

Curriculum Vitae – Julian Burger

Personal information

Name Julian Burger
Date of Birth 29 November, 1992
Nationality German
Email j.burger@uva.nl
Webpage www.julianburger.com



Research activities and training background

- From Sep 2023 **Postdoctoral Research Associate**
Yale University, New Haven (CT), office located in New York (NY), US
Yale LGBTQ Mental Health Initiative
PI: Prof. Dr. John Pachankis
- Sep 2022 – Dec 2022 **Visiting PhD researcher**
Northeastern University, Boston (MA), US
Project: The Future of Case Formulations
Supervision: Dr. Donald J. Robinaugh
Funding: KNAW van der Gaag grant
- Jan 2020 – Jun 2023 **Affiliated researcher at the Centre for Urban Mental Health**
University of Amsterdam, the Netherlands
Task: Statistical consultancy of PhD projects
- Jan 2019 – Jun 2023 **PhD candidate**
University of Amsterdam; University Medical Center Groningen
Thesis: Advancing Personalized Network Modelling in Clinical Practice.
Supervision: Dr. Sacha Epskamp, Date van der Veen, Prof. Dr. Robert Schoevers
Funding: NWO research talent Grant, [project number 406.18.542](#).
- Sep 2016 – Dec 2018 **MSc, Research Master Psychology**
University of Amsterdam, the Netherlands
Specialization: Psychological Methods and Clinical Psychology
Thesis: *Bridging the Gap between Models of Complexity and Clinical Practice: Therapy Implications from Psychopathological Dynamical Systems*,
Supervision: Dr. Sacha Epskamp
Grade: 9.5 (/10), awarded with the Best Thesis Award 2018/2019.
- Oct 2012 – Jul 2016 **BSc, Psychology**
University of Heidelberg, Germany
Thesis: *Feature-/Dimension-Framing in Contingency Judgments: Pseudocontingencies and Density Bias in a Cue Set with Mixed Base Rates*,
Supervision: Dr. Max Ihmels
Grade: 1.0 (German grading system)

Clinical work

June 2021 **LOGO certificate**

The LOGO certifies the completion of 520 clinical hours, in addition to specific training in conversation, clinical interviewing, and psychotherapy. It is a requirement for the training toward GZ-psychologist/clinical psychologist in the Netherlands.

Aug 2015 – Jan 2016 **Co-therapist in Outpatient Practice**

Clinical Internship, conducting exposure therapies, leading eating disorder group sessions, conducting intakes and semi-structured diagnostic interviews (SCID-I and -II).

Publications

- 2022 **Burger, J.**, Epskamp, S., van der Veen, D. C., Dablander, F., Schoevers, R. A., Fried, E. I. & Riese, H. (2022). A clinical PREMISE for personalized models: Toward a formal integration of case formulations and statistical networks. *Journal of Psychopathology and Clinical Science*, 138(8). [Link](#)
- 2022 **Burger, J.**, Isvoranu, A. M., Lunansky, G., Haslbeck, J. M. B., Epskamp, S., Hoekstra, R. H. A., Fried, E. I., Borsboom, D. & Blanken, T. (2022). Reporting standards for psychological network analyses in cross-sectional data *Psychological Methods*. [Link](#)
- 2022 **Burger, J.**, Ralph-Nearman C., & Levinson, C. A. (2022). Integrating clinician and patient case conceptualization with momentary assessment data to construct idiographic networks: Moving toward personalized treatment for eating disorders *Behaviour Research and Therapy*, 44, 101590. [Link](#)
- 2022 Hoffart, A., **Burger, J.**, Johnson, S. U., & Ebrahimi, O. V. (2022). Daily dynamics and mechanisms of anxious symptomatology in the general population: A network study during the COVID-19 pandemic. *Journal of Anxiety Disorders*, 102658. [Link](#)
- 2022 Mares, S. H., **Burger, J.**, Mares, S. H., Burger, J., Lemmens, L. H., van Elburg, A. A., & Vroling, M. S. (2022). Evaluation of the cognitive behavioural theory of eating disorders: A network analysis investigation. *Eating Behaviors*, 44, 101590. [Link](#)
- 2022 Karnbach, K., Witkowski, M., Ebrahimi, O. V., & **Burger, J.** (2022). Back to life, back to reality: A multi-level dynamic network analysis of student mental health upon return to campus during the COVID-19 pandemic. *Current Psychology*, 1-13. [Link](#)
- 2021 Ebrahimi, O. V., **Burger, J.**, Hoffart, A., & Johnson, S. U. (2021). Within and across-day patterns of interplay between depressive symptoms and related psychopathological processes: A dynamic network approach during the COVID-19 pandemic *BMC medicine*, 19(1), 1-17. [Link](#)
- 2021 Schumacher, L., **Burger, J.**, Zoellner, F., Zindler, A., Epskamp, S. & Barthel, D. (2021). Using clinical expertise and empirical data in constructing networks of trauma symptoms in refugee youth *European Journal of Psychotraumatology*, 12(1), 1920200. [Link](#)
- 2020 **Burger, J.**, van der Veen, D. C., Robinaugh, D., Quax, R., Riese, H., Schoevers, R. A., & Epskamp, S. (2020). Bridging the Gap Between Complexity Science and Clinical Practice by Formalizing Idiographic Theories: A Computational Model of Functional Analysis. *BMC medicine*, 18, 1-18. [Link](#)
- 2020 **Burger, J.**, Stroebe, M. S., Perrig-Chiello, P., Schut, H. A., Spahni, S., Eisma, M. C., & Fried, E. I. (2020). Bereavement or breakup: Differences in networks of depression. *Journal of Affective Disorders*, 267, 1-8. [Link](#)

