



THE GUTS COMMUNITY 2023

GUTS appointed PhD-Students and Postdocs

Work Package 1 Amsterdam: SES and Education

Denise van der Mee Vrije Universiteit Amsterdam	Postdoc Mar. 2023 – Mar. 2025
Myrthe Vel Tromp <i>Overarching questions and mastering difficulties in learning contexts</i> (co)promotors: Hilde Huizenga; Branda Jansen; Ilja Veer University of Amsterdam	PhD-student Sept. 2023 – Sept. 2027
Nathalie Aerts <i>Self-regulation and (social inequality in) educational achievement</i> (co)promotors: Thijs Bol; Eddie Brummelman University of Amsterdam	PhD-student Sept. 2023 – Sept. 2027
Jule Schretzmeir Positive risk-taking in academic context (co)promotors: Nienke van Atteveldt; Tieme Janssen Vrije Universiteit Amsterdam	PhD-student Nov. 2023 – Nov. 2027
Maartje Overhaus <i>Developmental Patterns of social giving and discounting</i> (co)promotors: Lydia Krabbendam; Eveline Crone; Mariët van Buuren Vrije Universiteit Amsterdam	PhD-student Nov. 2023 – Nov. 2027
Tatvan Todor <i>Financial efficacy in adolescence and young adulthood</i> (co)promotors: Barbara Braams; Lydia Krabbendam; TBD Vrije Universiteit Amsterdam	PhD-student Nov. 2023 – Nov. 2027
Zwanet Young <i>Neural representations of self-concept: individual differences in the development and outcomes</i> (co)promotors: Mariët van Buuren; Lydia Krabbendam; Tuong Van Vu Vrije Universiteit Amsterdam	PhD-student Mar. 2024 – Mar. 2028

Work Package 1 Rotterdam: SES and Education

Suzanne van de Groep Erasmus University Rotterdam	Postdoc Jan. 2023 – Jun. 2024
Ann Hogenhuis Social Self-regulation in the brain and everyday life (co)promotors: Loes Keijsers; Michelle Achterberg Erasmus University Rotterdam	PhD-student Sept. 2023 – Sept. 2027
Ethell-Marjorie Dubois <i>Developmental trajectories of giving trust</i> (co)promotors: Jeroen van de Waal; Eveline Crone; Yara Toenders Erasmus University Rotterdam	PhD-student Sept. 2023 – Sept. 2027
Lotte van Rijn <i>Developmental patterns of temporal discounting</i> (co)promotors: Eveline Crone; Anna van Duijvenvoorde; Lydia Krabbendam Erasmus University Rotterdam	PhD-student Oct. 2023 – Oct. 2027
Yvette Grootjans Social-cognitive processing & mental health/ substance use (co)promotors: Ingmar Franken; Anita Harrewijn Erasmus University Rotterdam	PhD-student Sept. 2023 – Sept. 2027
Lonneke Elzinga <i>Developmental trajectories of social reward and effort</i> (co)promotors: Anna van Duijvenvoorde; Eveline Crone; Nienke van Atteveldt Leiden University	PhD-student Sept. 2023 – Sept. 2027

Work Package 2: Social Networks

Simone Dobbelaar

Leiden University

Postdoc

Oct. 2023-Oct. 2025

Alexandra Pior

Peer similarity in self-regulatory abilities

(co)promotors: René Veenstra; Lydia Laninga-Wijnen

University of Groningen

PhD-student

Sept. 2023 – Sept. 2027

Pau Vila Solar

Peer influence on positive development in emerging adulthood

(co)promotors: René Veenstra; Gert Stulp; Wouter Kiekens

University of Groningen

PhD-student

Sept. 2023 – Sept. 2027

Francisca Ayres Ribeiro

Empathy in social networks

(co)promotors: Christian Keysers; Berna Güroglu; Valeria Gazzola

KNAW/NIN

PhD-student

Oct. 2023 – Oct. 2027

Hanna Griffiths

Reward processing and social networks

(co)promotors: Berna Güroglu; Christian Keysers; Lisa Schreuders

Leiden University

PhD-student

Oct. 2023 – Oct. 2027

Work Package 3: Antisocial Behavior

Carmen-Silva Sergiou

AmsterdamUMC/VUMC

Postdoc

Dec. 2023 – Feb. 2026

Carmen Mendes de Leon

Neurobiology of antisocial behavior

(co)promotors: Arna Popma; Lucrez Nauta-Jansen; Hilleke Hulshoff-pol;

