



European Research Council  
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## Master Thesis in Leukemia Genomics / Bioinformatics

The ERC-funded group of Florian Grebien at the University of Veterinary Medicine (Vetmeduni) Vienna is looking for a highly motivated Master student to investigate the genomic complexity of Acute Myeloid Leukemia (AML).

The project aims at a functional understanding of molecular mechanisms leading to the development of AML. The student will use cutting-edge bioinformatic tools for the investigation of cancer genomes to identify novel regulatory regions that influence leukemogenesis. In addition to a solid education in cancer genomics and bioinformatics, this thesis will provide deep insights into leukemia biology, functional genomics and translational research.

The successful applicant will join a dynamic multidisciplinary laboratory that is performing top-level cancer research (Skucha et al., *Nat Commun* 2018, Eder et al., *Bioinformatics* 2016). The project will be carried out under the supervision of an experienced bioinformatician, but close interaction with wet lab scientists will be required. The Grebien laboratory will move to a completely refurbished research infrastructure at the campus of the Vetmeduni Vienna in fall 2018. The research team will be embedded in the bioinformatics infrastructure of the Department of Biomedical Sciences at Vetmeduni Vienna, fostering experience in cancer research, genetics and statistics.

### Candidate Profile:

- BSc Degree in Bioinformatics, Biostatistics, Computational Biology or equivalent qualification
- Experience with working in a LINUX/UNIX environment
- Hands-on experience with shell scripting
- A solid background in at least one scripting or programming language like Python, Perl, C, C++, C#, Java, etc.
- Basic database knowledge
- Basic understanding of statistical analyses and their application in R/Bioconductor
- Precise and reproducible work- and documentation-style
- Experience with Next Generation Sequencing data analysis is a plus, especially variant calling, SNP or CNV analysis
- Fluent in English and good communication skills

### Application Details:

If you would like to be part of a dynamic and ambitious research group, please send a cover letter, a detailed curriculum vitae, reference letters and contact details of two suggested referees to [thomas.eder@lbicr.lbg.ac.at](mailto:thomas.eder@lbicr.lbg.ac.at)

Projected starting date: November 2018 or later

Application deadline: October 7, 2018

Financial support will be provided according to the guidelines of the FWF (440 € / month).

For more information please visit: <http://lbicr.lbg.ac.at/en/grebien-research-group>