



SCIENTIFIC PURSUIT

During my PhD, my research focused on identifying, modelling, and understanding the complex relationship between psychosocial risk and protective factors that affect mental health during particularly difficult periods, as well as across the lifespan. This work was rooted in a resilience framework and had a strong theoretical and psychometric emphasis, centering around the questions: “what is adversity and how can we best assess it”, “what is transdiagnostic mental health and how can we best measure it” and “what are the most relevant psychosocial factors that affect mental health”. During my first postdoc, I again addressed the question of how we can better understand the complex interplay of psychosocial, mental health related factors, this time however within a dynamic and more ecologically valid set-up. During that time, I was also involved in more applied clinical research, such as in evaluating symptom-focused monitoring tools for the psychotherapeutic setting. Since the start of my second postdoc (“habilitation trajectory”), I am combining my scientific research with the clinical practice by working as a psychotherapist trainee in an outpatient clinic. By bringing together theoretical, psychometric, and clinically-focused research, I currently aim to examine a) which components - in addition to psychopathological symptoms - are particularly relevant for a comprehensive 'mental health' assessment, b) how these components can be captured with monitoring and outcome tools (in the psychotherapeutic setting), and c) how we can best add personalized components to monitoring and outcome tools, to enable the most comprehensive and personally-relevant assessment possible.

INFO & CONTACT

Nationality	German, European
Birthdate	12 June 1992
Child	Benjamin Arjen Emil, born 22 October 2022
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ACADEMIC QUALIFICATIONS

2016 – 2020	PhD in Psychiatry, University of Cambridge, Newnham College <ul style="list-style-type: none">Shedding Light on the Complex Picture of Psychosocial Factors that Promote Mental Health in Young People. link
2014 – 2016	Research Master (MSc) in Clinical and Health Psychology, Leiden University, mean grade = 8.75 (cum laude) <ul style="list-style-type: none">2015 – 2016: Research Master Thesis (grade = 9) and Research Master Internship (grade = 9.5), Department of Psychiatry, University of Cambridge (cum laude)

- 2011 – 2014 Bachelor of Science (BSc) in Psychology, Leiden University, mean grade = 8.17
- 2013 – 2014: Honours Research Bachelor Project (grade = 9), Department of Developmental and Educational Psychology, Leiden University (cum laude)

ACADEMIC POSITIONS

- 01.01.22–present Research Fellow (“Habilitation”), Clinical Psychology, Philipps-Universität Marburg (maternity leave: 19 September 2022 till present)
- What is this thing called mental health, and how can we best measure it?
- 08.11.21–07.11.22 Affiliate Researcher, Department of Psychiatry, University of Cambridge
- 01.01.21–31.12.21 Junior Research Fellow, Wolfson College Cambridge
- 01.09.20–31.10.21 Research Associate, Department of Psychiatry, University of Cambridge
- Exploring the Day-to-Day Dynamics of Psychosocial Risk and Protective Factors that Affect Mental Health during the Covid-19 Pandemic ([STEP](#) project)

CLINICAL POSITIONS

- 01.10.21–present Psychotherapist Trainee, Psychotherapie-Ambulanz Marburg, Philipps-Universität Marburg

PUBLICATIONS (see also [Google Scholar](#))

- 2023 Jefferies, P., **Fritz, J.**, et al. Analysis of Protective Factors in Schoolchildren in England Using the Dual-factor Model of Mental Health. *Research on Child and Adolescent Psychopathology*. [article](#)
- 2022 Wiedemann, A., Stochl, J., Neufeld, S.A.S., **Fritz, J.**, et al. The impact of the initial COVID-19 outbreak on young adults’ mental health: a longitudinal study of risk and resilience factors. *Scientific Reports*. [article](#)
- 2022 Pollmann, A., **Fritz, J.**, et al. Networks of Adversity in Childhood and Adolescence and Their Relationship to Adult Mental Health. *Research on Child and Adolescent Psychopathology*. [article code](#)
- 2022 Jefferies, P., Höltge, J., **Fritz, J.**, et al. A cross-country network analysis of resilience systems in young adults. *Emerging Adulthood*. [article code](#)
- 2021 Schlechter*, P., **Fritz***, J., et al. The Youth and Childhood Adversity Scale: A Step towards Developing a New Measure of Adversity and its Severity. [article data code](#)
- 2021 Schueler, K., **Fritz, J.**, et al. Psychological Network Analysis of General Self-Efficacy in High vs Low Resilient Functioning Healthy Adults. *Frontiers in Psychiatry: Public Mental Health*. [article code](#)
- 2021 Stochl, J., Soneson, S., Stuart, F., **Fritz, J.**, et al. Determinants of Patient-Reported Outcome Trajectories and Symptomatic Recovery in Improving Access to Psychological Treatment (IAPT) Services. *Psychological Medicine*. [article data code](#)
- 2021 **Fritz, J.**, et al. Tracking Stress, Mental Health and Resilience Factors in Medical Students, Before, During and After a Stress-Inducing Exam Period: Protocol and