Barbara Franke

AmsterdamUMC/VUMC

PhD-student

Sept. 2023 – Sept. 2027

Nick Adrian

Self-regulation in a high-risk antisocial population

(co)promotors: Lucrez Nauta-Jansen; Valeria Gazzola; Arne Popma

AmsterdamUMC/VUMC

PhD-student

Nov. 2023 – Nov. 2027

Lisa Verbeij

Empathy and antisocial behavior

(co)promotors: Valeria Gazzola; Lucrez Nauta-Jansen; Christian Keysers

KNAW/NIN

PhD-student

Sept. 2023 – Sept. 2027

Work Package 4: Individual Development

Jalmar Teeuw

Utrecht University

Postdoc

Febr. 2023 – Dec. 2025

Vera Goossens

Adolescent brain development, self-regulation and social outcome

(co)promotors: Hilleke Hulshoff Pol; Jalmar Teeuw

Utrecht University

PhD-student

Sept. 2023 – Sept. 2027

Barbara Sakic

The genetics of self-regulation and its biological mechanisms

(co)promotors: Barbara Franke, Janita Bralten, Marieke Klein, Mark de Rooij

Radboud University

PhD-student

Oct. 2023 – Oct. 2027

Work Package 5: Responsible Predictive Modeling

Zino Bystowski

Predictive modelling for umbrella theories (Stacked Domain Learning for Interdisciplinary Theory Development)

(co)promotors: Mark de Rooij; Marjolein Fokkema; Hilde Huizinga

Leiden University

PhD-student

Sept. 2023 – Sept. 2027

GUTS appointed non-scientific personnel

Yolijn Aarts Erasmus University Rotterdam	0,8 fte (Jan. 23 – May 23) 0,9 fte (Jun. 23 – Dec. 24)	Project Coordinator Jan. 2023 – Dec. 2024
Kitty de Vries Erasmus University Rotterdam	0,8 fte	Knowledge Broker Jun. 2023 – Jun. 2024
Mark Mulder Erasmus University Rotterdam	0,8 fte (Jan. 23 – Dec. 23) 0,2 (Jan. 24 – Nov. 24)	Data Manager Jan. 2023 – Nov. 2024
Simone Mulder Erasmus University Rotterdam	1,0 fte	Data Manager Nov. 2023 – Nov. 2024
Sterre van Riel Erasmus University Rotterdam	0,1 fte	Science Communications Manager Jun. 2023 – Jun. 2024
Jair van Nes Erasmus University Rotterdam	0,5 fte	Research Assistant WP1 Rotterdam Nov. 2023 – Mar. 2024
Caroline Elkhoury Erasmus University Rotterdam	0,4 fte	Research Assistant WP1 Rotterdam Jun. 2023 – Jun. 2024
Elianne Chatzaki Leiden University	0,6 fte	Research Assistant WP2 Nov. 2023 – Nov. 2024

GUTS applicants

Main Applicants

Prof. Dr. (Eveline) EAM Crone Erasmus University Rotterdam	Eveline is trained in cognitive developmental psychology, is known for her longitudinal brain imaging research leading some of the largest fMRI longitudinal studies to date.
Prof. Dr. (Lydia) L Krabbendam Vrije Universiteit Amsterdam	Lydia is trained in adolescent psychology and psychiatry, is known for her scientific research linking cognitive and social development to neuroscience and educational applications.
Prof. Dr. (Berna) B Güroğlu University of Leiden	Berna is trained in developmental psychology, is one of the first researchers worldwide to combine social network information with social, cognitive, and neural development.
Prof. Dr. (René) DR Veenstra University of Groningen	René is trained in sociology, leads several of the largest cohorts on social networks of young people and their behavioral profiles.
Prof. Dr. (Lucres) LMC Nauta-Jansen AmsterdamUMC-VUmc	Lucres is trained as a biomedical scientist, is known for her experimental neuroscience work in young people with antisocial behaviors.
Prof. Dr. (Hilleke) HE Hulshoff Pol Utrecht University	Hilleke is trained in neuropsychology, is known for her high-impact research on structural brain development in children and adolescents with healthy development and emerging adults with psychiatric disorders. She leads several of the largest cohorts on structural brain development in the Netherlands

