

Internship at Novartis Institutes of Biomedical Research, PreClinical Safety

Time frame: 6-12 months, starting September 2019

Project description:

The Biochemical & Cellular Toxicology section within the PreClinical Safety department is looking for a highly motivated student, to work in an interdisciplinary team on the **evaluation and validation of intestinal and kidney organoids as *in vitro* model for safety assessment**. In more detail, this includes e.g. treatment with well-characterized drugs to assess the interspecies as well as the *in vitro/in vivo* translatability from animal to human. Practically, it comprises work with primary cells, cell lines and organoids, various imaging techniques, protein/RNA extraction, western blot and gene expression analysis and biochemical assays.

Beside practical bench work and interaction with the core team, the student will be able to benefit from expert input via periodic reviews and seminars and as such broaden his/her understanding of a scientific investigative approach in safety assessment.

Minimum requirements:

- Bachelor degree in Life Science, Medicine or similar
- wet lab experience in cell culture, biochemical assays and molecular biology
- good English skills, verbally and in writing
- high motivation and curiosity
- ability to work independently as well as in the team

Contact:

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