



The Munich, Germany **SFB 1243 Cancer Evolution** consortium is now hiring for
a postdoctoral position

The Challenge

Although many mechanisms and pathways of tumor formation are known, providing efficient targeted therapies to treat cancer, the frequent emergence of resistant tumor cells and cancer relapse present an immense clinical challenge. Recent technological developments, such as high-throughput sequencing, single cell genomics and genome engineering, now open unprecedented possibilities to study cancer evolution and its molecular mechanisms. Hematologic neoplasms such as leukemias and lymphomas are well suited to study cancer evolution because intact cells can be sampled and studied in detail during disease progression.

Our Goals

In an evolutionary framework we will study different aspects of cancer evolution, in particular the poor prognosis of acute myeloid leukemia and indolent lymphomas, with an interdisciplinary approach. We will study the molecular mechanisms, measure the evolution of genetic, epigenetic and transcriptional heterogeneity in patients, mice and cellular systems and will use computational models to quantify relevant parameters. The close collaboration of clinicians, molecular biologists, population geneticists, computational and evolutionary biologists should result in a basic understanding of the evolutionary dynamics of tumors. With this interdisciplinary evolutionary-guided approach, our research consortium will contribute to the development of better diagnostics, predictions and ultimately treatment options for cancer patients.

We offer

The Munich-based SFB offers excellent working facilities in an international academic atmosphere in the top-ranked European university LMU Munich, at the Biocenter on the Life Science Campus Großhadern/Martinsried. The postdoctoral fellow will receive a unique opportunity for interdisciplinary collaboration in the fields of clinical sciences, computational biology and molecular biology.

New Team Member

As an addition to our exceptional interdisciplinary research consortium, we are looking for a highly motivated next-generation researcher who is an independent thinker, diligent worker and will be committed to advancing the project goals. This postdoctoral position is embedded in the lab of Prof. Heinrich Leonhardt, contributing to the topic of "DNA modifications in the evolution of hematopoietic neoplasms". A qualifying degree in Life Sciences is required. Experience in molecular and cellular lab techniques as well as in computational data analysis are recommended. The position is available until December 31, 2019.

For information about the project and the SFB 1243, please see www.sfb1243.bio.lmu.de

Applications

for this postdoctoral position should be submitted to irtg1243@bio.lmu.de.

The LMU Munich is an equal opportunity employer and encourages applications from female candidates. Disabled candidates with essentially equal qualifications will be given preference.