Co-applicants

Prof. Dr. (Nienke) N van Atteveldt <i>Full professor</i> Vrije Universiteit Amsterdam	Leading a research group to investigate underlying mechanisms of motivation and resilience in high school students. Program leader of the educational neuroscience institute LEARN!
Prof. Dr. (Thijs) T Bol <i>Professor</i> University of Amsterdam	Professor at the Department of Sociology and co-director of the Amsterdam Centre for Inequality Studies. Member of The Young Academy (De Jonge Akademie) of the Royal Netherlands Academy of Arts and Sciences (KNAW), and since 2022 the vice-chair of The Young Academy.
Dr. (Barbara) BR Braams <i>Assistant professor</i> Vrije Universiteit Amsterdam	Barbara studies the relation between lab-based measurements of risk-taking and real-life behavior.
Dr. (Anna) ACK van Duijvenvoorde <i>Associate professor</i> University of Leiden	Anna is interested in learning from positive and negative feedback signals, as well as risk taking across development. She is a member of the Young Academy Leiden.
Prof. Dr. (Barbara) B Franke <i>Full professor of Molecular Psychiatry</i> RadboudUMC	Barbara is also Principal Investigator at the Donders Institute for Brain, Cognition and Behaviour. At Radboudumc, she chairs the Division of Genome Research and the Radboud Research Theme Neurodevelopmental Disorders. Her group studies the pathways from gene to behavior in psychiatric disorders and traits.
Prof. Dr. (Ingmar) IHA Franken <i>Full professor in Clinical Psychology</i> Erasmus University Rotterdam	His research focuses mainly on the neurocognitive aspects of addiction and substance abuse.
Dr. (Valeria) V Gazzola <i>Associate professor</i> The Netherlands Institute for Neuroscience of Koninklijke Nederlandse Akademie van Wetenschappen	Valeria is associate professor and leads the Mechanisms of Social Behavior group at the Netherlands Institute for Neuroscience of the KNAW. She investigates the causal relation between mirror-like activity and pro- and antisocial behavior by using a combination of fMRI, EEG, tDCS and TMS.
Prof. Dr. (Hilde) HM Huizenga <i>Full professor of Psychology</i> University of Amsterdam	Her research group uses formal modeling of behavioral and brain indices to obtain a better understanding of (a)typical development and aging.
Prof. Dr. (Loes) LGMT Keijsers <i>Full professor in Child & Family Studies</i> Erasmus University Rotterdam	Loes is trained in biology, family studies and statistics. Her research interests are the intersection of family studies and methodological innovations, including advanced longitudinal modeling.

<p>Prof. Dr. (Christian) CM Keyers <i>Full professor</i> The Netherlands Institute for Neuroscience of Koninklijke Nederlandse Akademie van Wetenschappen</p>	<p>Christian is a full professor and leads the Comparative Social Neuroscience group at the NIN/KNAW, where he looks at the mechanisms of empathy using a rare cross-species approach including human fMRI and rodent models, studying the neural basis of these using genetic, chemical, and electrophysiological methods.</p>
<p>Prof. Dr. (Arne) A Popma <i>Full professor of Child and Adolescent Psychiatry</i> AmsterdamUMC-VUmc</p>	<p>He is head of the Department of Child and Adolescent Psychiatry & Psychosocial Care and leads research on the developmental pathways and underlying mechanisms of antisocial behavior in young people.</p>
<p>Prof. Dr. (Mark) MJ de Rooij <i>Full professor of Artificial Intelligence and Data Theory</i> University of Leiden</p>	<p>He leads a group of researchers focusing on 1) machine learning methods for psychology; 2) psychometrics; and 3) methodology for fMRI research.</p>
<p>Dr. (Gert) G Stulp <i>Assistant professor</i> University of Groningen</p>	<p>Gert is assistant professor at the sociology department at the University of Groningen, where he started the Families, Lifecourse, and Ageing group. He developed an open-access tool to collect large personal networks in a representative, longitudinal sample.</p>

GUTS connected team

Work Package 1 Amsterdam: SES and Education

Eddie Brummelman
Associate professor
University of Amsterdam

Eddie is an Associate Professor at the University of Amsterdam, Jacobs [Foundation Research Fellow 2021-2023](#), and a board member of The Young Academy ([De Jonge Akademie](#)) of the Royal Netherlands Academy of Arts and Sciences (KNAW). He is the PI of [KiDLAB](#), where they study developing self.

Brenda Jansen
Associate professor
University of Amsterdam

She is an Associate Professor in the Developmental Psychology program group at the University of Amsterdam.

Ilya Veer
Assistant professor
University of Amsterdam

Since 2021, Ilya is working as an assistant professor in the department of developmental psychology at the University of Amsterdam, where he continues to research factors and mechanisms that enable a more resilient outcome across the different phases of life.

Mariët van Buuren
Assistant professor
Vrije Universiteit Amsterdam

Mariët is a cognitive neuroscientist intrigued by the development of social cognition and self-concept in adolescence.

