

## PAID MASTER'S THESIS

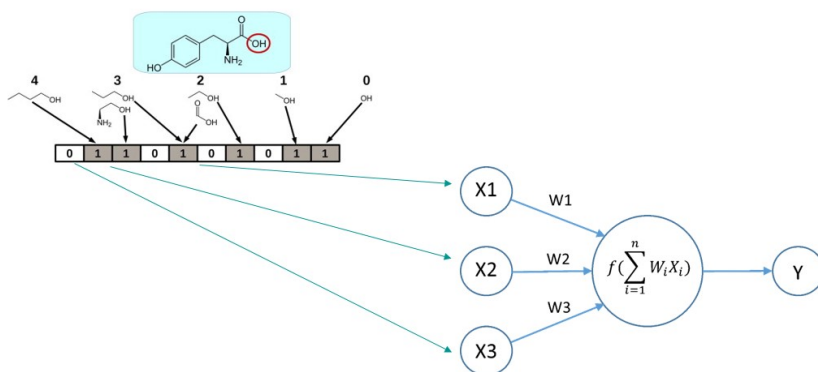
### Improving a Bitter Receptor's Ligand Predictor

Ref.Nr. DA131

To dedicated students of computer sciences, medical engineering, cheminformatics, biotechnology, or related disciplines, we offer an opportunity to write a paid Master's thesis. The project is conducted in close cooperation with industry to develop a *machine learning (ML)* tool to predict the bitter taste of food and pharmaceutical compounds

#### OBJECTIVE:

1. Literature research for data enrichment.
2. Data analysis
3. Fine tuning of diverse models based on machine learning algorithms
4. Generation of a user interface (UI)



#### REQUIREMENTS:

1. Good knowledge in Python language
2. Basic knowledge in chemistry.
3. Experience in software development is desired

#### WITHIN THE FRAMEWORK OF THIS DIPLOMA/ MASTER'S THESIS WE OFFER THE FOLLOWING:

- Extensive participation in a top-level and industrially relevant research project in an international environment
- Supervised training in the task
- Assistance of experienced staff with the implementation of innovative ideas
- Access to highly modern infrastructure on campus of Graz University of Technology
- Assistance with the publication of results
- Adequate compensation and opportunities for personal and professional development

#### FINANCING: Compensation on the basis of a service contract

If you are interested in writing your thesis at the interface between university research and industry/business and to contribute to the optimization of product and process development in the pharmaceutical industry, please contact us indicating the reference number.

#### Research Center Pharmaceutical Engineering GmbH

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