused service.

Web link: [www.shimadzu.eu/european-innovation-center](http://www.shimadzu.eu/european-innovation-center)



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