

On Monday 12<sup>th</sup> of November 2018,

Ceremony to mark JEOL NMR spectrometer installations at IOCB in Prague

JEOL Europe, has installed two of its high field NMR spectrometers in a new laboratory at the Institute of Organic Chemistry & Biochemistry (I.O.C.B.), part of the Czech Academy of Science.

A special inauguration ceremony and professional seminar was held at the IOCB in Prague following the successful installation of a JEOL 600 MHz NMR spectrometer for solid state NMR equipped with the Ultra-Fast MAS probe and a JEOL 500 MHz NMR spectrometer with the new JEOL ROYALPROBE-HFX for liquid analysis.

The launch event marked the latest in a series of installations of NMR spectrometers by JEOL in academic institutions in the Czech Republic. Guests from other Central European universities also attended the seminar and ceremony in the Institute.

The IOCB is a leading scientific institution in the Czech Republic as well as on the European and world scale. IOCB is one of the 54 institutes in The Czech Academy of Sciences of the Czech Republic, the institution's primary mission is to conduct basic research in a broad spectrum of the natural, technical and social sciences and the humanities. IOCB as a separate scientific institute has a history of 60 years of successful basic research in the organic chemistry, biochemistry, chemistry of natural products and theoretical chemistry.

Dr David Šaman Ph.D. Head of the Research-Service Group, NMR and Molecular Spectroscopy at the IOCB, said: *"We made our choice based on open competition and the reason we bought the JEOL spectrometers was the quality of production, the fact that JEOL produce the one millimeter probe, which allows us to measure the solid state at high speed and much improved resolution, and of course the price."*

Dr Zdeněk Hostomsky, Director of the I.O.C.B., cut the tape at the entrance to the laboratory with Bruno Achard, President Directeur Général of JEOL (EUROPE) SAS, who said: *"We are particularly proud of our involvement with the IOCB. We carried out our first installation in the Czech Republic in 2012 and we have now installed 15 different units throughout the country and we are seeing a significant increase in demand for our NMR spectrometers in the central European region."*

The New JNM-ECZ High field NMR series is booming. Recent installations of 400 MHz, 500 MHz and 600 MHz for liquid, but also for solids experiments is proving the excellent performance of these systems. With new probes making it possible to do 3 channel experiments on a two channel spectrometer JEOL is showing the way to modern NMR systems at lower cost of ownership. Improvements to JEOL's application center in the UK

together means the company can now demonstrate the wide range of system configurations.

For more than 60 years, JEOL has produced high performance NMR spectrometers for structural analysis of chemical compounds, protein/drug interaction, organic synthesis, and genetic engineering. The NMR spectrometer is an indispensable tool for structural determination of molecules, molecular motions, and interactions. JEOL offers a wide range of high-performance NMR spectrometers ranging from 300MHz to 800MHz and beyond.



*Photo courtesy of Dr Jan Machacek*

To see the inauguration video, click here <https://vimeo.com/303023854>

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