Proof of Principle Analyses for the RESIST Cohort-Study. *JMIR Formative Research*. [article data code](#)

2020 Stochl, J., Fried, E.I., **Fritz, J.**, et al. On Dimensionality, Measurement Invariance and Suitability of Sum Scores for the PHQ-9 and the GAD-7. *Assessment*. [article data code](#)

2020 **Fritz, J.**, et al. Embracing the Positive: An Examination of How Well Resilience Factors at Age 14 Can Predict Distress at Age 17. *Translational Psychiatry*. [article data code](#)

2019 **Fritz, J.**, et al. Unravelling the Complex Nature of Resilience Factors and their Changes between Early and Later Adolescence. *BMC Medicine*. [article data code](#)

2019 Kalisch, R., Cramer, A.O.J. Binder, H., **Fritz, J.**, et al. Deconstructing and Reconstructing Resilience: A Dynamic Network Approach. *Perspectives on Psychological Sciences*. [article](#)

2019 **Fritz, J.**, et al. Mood and Neural Responses to Social Rejection Do Not Seem to Be Altered in Resilient Adolescents with a History of Adversity. *Development and Psychopathology*. [article](#)

2018 **Fritz, J.**, et al. A Network Model of Resilience Factors for Adolescents With and Without Exposure to Childhood Adversity. *Scientific Reports*. [article data code](#)

2018 **Fritz, J.**, et al. A Systematic Review of Amenable Resilience Factors that Moderate and/ or Mediate the Relationship between Childhood Adversity and Mental Health in Young People. *Frontiers in Psychiatry*. [article](#)

SUBMITTED, PREPRINTS & IN PREPARATION

Submitted Schäfer, S. K., **Fritz, J.**, et al. Interrelations of resilience factors and their incremental impact for mental health: Insights from network modeling using a prospective study across seven timepoints.

In prep **Fritz, J.**, et al. How promising are I-PROMs (idiographic patient-reported outcome measures)? A systematic review on how they work, whether they can be leveraged as feedback tools, and on their generalizability. [link to preregistration](#)

In prep **Fritz, J.**,* Piccirillo, M.,* et al. So you want to do EMA? Ten things you want to consider before designing your EMA study. [link to open materials](#)

In prep Piccirillo, M.,* **Fritz, J.**,* et al. So you want to do EMA? A momentary assessment on the future of EMA research. [link to open materials](#)

In prep **Fritz, J.**, et al. Mental Health Ecosystem: Exploring the Dynamic Landscape of Psychosocial Factors, Wellbeing and Mental Distress During the Covid-19 Pandemic.

Preprint **Fritz, J.**, et al. On the Dynamics and Mutual Relations of Mental Distress, Brooding and Self-Esteem from Before to After Naturally Occurring Exam Stress. [chapter 7 code data](#)

Preprint **Fritz, J.**, et al. An Empirical Examination of How Resilience Factors Mitigate the Effect of Childhood Adversity on Adolescent Mental Health. [preprint code data](#)

AWARDS

2021 Cambridge University Milo Keynes Prize for Outstanding Dissertations 2020/2021

GRANTS & FUNDING

Major

- 2016 3.5 year Pinsent Darwin Fund (£52,500) + 3 year Sackler Fund (£6,000), awarded to fully finance my PhD stipend
- 2016 3 year MRC Doctoral Training Grant (~ £23,500), awarded to fully finance my PhD tuition costs
- 2016 MRC Doctoral Training Support/ Additional Allowances Fund (£15,900), awarded to fund additional research costs such as participant reimbursement

Minor

- 2021 NIHR SPARC Award, for a 'Clinical Record Data Science' collaboration project with Professor Robert Stewart, King's College London (£2,199)
- 2021 Wolfson College Annual Research Expenses Allowance (£800)
- 2019 Travel grant for an invited Workshop on Network Modelling for Resilience Related Research at the 5th International Symposium on Resilience Research (max 500€)
- 2017 Travel grant for my Young Researcher Talk at the 3rd International Symposium on Resilience Research (max 500€)
- 2017 MRC Doctoral Training Flexible Supplement Fund for an internship with Dr. Eiko Fried at the University of Amsterdam, PsychoSystems Group (£1,730)
- 2015 Erasmus Internship Scholarship for a Research Internship at the University of Cambridge, Department of Psychiatry (1,560€)
- 2013 Honours Research Bachelor Project Allowances Fund, awarded to fund research costs such as participant reimbursement (450€)

