

SFB 900 Seminar Series

ALL GUESTS ARE WELCOME

TITLE

Role of SUMOylation in virus replication.

SPEAKER

Carmen Rivas Vazques, PhD, Research Group 'Virus and Cancer', Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), University of Santiago de Compostela, Spain

LOCATION

Lecture Hall Q, building J6, MHH Campus



08.06.
2022

5.00 PM (s.t.)

» Reserach of Carmen Rivas Vazquez

Carmen Rivas Vazquez's group focuses on studying the relationship between viruses and cancer with two main lines of research: (i) studying how viruses exploit the cellular machinery to favour their replication; (ii) studying the cellular molecular pathways relevant to the control of viral replication. In recent years, the group has focused on studying the role that small ubiquitin-like proteins play in both processes. The results obtained by Carmen Rivas Vazquez's group have helped to show that numerous viral proteins are regulated by their interaction with SUMO and that this regulation is important for the pathogenicity of these viruses. In addition, they have identified new mechanisms for the regulation of cellular proteins that play a key role in the control of both viral replication and cell proliferation. In this way, the group's work has helped to identify molecular mechanisms that regulate both viral replication and the development of proliferative diseases.

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