

Horizon 2020 - H2020-MSCA-ITN-2017



Project: 766251– NEUROSOME

Full project title:

EXPLORING THE NEUROLOGICAL EXPOSOME

D2.1 NEUROSOME Leaflet

WP2: Dissemination and communication

Lead beneficiary: URV

Date: January 2018

Nature: ADM

Dissemination level: Public



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NEUROSOME

EXPLORING THE NEUROLOGICAL EXPOSOME

Release: January 2018

NEUROSOME is a new project funded by the European Union in the framework of the H2020 Marie Skłodowska Curie Actions – Innovative Training Networks (GA 766251). NEUROSOME provides career development and training opportunities for 14 researchers who are in the first 3 years of their research careers (Early-Stage Researchers, ESRs).

NEUROSOME aims to explore the environmental causes of neurodevelopmental/ neurodegenerative disorders and their complex interplay with genetic predisposition and susceptibility. This will be done by developing a functional link between human biological monitoring and data on exposure to specific environmental compounds and neurodevelopmental / neurodegenerative disorders using the latest advances in environmental health science, namely the exposome paradigm.

NEUROSOME involves the use of high dimensional biological data generated from multi-omics technological platforms. The ultimate goal is the development of functional links among the different components of environmental, exposure and human biomonitoring and toxicological studies in order to understand the causal associations between exposure to organic compounds and metals to neurodevelopmental and neurodegenerative disorders.

NEUROSOME brings together 10 beneficiaries and 5 partner organizations. The private sector is directly involved in the research programme, contributing to the training of ESRs in providing the industrial context and knowhow to academic research. Our partners include also SMEs actively working on genotyping assays and –omics based biomonitoring (ToxPlus), big data analytics and bioinformatics (UPCOM).

The **NEUROSOME** website is already available at www.neurosoma.eu. If you would like to know more about the **NEUROSOME** project or to receive regular updates on its progress, please contact the project Communication responsible Prof. Dimosthenis Sarigiannis (sarigiannis@auth.gr)