TEACHING

Supervision

- 2018 – present I supervise/ have supervised seven Bachelor and Master theses (such as Pascal Schlechter's Mphil dissertation in Medical Sciences, University of Cambridge, [link](#)), and have co-supervised two PhD-projects

Seminars

- 2021 – present I teach the course "Clinical Psychodiagnostics" to psychology bachelor students (8th Semester), for the Department of Clinical Psychology, Philipps-Universität Marburg
- 2020 – 2021 I have given seminars/ group-tutorials to Psychological and Behavioural Sciences (PBS-6) students for the Risk and Resilience Module, for the Department of Psychology, Cambridge University

Lecturing

- 2020 – 2021 I have lectured for the Risk and Resilience Module of PBS-6 (Psychological and Behavioural Sciences), for the Department of Psychology, University of Cambridge
- 2019 I held a guest lecture titled "*Psychological Network Models: Everything Is Connected ... or Not?*" at the Cambridge Methods Day (26th Nov.), MRC CBU, Cambridge, UK. [link](#)

2019 I held a guest lecture, with Gabriela Lunansky, titled “*An Introduction to Network Modelling*” at the Presymposium Workshop for Methods in Resilience Research (24th Sep.), 5th International Symposium on Resilience Research, Mainz, Germany. [link](#)

Summer Schools & Online Learning Platforms

2018 I was a member of the organizing committee for the 1st International Spring School on Resilience Research (May 21 – 25, 2018, Seeon Abbey, Germany).

2017 I am a co-author of/ contributor to Professor Anne-Laura van Harmelen’s resilience module for a mental health MOOC (Massive Open Online Course) for adolescents, led by the University of Groningen, counting more than 30,000 subscribers. [link](#)

SYMPOSIA

2022 Co-host together with Professors Inez Myin-Germeys, Erno Hermans, & Raffael Kalisch, as well as Dr. Rayyan Tutunji & Anu Hiekkaranta for the symposium workshop: Measuring stress in real life (27th September), 8th International Symposium on Resilience Research, Johannes Gutenberg-University Mainz, Mainz, Germany.

2021 Co-host (together with Dr. Marilyn Piccirillo, Dr. Laura Bringmann, & Lesley Norris) for the panel discussion „So you want to do EMA? Developing a solid protocol for collecting experience sampling data” (16th November & 11th January), online event. [link: recording & slides](#)

2016 Co-host (together with Professor Raffael Kalisch and Professor Anne-Laura van Harmelen) for the Examining Resilience in Longitudinal Cohort Studies Using Multi-Modal Data Analysis Symposium (13th December), Cambridge, UK.

PRESENTATIONS (*invited)

2022 Studying risk and protective factors with experience sampling methods. „Measuring stress in real life“ workshop (27th September), at the 8th International Symposium on Resilience Research, Mainz, Germany.

2021 Mental Health Ecosystem: Exploring the dynamic landscape of psychosocial factors and mental health during the Covid-19 pandemic. Conference on Transdiagnostic Approaches (24th September), online event.

2021* Welche psychosozialen Faktoren fördern die psychische Gesundheit? Eine Exkursion zum Thema Resilienzfaktoren. Mainzer Resilienz Gespräche, Public Lectureseries (28th April), online event. [link](#)

2021* Reconsidering Resilience: On the Perks and Pitfalls of Promoting Mental Health Resilience. Resilient Minds Journal Club (25th March), online event.

2020* In Search for Resilience Factors. ChARM Seminar (20th Feb.), Cambridge, UK. [link](#)

2019* A Network Approach to Mental Health Resilience: Theory, Practice and Applications. Oxford OCEAN Lab Seminar (17th Dec.), Oxford, UK. [link](#)

2019 Unravelling the Complex Nature of Resilience Factors Following Childhood Adversity. 9th World Congress of Behavioural and Cognitive Therapies (18th July), Berlin, Germany.

2019* Unravelling the Complex Nature of Resilience Factors Following Childhood Adversity. Johannes Gutenberg University Medical Center (07th February), Mainz, Germany.

- 2018 Do Resilience Factors (RF) Fluctuate from Early to Late Adolescence? An Investigation of RF Interrelations and RF Mean Levels. Cambridge Psychiatry Symposium: Showcasing Graduate Research (21st November), Cambridge, UK.
- 2018 A Network Model of Resilience Factors for Adolescents With and Without Exposure to Childhood Adversity. Neuroscience in Psychiatry Network (NSPN) Scientific Meeting (09th March), Cambridge, UK.
- 2017* Using Network Models to Reveal Behavioural Resilience Structures. Cambridge Resilience Symposium (14th December), Cambridge, UK.
- 2017 Unravelling the Complexity of Resilience: A Network Model of Putative Resilience Factors for Adolescents With and Without Childhood Adversity. Cambridge Psychiatry Symposium: Showcasing Graduate Research (26th October), Cambridge, UK.
- 2017 A Network Model of Putative Resilience Factors for Adolescents With and Without Childhood Adversity. 3rd International Symposium on Resilience Research (28th September), Mainz, Germany.
- 2017 Mental Health Resilience to Exam Distress. Medical Education Research Group Meeting (02nd August), Cambridge, UK.
- 2017 Unravelling the Complex Concept of Resilience. Neuroscience in Psychiatry Network (NSPN) Scientific Meeting (09th March), Milton Keynes, UK.

