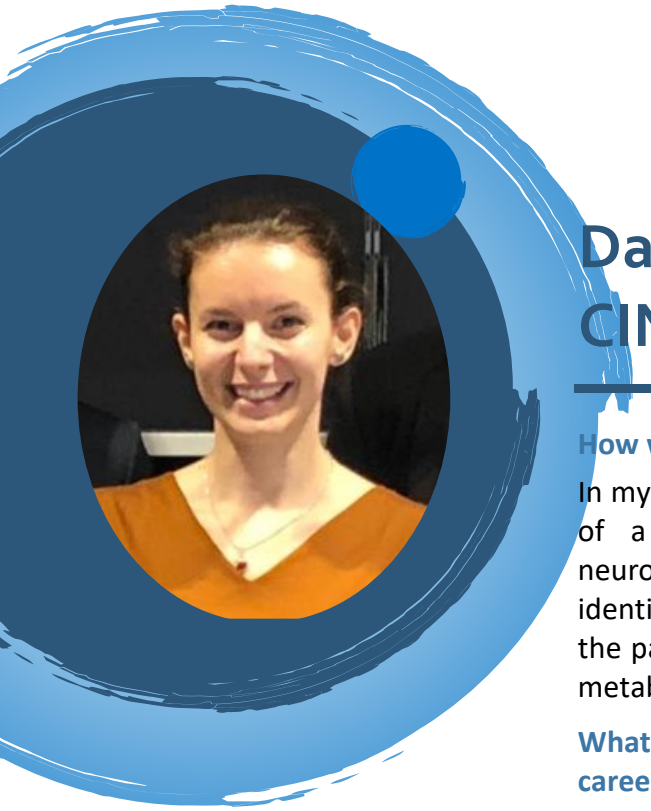

Daniela CINTULOVÁ

Finishing year: 2019

Supervisor: Marko Mihovilovic, TU Wien

Co-Supervisor: Harald Sitte, Medical University of Vienna

Thesis title: Synthesis and biological profiling of bioactive molecules for the investigation of monoamine transporters.

Current Position and Employer: Pharmacovigilance associate at Cognizant Technology Solutions, Budapest, Hungary

MolTag alumni page:

Daniela Cintulova (univie.ac.at)

Social network:

Daniela Cintulova | **LinkedIn**

How would you summarize your thesis results in 3 sentences?

In my thesis we carried out chiral chemical synthesis of metabolites of a party drug mephedrone. We then investigated their neuropharmacological profile on monoamine transporters and identified metabolites that could contribute to the overall effect of the parental drug. We also confirmed stereo- and enantioselective metabolism of mephedrone in the human body.

What was the impact of the MolTag program on your further career?

Right now I am working in pharmacovigilance and therefore reading tons of medical literature every day. I am a chemist by training but thanks to Moltag I was working on a project which was highly interdisciplinary - apart from chemistry I did pharmacology, neurology, biological analysis, analytics, computational simulation. Now I have no problem to navigate myself through medical and pharmacology terms and publications.

What did you particularly like about the MolTag program?

The interdisciplinary aspect of it. **I love learning new things and Moltag enabled me to do this. There was no problem to reach out for cooperation.** I enjoyed the interdisciplinary meetings, brainstormings, coordination of the projects across many fields. **I think it prepared me perfectly for any job afterwards.**

What is your recommendation for current MolTag PhD students?

If you can, become friends with your fellow Moltag students. Apart from gaining like-minded friends, the projects will proceed exponentially. The best ideas came out of hanging out together. Moltag is not a competition, it is a cooperation. Most importantly, have fun at what you are doing, even if things are not going smoothly. You are here to try out, make mistakes, learn and eventually become an independent scientist.

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