

IMAGINE-ID outputs: grants and fellowships

Grants:

MRC MR/S037667/1 Brambilla 01/06/2019-31/05/2023
Targeting ERK signalling to ameliorate intellectual disability and autism spectrum disorder associated with chromosomal rearrangements at 16p11.2
Roles van den Bree and Hall: Co-I.
Amount: £1,181,767.
Explanation: This grant will benefit from the infra-structure created by IMAGINE-ID to recruit and assess individuals with 16p11.2 deletion or duplication to establish the role of the ERK pathway in their intellectual disability and risk of autism spectrum disorder.

NIMH U01 MH119738-01 van den Bree 01/04/2019-31/03/2024
7/9 Dissecting the effects of genomic variants on neurobehavioral dimensions in CNVs enriched for neuropsychiatric disorders. Van den Bree, Williams, Holmans and Owen.
Role van den Bree PI, Site Leader for site of this 9-site consortium, member Executive Committee.
Role Owen: Co-I, member Executive Committee.
Amount: \$1,477,560 (£1,096,926)
Explanation: This international, 9-site consortium (lead by PI Raquel Gur) aims to study the genetics as well as phenotypic manifestations of deletion and duplication of 16p11.2 and 22q11.2.

Takeda Wilkinson 01/10/2018-30/09/2022
To establish a scalable set of assay platforms against which the phenotype consequences of manipulating the identified exclusive targets can be screened and effects the drug compounds assessed to develop therapeutics for schizophrenia.
Roles Hall, Owen and van den Bree: co-investigators
Amount: £2,960,749
Explanation: Individuals with CNVs posing high risk of development of schizophrenia represent one of the target patient groups of this collaboration between industry and Cardiff University.

Welsh Assembly Government and Cerebra van den Bree 01/07/2018-30/06/2021
Improving mental health for children with neurodevelopmental disabilities: A Knowledge Transfer Partnership (KTP) between Cerebra and Cardiff University.
Role van den Bree: Lead Academic
Role Hall: Co-Lead Academic
Amount: £216,320
Explanation: Collaboration between a leading charity for families with children with a brain disorder and the Cardiff university. The aim is to enable dissemination of high-quality evidence-based information about CNVs and contribute to better support for families with children with CNVs.

OC-2016-2-21420 Harwood 07/11/2017-06/11/2021
European Cooperation in Science and Technology (COST). Maximising Impact of research in Neuro-Developmental Disorders (MINDDDS)
Role van den Bree: Management Committee Member and Leader of Working Group 2.
Roles Hall, Owen, Skuse, and Raymond: Co-investigators.
Amount: E650,000
Explanation: This grant has funded the development of a network of EU countries as well as EU-affiliated nations to improve opportunities for research into CNVs associated with high risk of psychiatric disorder. The MINDDDS network now includes over 30 member countries. A second aim contributions to better care for patients with these CNVs.

