

Mar 08, 2023

ACTION Biomarker Study

DOI

<https://dx.doi.org/10.17504/protocols.io.eq2ly7qkwlx9/v1>

Fiona A. Hagenbeek^{1,2}, Jenny van Dongen^{1,2,3}, Peter J. Roetman⁴, Erik A. Ehli⁵, Meike Bartels^{1,2}, Robert R. J. M. Vermeiren^{4,6}, Dorret I. Boomsma^{1,2,3}, ACTION Consortium⁷

¹Department of Biological Psychology, Vrije Universiteit Amsterdam, Amsterdam, the Netherlands;

²Amsterdam Public Health Research Institute, Amsterdam, the Netherlands;

³Amsterdam Reproduction and Development Research Institute, Amsterdam, the Netherlands;

⁴LUMC-Curium, Department of Child and Adolescent Psychiatry, Leiden University Medical Center, Oegstgeest, the Netherlands;

⁵Avera Institute for Human Genetics, Sioux Falls, South Dakota, United States of America;

⁶Youz, Parnassia Psychiatric Institute, the Hague, the Netherlands;

⁷Members of the ACTION Consortium are listed in Bartels et al. (2018, <https://doi.org/10.1007/s00787-018-1169-1>)

Metabolomics Protocols & Workflows
Tech. support email: bbmisracb@gmail.com



Fiona A. Hagenbeek

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.eq2ly7qkwlx9/v1>

Protocol Citation: Fiona A. Hagenbeek, Jenny van Dongen, Peter J. Roetman, Erik A. Ehli, Meike Bartels, Robert R. J. M. Vermeiren, Dorret I. Boomsma, ACTION Consortium 2023. ACTION Biomarker Study. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.eq2ly7qkwlx9/v1>

License: This is an open access protocol distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

Created: March 07, 2023

Last Modified: March 08, 2023

Protocol Integer ID: 78271

Keywords: childhood aggression, childhood behavior problems, mental health, buccal cells, urine, genetics, epigenetics, DNA methylation, biomarkers, metabolomics, amines, organic acids, steroid hormones, multi-omics, data collection for the action biomarker study, action biomarker study, action biomarker study the goal, aggression in children, consequences of childhood aggression, high aggressive behavior, aggression, cohort of children, children from the netherlands twin register, action project, psychiatric treatment, twin cohort from the general population, twin cohort, new omics data, children, collection of new omics data

Funders Acknowledgements:

European Union Seventh Framework Program (FP7/2007-2013)
Grant ID: 602768

Abstract

The goal of ACTION project (Aggression in Children: Unraveling gene-environment interplay to inform Treatment and InterventiON strategies) was to identify precursors, features, and consequences of childhood aggression using epidemiological and omics-driven studies. A considerable effort within ACTION was the collection of new omics data in children with low and high aggressive behavior. To this end, the ACTION project included large-scale collection of biological samples in children from the Netherlands Twin Register (NTR), a twin cohort from the general population, and a cohort of children referred for psychiatric treatment (LUMC-Curium). Together these cohorts comprise the ACTION Biomarker Study. This documentation describes the study design and data collection for the ACTION Biomarker Study.

Attachments



20230307_ACTION_prot

...

679KB

