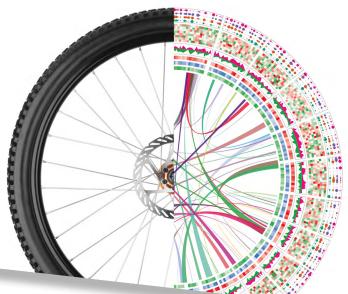
BIG DATA – BIG CHALLENGE.

COMPUTATIONAL CANCER RESEARCH at DKFZ

INTERNATIONAL PHD PROGRAM



PHD POSITIONS IN COMPUTATIONAL RESEARCH AND DATA SCIENCE

Are you interested in solving fascinating biological or medical questions computationally? At the **German Cancer Research Center (DKFZ)** in Heidelberg, Germany's largest biomedical research institute, computational scientists work at the forefront of cancer research. They combine interdisciplinary approaches from physics, biology, bioinformatics and statistics to analyze and understand complex biological and medical data.

Main activities at the DKFZ involving big data:

- Development and application of computational methods for multi-modal data integration, including integrative analysis of genomic, epigenomic, transcriptomic, proteomic, metabolomic and radiomic data
- Development of methods for modeling and simulation of biological and medical processes
- DNA mutation analysis and methods based on

More information at www.dkfz.de/datascience

machine learning to decipher cancer genome variation

- Application and development of state-of-theart technologies for single-cell omics and life cell imaging
- Computer-assisted radiology and surgery
- Biostatistical evaluation of experimental and clinical data

Full funding is provided for the duration of the PhD.

To apply online to the International PhD Program visit **www.dkfz.de/phd**

If you are interested in doing your PhD in the field of computational research and data science why not join the International PhD Program at the DKFZ?

Application deadlines **15. May and 15. December**



GERMAN CANCER RESEARCH CENTER IN THE HELMHOLTZ ASSOCIATION