Tieme Janssen
Assistant professor
Vrije Universiteit Amsterdam

Tieme is a cognitive neuroscientist specializing in healthy and clinical populations (ADHD and dyslexia), and neuroscience-based interventions like neurofeedback. His research utilizes advanced EEG methods and explores motivation for learning during critical transitions, employing Randomized Controlled Trials (RCT) for positive impacts on school outcomes.

TuongVan Vu
Assistant professor
Vrije Universiteit Amsterdam

Since August 2020, TuongVan started working on a project within the SENSE team where she is part of a large team of developmental psychologists and cognitive neuroscientists to study how children learn prosocial behaviors.

Work Package 1 Rotterdam: SES and Education

Michelle Achterberg
Assistant professor
Erasmus University Rotterdam

Michelle is an Assistant Professor in Child and Family Studies, specializing in social competence development. She was one of the PI's in a large longitudinal twin study on brain development ([L-CID](#)). In 2023 she started the [SO-REBEL](#), an interdisciplinary research team based at the Youth & Family unit of the Department of Psychology, Education and Child Studies (DPECS) at Erasmus University Rotterdam.

Lysanne te Brinke
Assistant Professor & Convergence Fellow
Erasmus University Rotterdam

Lysanne is leading an intervention study exploring how changes in emotional reactivity during adolescence create opportunities for prosocial behavior. She co-founded the [YoungXperts](#) youth participation platform and advocates for citizen science, incorporating adolescents' voices and ideas. Her research also examines how innovative methods, such as living labs, help implement scientific findings while fostering adolescents' sense of connection and being heard in society.

Kayla Green
PhD Candidate at SYNC lab EUR
Erasmus University Rotterdam

Kayla's work focuses on the adverse effects of socioeconomic disadvantage on brain development and well-being. She combines various methods, such as (f)MRI, survey, and youth participation. Kayla is co-founder of the youth participation platform [YoungXperts](#). In 2022, Kayla was elected by the KNAW and NEMO Kennislink as one of the [Faces of Science](#). She also dedicates part of her time to work related to diversity, equity, and inclusion in academia.

Anita Harrewijn
Assistant professor
Erasmus University Rotterdam

Anita studies neural and behavioral correlates of attention bias and social stress to answer these questions. She investigates social and neural moderators of the temperament-anxiety association using Generation R data, as part of her Marie Skłodowska-Curie Actions Individual Fellowship.

Yara Toenders
Convergence Fellow
Erasmus University Rotterdam

Yara is a Healthy Start research fellow at the Erasmus University of Rotterdam. She studies young people's mental wellbeing and biological processes that might contribute to wellbeing, such as sleep and brain development. She additionally aims to involve young people in her research, through the youth participation and science communication platform [YoungXperts](#).

Jeroen van der Waal
Full professor in Sociology of Stratification
Erasmus University Rotterdam

Jeroen is full professor of Sociology of Stratification at Erasmus University Rotterdam, a member of the Erasmus Graduate School of Social Sciences and the Humanities, and alumnus of Young Erasmus Academy. His research is predominantly located in the fields of political sociology and sociology of health.

Work Package 2: Social Networks

Wouter Kiekens
Assistant professor
University of Groningen

Sociology, LGBTQ+ youth, substance use (smoking, alcohol, marijuana), mental well-being (depression, anxiety), sexual orientation, gender identity.

Lydia Laninga-Wijnen
Postdoctoral fellow
University of Groningen

Lydia is a researcher and university teacher, specializing in adolescent peer relationships and bullying.

Lisa Schreuders
Assistant professor
University of Leiden

Lisa is an assistant professor in the unit Developmental and Educational Psychology. She strives to understand how peer relationships shape decision-making processes and appraisal of social situations across adolescence. So far, studied this from a biopsychosocial perspective using neuroimaging and techniques to assess immune system functioning.

Work Package 3: Antisocial Behavior

Work Package 4: Individual Development

Janita Bralten
Assistant professor
Radboud UMC

Molecular genetics

Marieke Klein
Postdoctoral fellow
Radboud UMC

Human Genetics

Work Package 5: Responsible Predictive Modeling

Marjolein Fokkema
Associate professor
University of Leiden

Marjolein works on statistical modelling (machine learning or artificial intelligence) and psychological assessment. Marjolein is an associate editor at The European Journal of Psychological Assessment and a member of the Dutch Committee on Testing Matters (COTAN) of the Dutch Institute for Psychologists (NIP).