INTERVIEWS & PODCASTS

- 2021 Varsity Podcast on Student Mental Health. "Matter on Your Mind". S.7 Ep.2 [link](#)
- 2019 Interview with the Cambridge Children's Hospital. [link](#)

TRAININGS

Statistics & Psychological Methods

- 2021 Modeling the Dynamics of Intensive Longitudinal Data Summer School, in person and online, Utrecht University, the Netherlands
- 2021 Human Change Processes, 13th Summer School, held online (originally: Seon Abbey, Germany)
- 2021 ESM Data Analysis Course (Mixed-Effects Models), held online (originally: Maastricht University, the Netherlands)
- 2019 Longitudinal Structural Equation Modelling Course, Summer Stats Camp, Albuquerque, USA
- 2019 An Introduction to Machine Learning, University of Cambridge, UK
- 2018 Multiple Imputation Course, Fall Stats Camp, London, UK
- 2018 Bayesian Statistics Summer School, Utrecht University, the Netherlands
- 2017 Network Analysis Winter School, University of Amsterdam, the Netherlands
- 2015 Matlab Introduction for Beginners, University of Cambridge, UK
- 2015 Introduction to Statistics with R, University of Cambridge, UK
- 2015 R Programming, John Hopkins University, Coursera Online Course

Scientific Management & Leadership

- 2018 Leadership Workshop, University of Cambridge, UK
- 2017 Managing Research Effectively and Reproducibly, University of Cambridge, UK

- 2016 How to Conduct Clinical Research Studies, University of Cambridge, UK
 2015 Good Clinical Practice, University of Cambridge, UK

Clinical & (Neuro-)Cognitive Assessment

- 2016 MRI Safety, University of Cambridge, MRC Cognition and Brain Sciences Unit, UK
 2015 MRI Safety, University of Cambridge, Wolfson Brain Imaging Centre, UK
 2015 Structured Clinical Interview for the DSM (SCID), University of Cambridge, UK
 2013 Cambridge Neuropsychological Test Automated Battery (CANTAB), Center for Human Drug Research, Leiden, the Netherlands

SKILLS

Psychometric and Statistical Expertise

- data reduction methods (e.g. exploratory/ confirmatory factor models), classification methods (e.g. factor mixture models, latent class analysis), methods to analyse longitudinal patterns in data (e.g. structural equation models, path models with and without moderation and mediation effects, latent change models), methods to analyse complex systems/ the interactions of a multitude of variables (e.g. network analysis), prediction methods (e.g. machine learning models), methods to analyse time-series (e.g. mixed-effects models, dynamic network models such as multi-level vector-autoregression models), methods to treat and/ or compensate for missing data (e.g. multiple imputation models), methods to compare models (e.g. permutation tests, models with invariance constraints).

Software Expertise

- Data analysis: R/ Rstudio (advanced); Mplus (intermediate); Matlab, SPSS, EQS (basic)
- Web-based data assessment: REDCap (advanced); E-Prime (intermediate); Qualtrics (basic)

Language Expertise

- German: native, English: fluent TOEFL=115/120, Dutch: fluent NT2=92%

AFFILIATIONS & COMMITTEE POSITIONS

- 2022 – present Leadership Committee Personalizing Psychotherapy Journal Club
 2017 – present INTRESA: International Resilience Alliance
 2018 – 2019 MRC Doctoral Training Student Committee
 2017 – 2018 Treasurer for the Cambridge University Refugee Aid and Action Society

INTERNSHIP AND ASSISTANT POSITIONS

Research Assistant Position

- 2013 – 2015 Center for Human Drug Research (CHDR), Leiden, The Netherlands
- conduction of pain experiments, EEG and cognitive assessments, as well as data management

Clinical Internships

- Summer 2014 Neuropediatric ward, 'Klinikum Kassel' Hospital, Kassel, Germany
- shadowing and conduction of cognitive, socio-emotional and behavioural diagnostic tests
- Summer 2013 Psychiatric ward, 'Reinhard-Nieter' Hospital, Wilhelmshaven, Germany
- shadowing of clinical assessments, clinical interviews (e.g. SCID) and group therapy

