

Francesco Santarelli



German Center for Neurodegenerative Diseases (DZNE)

Scientific laboratory technician

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Research Expertise

Francesco Santarelli is an experienced and talented research technician currently involved in most of the projects of the group: biomarker research, tauopathies, *in-vitro* investigation of microglia functions and innate immunity.

Since high school, Francesco Santarelli was fascinated by chemistry and its importance for life. As a laboratory technician, he has worked in various fields of medical research, from biomaterials and dermatology to neurodegenerative diseases. Each experience has expanded his technical and scientific knowledge making him what he is now, an all-rounder technician with good handling skills. His natural marked curiosity and his strong propensity to solve problems make him a valuable and a reliable teammate.

Education / Training

Università politecnica dell Marche, Ancona, Italy, 2001

Appointments / Positions Held

2012 – present

Research technician at the German Center for Neurodegenerative disease, department of neurodegenerative disease and gerontopsychiatry in Bonn.

2005 – 2012

Research technician at the department of Dermatology in the clinic of the university of Regensburg.

2002 – 2005

Research technician at the department of Heart and Thorax surgery in the clinic of the university of Regensburg.

Most Relevant Publications

1. Ising C, Venegas C, Zhang S, Scheiblich H, Schmidt SV, Vieira-Saecker A, Schwartz S, Albasset S, McManus RM, Tejera D, Griep A, **Santarelli F**, Brosseron F, Opitz S, Stunden J, Merten M, Kaye R, Golenbock DT, Blum D, Latz E, Buée L, Heneka MT. *NLRP3 inflammasome activation drives tau pathology*. Nature. 2019 Nov;575(7784):669-673.

2. Venegas C, Kumar S, Franklin BS, Dierkes T, Brinkschulte R, Tejera D, Vieira-Saecker A, Schwartz S, **Santarelli F**, Kummer MP, Griep A, Gelpi E, Beilharz M, Riedel D, Golenbock DT, Geyer M, Walter J, Latz E, Heneka MT. *Microglia-derived ASC specks cross-seed amyloid- β in Alzheimer's disease*. Nature. 2017 Dec 20;552(7685):355-361

3. Brosseron F, Träschütz A, Widmann CN, Kummer MP, Tacik P, **Santarelli F**, Jessen F, Heneka MT. *Characterization and clinical use of inflammatory cerebrospinal fluid protein markers in Alzheimer's disease*. Alzheimers Res Ther. 2018 Feb 26;10(1):25.