



**Department of Organic Chemistry
Faculty of Science,
Palacký University, Olomouc**

Would like to invite you to the PhD defense by:

Mgr. Veronika Šlachtová

with topic:

“Synthesis of Novel Potential Antituberculotics”

With approximately a quarter of the world's population infected by M. tuberculosis, TB disease still represents a severe public health problem and research on new anti-TB compounds with a novel mechanism of action is inevitable. In the context, the ultimate goal of the thesis was the synthesis of novel chemical entities with potential antitubercular activity in term of the new synthetic methodology development. The design of particular compounds reflected selected molecular targets at Mtb or the host level and drug discovery approaches, namely mycobacterial virulence factors, ATP synthase and phenotypic screening, respectively. Synthesis of the corresponding heterocyclic chemical libraries then comprised the backbone of the defended doctoral thesis.

**The defense will take place on October 14th, 2021 at 12:00 in a room 6.014 at
Faculty of Science, 17. listopadu 12, Olomouc.**