

## Master thesis: Role of lipolysis in lung cancer cell aggressiveness

Following our recent publication regarding the role of lipid mobilization in lung cancer cell aggressiveness (Tomin *et al.* J Proteome Res. 2018.17(4):1415-1425) we would like to further expand our knowledge on the role of lipolysis in a panel of lung cancer cell lines in which we will genetically overexpress and/or knock out Adipose Triglyceride Lipase (ATGL) and its coregulatory CGI-58 and analyze cellular phenotypes related to cancer aggressiveness.

Therefore we are looking for an enthusiastic

### Master student

(m/f)

To perform:

- Cell culture
- Lentiviral overexpression
- CRISP-Cas9 technology
- Western blotting
- Cell imaging
- Proteomics

What do we offer?

- Training and mentorship in state of the art technologies and on a hot topic in cancer research
- Financial support
- Fun time in nerdy group of enthusiastic scientists

Requirements:

- High commitment to experimental work starting from Oct. 1<sup>st</sup>, 2018
- Prior lab work experience in cell biology, biochemistry and molecular biology is beneficial
- Good level of English proficiency

Please send your CV and few sentences why you would like to join our lab to [ruth.birner-gruenberger@medunigraz.at](mailto:ruth.birner-gruenberger@medunigraz.at)

**Deadline for application: 15<sup>th</sup> of September 2018**

For any additional questions contact:

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