

Universiteit
Leiden
The Netherlands

Facts of aggression

Roetman, P.J.

Citation
Roetman, P. J. (2021, June 9). *Facts of aggression*. Retrieved from https://hdl.handle.net/1887/3186436

Version:	Publisher's Version
License:	Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden
Downloaded from:	https://hdl.handle.net/1887/3186436

Note: To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle https://hdl.handle.net/1887/3186436 holds various files of this Leiden University dissertation.

Author: Roetman, P.J.
Title: Facts of aggression
Issue Date: 2021-06-09

FACTS OF AGGRESSION

PETER JOSSE ROETMAN

Facts of Aggression
ISBN: 978-94-6419-224-7
Cover design and layout by Birgit Vredenburg
Printed by Gildeprint, Enschede

This work was supported by ACTION.
ACTION receives funding from the European Union Seventh Framework Program (FP7/2007-2013) under grant agreement no. 602768.

©Peter J. Roetman, 2021, The Netherlands

All rights reserved. No part of this thesis may be reproduced, stored in a retrieval system or transmitted in any form or by any means without the prior written permission of the author, or when applicable, of the publishers of the scientific papers.

Facts of Aggression

Proefschrift

ter verkrijging van

de graad van doctor aan de Universiteit Leiden,

op gezag van rector magnificus prof. dr. ir. H. Bijl,

volgens besluit van het college voor promoties

te verdedigen op woensdag 9 juni 2021

klokke 15.00 uur

door

Peter Josse Roetman

Geboren te Leiden

1 april 1989

Promotor
Prof. dr. R.R.J.M. Vermeiren

Co-promotor
Prof. dr. O.F. Colins (Ghent University, Örebro University)

Promotiecommissie
Prof. dr. C.M. Middeldorp (Vrije Universiteit, Centre for Children's Health Research, University of Queensland)
Prof. dr. P.H. Vedder
Prof. dr. N.J.A. Van der Wee

CONTENTS

Chapter 1	General introduction	7
Chapter 2	Children with early-onset disruptive behavior: parental mental disorders predict poor psychosocial functioning in adolescence	15
Chapter 3	Associations between anxiety, depression, and disruptive behavior spanning childhood and adolescence	39
Chapter 4	Classes of oppositional defiant disorder behavior in clinic-referred children and adolescents: concurrent features and outcomes	59
Chapter 5	Genomics of human aggression: current state of genome-wide studies and an automated systematic review tool	77
Chapter 6	Urinary amine and organic acid metabolites evaluated as markers for childhood aggression: the ACTION biomarker study	125
Chapter 7	General discussion	159
Appendices	Supplementary materials	172
	References	244
	Nederlandse samenvatting	268
	Curriculum vitae	278
	List of publications	279
	Dankwoord	282

