With regards to its future development for Neurodegenerative Diseases research partners already in the area. These include the departments of neurology and psychiatry at the University Hospital Bonn, both of which are renowned for their excellence in research and treatment of patients suffering from neurodegenerative disease. The Department of Epileptology performs top-quality research into neural connections. Genetic medicine and epidemiology of neurodegenerative disturbances are another strong research area where, in line with DZNE’s focus on population and clinical epidemiology, the aim is to understand associated risk factors and develop new, early-diagnosis procedures.

First-class basic research on the mechanisms of neurodegeneration, neuroinflammation and stem cells is conducted at Bonn’s Venusberg clinics which make up the University Hospital.

In Cologne, research into Parkinson’s disease and new forms of treatment of excellence for geriatric research provides a key research platform or pathological ageing. The excellent imaging facilities being set up at the Research Centre Jülich also foster DZNE’s aim of providing new, advanced, non-invasive diagnosis procedures for neurodegenerative disease.

The research centre in Bonn will dedicate a dementia clinic. It will be the core of new information centre will serve neurodegenerative disease. Coordinated clinical work will be indispensable in clinical examinations of EU-wide diagnosis and treatment. The studies will identify factors that are involved in normal ageing or age-related disease.

Basic research conducted in the Bonn-Cologne-Jülich region will concentrate on the mechanisms involved in early neuronal damage. This will aid the discovery of new treatment approaches and provide conclusions on the mechanisms common to a range of neurodegenerative diseases. Particular attention will be paid to loss of neural connections and plasticity.