



CATRIN

Czech Advanced
Technology and Research
Institute



Palacký University
Olomouc

MSCA POSTDOCTORAL FELLOWSHIP



SUPERVISOR

Assoc. prof. Jan VANCO

A committed academic and senior researcher at the Czech Advanced Technology and Research Institute with more than twenty years of experience in the field of bioinorganic chemistry.

He obtained a formal education in **Pharmacy** and **Medicinal Chemistry**. Co-authored over 100 scientific articles, nine national and international patents, and seven utility models. He is involved in the **inter-disciplinary research of biologically-active coordination compounds**, involving the synthesis of coordination compounds containing different types of ligands, characterization of the compounds and studies of their biological features at molecular, cellular and *in vivo* levels.

PREFERRED RESEARCH TOPICS

Synthesis and biological activity of transition metal complexes with the emphasis on the organometallic compounds and their anticancer and/or anti-inflammatory properties.

CANDIDATE REQUIREMENTS

Ph.D. no longer than 8 years in chemical sciences, preferably inorganic or medicinal chemistry.

Previous residence in the Czech Republic no longer than 12 months in last 3 years.

Submit your CV, a **research outline** (including research objectives, novelty, state-of-the-art and references), and a separate **list of your 5 most important publications** within the last 5 years by **August 1st, 2025** to the e-mail address jan.vanco@upol.cz.

HOSTING INSTITUTION

CATRIN – Czech Advanced Technology and Research Institute – is a scientific hub that consolidates top research capacities of **Palacký University Olomouc** in Nanotechnology, Biotechnology, and Biomedicine, being equipped with the state-of-the-art instruments and laboratories and having strong network of academic and business partners.

Bioinorganic chemistry research has a long-standing tradition among the natural science research at Palacký University Olomouc. There are considerable **international bonds with top international teams** working in the field, and thus, the postdoctoral fellowship can **strengthen your promising research career in the strongly interdisciplinary research** and development of new bioactive compounds.

BENEFITS OF OUR MSCA-PF

- Access to cutting-edge scientific infrastructure, including modern laboratories and all essential methods for comprehensive chemical and physical characterisation of chemical structures and interactions of the coordination compounds with biomolecules.
- Access to fundamental and advanced biochemical and molecular biology methods for the studies of biological activities at the molecular and cellular levels.
- Collaboration with leading national and international teams, enabling advanced testing at *in vitro*, *in vivo*, and *ex vivo* levels.

For more information about the MSCA-PF programme, visit : www.catrin.com/msca-pf/

For more information about our work, please visit the website of our workgroup at:

www.rcptm.com/groups/biologically-active-complexes-and-molecular-magnets/



www.catrin.com