

INVITATION CMMC SEMINAR

Prof. Dr. Sybille Krauß

Institute of Neurobiology - University of Siegen



Mechanisms of RNA-mediated cellular dysfunction in Huntington's disease

Short repetitive sequences like CAG trinucleotide repeats are present in various genes. Expanding CAG repeats leads to neurodegenerative diseases known as CAG repeat expansion disorders, which are characterized by progressive neurodegeneration.

In addition to encoding neurotoxic proteins, mutant CAG-repeat RNA forms distinct hairpin structures. These structures can cause toxicity by abnormally recruiting RNA-binding proteins.

Sybille Krauß's research is aimed at investigating these abnormal RNA-protein interactions in CAG repeat expansion diseases in order to identify targets for innovative treatment strategies.

March 14, 2024
1.00 p.m. s.t.

Lecture Hall Modulbau
Weyertal EG 0.01
Weyertal 119 a, 50931 Cologne

Host:
Prof. Dr. Michal R. Schweiger
Inst. of Translational Epigenetics

