



## **Student intern (all genders) - Innate Immunity**

### **About BioMed X**

BioMed X is an independent research institute located on the campus of the University of Heidelberg in Germany, with a worldwide network of partner locations. Together with our partners, we identify big biomedical research challenges and provide creative solutions by combining global crowdsourcing with the local incubation of the world's brightest early-career research talents. Each highly diverse research team at BioMed X has access to state-of-the-art research infrastructure and is continuously guided by experienced mentors from academia and industry. At BioMed X, we combine the best of two worlds - academia and industry - and enable breakthrough innovation by making biomedical research more efficient, agile, and fun.

### **About Translocation of Complex Macromolecules Across the Intestinal Epithelial Barrier (TMI)**

The main objective of the research group TMI, headed by Dr. Kyungbo Kim, is to discover novel transport mechanisms in the human intestinal tract which could be utilized for oral-systemic delivery of diverse therapeutic modalities (e.g., peptides, oligonucleotides, and antibodies). Studies will involve isolating intestinal cells, generating intestinal organoids from human subjects, and creating an organotypic assay system of the intestine. The project's cores are to develop a ligand specific for a target cell and establish quantitative assessment methods to monitor macromolecular drug delivery across the intestinal epithelial barrier. Our final goal is to create a novel delivery platform that can be utilized to develop a new generation of oral immunotherapies to benefit patients.

### **The Position**

We are looking for a part-time employee to assist the team in daily work in flow cytometry and spatial proteomics analysis. The ideal candidate(s) will be an MSc student in cell biology, biochemistry, or a related field.

### **Required skills**

- Hands-on experience in flow cytometry
- Good documentation skills with close attention to detail
- Excellent work organization skills
- Excellent communication skills in English

### **Additional preferred skills**

- Experience with spatial proteomics analysis software such as QuPath or Visiopharm.
- Experience with microscopy techniques (*e.g.*, confocal microscopy & live-cell imaging)
- Theoretical background in cell sorting and immune profiling
- Experienced in working in interdisciplinary teams

The position is available as of **15 September 2023**. Please submit your application to Dr. Kyungbo Kim ([kim@bio.mx](mailto:kim@bio.mx)). Applicants will be interviewed upon incoming documents, hence please get in touch as soon as you decide to apply.

### **Contact**

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