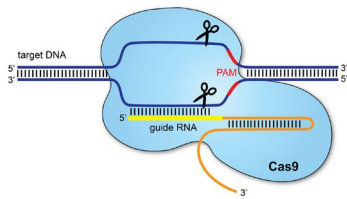


Master Student Position in Elling Lab

The Elling Lab at IMBA Vienna is searching for a motivated Master student. Our group is specialized on various modalities of genetic screening, foremost CRISPR/Cas9 screens. The available project aims to contribute towards the goal of establishing a new CRISPR/Cas9 screening paradigm for complex systems such as in organoids and in vivo.



CRISPR screening has revolutionized interrogation of gene function in various assays. However, genome wide screens at high resolution remain limited to simple 2D cell culture models. *In vivo* as well as in organoids representation bottlenecks are generated by low infection efficiency, cell availability, engraftment efficiency and differentiation bias that hinder high resolution genetic screening. We have recently developed an IP-protected paradigm that empower screening also in systems with these kinds of bottlenecks, foremost *in vivo*.

To empower genetic screening at high throughput we are also developing new methods for the generation of transgenic cell lines.

The Master project candidate should have experience in cell culture and standard molecular techniques. An early starting date is strongly preferred. Applications highlighting relevant practical experience may be addressed to me directly via email until the end of August. Looking forward to meeting you!

Ulrich Elling

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