



Amir SEDDIK



Finishing year: 2015

Supervisor: Gerhard Ecker,
Faculty of Life Sciences,
University of Vienna

Thesis title: Substrate
selectivity profiling of the
human monoamine
transporters

**Current Position and
Employer:** Data scientist at
Visa Consulting & Analytics,
Kuala Lumpur, Malaysia

MolTag alumni page:

[Amir Seddik \(univie.ac.at\)](#)

Social network:

[Amir Seddik | LinkedIn](#)

How would you summarize your thesis results in 3 sentences?

My doctorate research has contributed to a better understanding of how monoamine molecules selectively bind to transporter proteins. Such research is fundamental to the improvement of currently used medication. The methods I used were primarily computational modelling, such as genetic algorithms, regression, classification, molecular dynamics simulations and binding free energy calculations. I supervised other students in applying these techniques, and reported my findings to post-doctorates, professors and at (international) conferences.

What are you doing now?

I help Malaysian banks improving their analytical capabilities.

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

I learned to manage different stakeholders, networking, programming, machine learning.

Did you keep connections with some former colleagues?

Yes definitely! I keep contact regularly with many former colleagues who are all around the world.

What did you particularly like about the MolTag program?

The fact that people come from different parts of the world, the courses on pharmacology and chemistry, **getting to know Austrian culture, the possibility to attend European and international conferences and much more.**

What is your recommendation for current MolTag PhD students?

To think well about where you want to see yourself after the PhD, because you should see your PhD as a preparation for the next step in your career. To come for yourself and to participate in (steering) committees with professors and express your opinions and ideas...

