DZNE site Göttingen

The DZNE site Goettingen, is a natural science institute for scientific research emphasising on neurodegenerative diseases. The main focus of scientific research is to understand the underlying mechanisms leading to neurodegenerative diseases, in particular Alzheimer’s disease. Based on this, the DZNE site Goettingen, will expedite the development of biomarkers as well as therapeutic approaches for dementia. One central aim is to analyze the influence of neurodegenerative diseases in view of the fact that especially complex diseases are multifactorial and polygenetic. The etiology of such diseases is significantly influenced by environmental factors. Gene-environment interaction is key-regulated and mediated by epigenetic processes such as DNA-methylation, histone-modification and non-coding RNA, so the deregulation of epigenetic processes is decisively involved in the pathogenesis of neuro...
3. By using the most modern methods of molecular biology, structure biology and molecular imaging, the disease processes will be investigated in a mechanistic way.

4. This field of research is dedicated explicitly to the translation of research outcomes into clinical application.