- 2018 Derks, K., **Burger, J.**, van Doorn, J., Kossakowski, J. J., Matzke, D., Atticciati, L., ... & Cordesius, E. P. (2018). Network Models to Organize a Dispersed Literature: The Case of Misunderstanding Analysis of Covariance. *Journal of European Psychology Students*, 9(1). [Link](#)

Manuscripts currently under review (preprints)

- 2022 **Burger, J.**, Andikhash, V., Jäger, N., Anderbro, T., Blanken, T., & Klintwall, L. (2022). A Novel Approach for Constructing Personalized Networks from Longitudinal Perceived Causal Relations. *under review*. [Link](#)
- 2022 Schumacher, L., **Burger, J.**, Echterhoff, J., & Kriston, L. (2022). Methodological and Statistical Practices of using Symptom Networks to Evaluate Mental Health Interventions: A Systematic Review. *under review*. [Link](#)
- 2020 Leising, D., **Burger, J.**, Zimmermann, J., Bäckström, M., Oltmanns, J. R., & Connelly, B. (2020). Why do items correlate with one another? A conceptual analysis with relevance for general factors and network models. *under review*. [Link](#)

Book chapters

- 2022 **Burger, J.**, Hoekstra, R. H., Mansueto, A. C., & Epskamp, S. (2022). Network estimation from time series and panel data. In *Network psychometrics with R* (pp. 169-192). Routledge. [Link](#)
- 2022 Epskamp, S., Hoekstra, R. H., **Burger, J.**, & Waldorp, L. J. (2022). Longitudinal Design Choices: Relating Data to Analysis. In *Network psychometrics with R* (pp. 157-168). Routledge. [Link](#)

Invited talks

- 2022 **Conference on Human Change Processes, Seeon-Seebruck**
Organized by Günter Schiepek
Computational Models of Case Formulations.
- 2021 **SPSP Summer Psychology Forum (online)**
Dynamic Network Modelling.
- 2020 **Conference on Human Change Processes, Seeon-Seebruck**
Organized by Günter Schiepek and Franco Orsucci
Steps onto the Formalization of Idiographic Clinical Models.

Conferences and presentations

- 2023 **Society for Psychotherapy Research, Annual Convention, Dublin.**
Structured Discussion -informed Personalization and Feedback in Clinical Settings: Lessons Learned and Best Practices
- 2023 **Society for Ambulatory Assessment, Annual Convention, Amsterdam.**
Conference Presentation
A Novel Approach for Constructing Personalized Networks from Longitudinal Perceived Causal Relations
- 2023 **Association for Psychological Science, Annual Convention, Washington DC.**
Chair of Symposium
Improving Psychological Treatment Using Computational Models
- 2023 **Association for Psychological Science, Annual Convention, Washington DC.**
Conference Presentation
The Future of Case Formulation

- 2023 **Deutscher Psychotherapie Kongress, Berlin.**
Conference Presentation
 The Prior Elicitation Module for Idiographic System Estimation
- 2023 **Deutscher Psychotherapie Kongress, Berlin.**
Conference Presentation
 The Future of Case Formulation (German presentation: Die Zukunft des Fallkonzepts)
- 2022 **Association for Behavioral and Cognitive Therapies, New York City.**
Co-Chair of Symposium
 Generating and implementing insights from emergency situations: Using novel network methodologies to advance preparedness
- 2022 **Association for Behavioral and Cognitive Therapies, New York City.**
Conference Presentation
 Emergency preparedness through efficient model personalization: Towards a formal integration of case formulations and statistical networks
- 2022 **Association for Psychological Science, Annual Convention, Chicago.**
Conference Presentation
 Integrating clinical information and intensive Longitudinal data in establishing idiographic networks of eating disorders
- 2022 **Association for Psychological Science, Annual Convention, Chicago.**
Conference Presentation
 A Bayesian approach to estimating idiographic networks from informative priors
- 2022 **Association for Psychological Science, Annual Convention, Chicago.**
Conference Presentation
 Bridging the gap between complexity science and clinical practice by formalizing idiographic theories
- 2020 **Conference on Complex Systems, Mallorca (online).**
Conference Presentation
 A clinical PREMISE for personalized models: Using Bayesian Inference to Incorporate clinical expertise in statistical networks.
- 2020 **Association for Behavioral and Cognitive Therapies, Annual Convention, Philadelphia (online).**
Conference Presentation
 Towards Incorporating Clinical Expertise in Dynamical Network Models.
- 2020 **Association for Psychological Science, Annual Convention, Chicago.***
Co-Chair of Symposium
 Computational Clinical Psychology: Using Computational Models to Advance Clinical Theory, Case Conceptualization, and Treatment.
- 2020 **Association for Psychological Science, Annual Convention, Chicago.***
Conference Presentation
 Guidelines for Integrating Theory and Knowledge Into Psychological Networks.
- 2020 **Association for Psychological Science, Annual Convention, Chicago.***
Conference Presentation
 Bridging the Gap Between Complexity Science and Clinical Practice by Formalizing Idiographic Theories: A Computational Model of Functional Analysis.
- 2020 **Association for Psychological Science, Annual Convention, Chicago.***
Conference Presentation
 Bereavement or breakup: Differences in networks of depression

- 2019 **Conference on Complex Systems, Singapore.**
Conference Presentation
Complexity and the Issue of Implementation in Clinical Practice.
- 2019 **International Convention of Psychological Science (ICPS), Paris.**
Conference Presentation
Therapy Implications from Psychopathological Dynamical Systems (TIPS).
- * Accepted contributions, the conference was canceled due to the COVID-19 pandemic.

Grants and awards

- 2022 **KNAW van der Gaag grant**
6.200 Euro to fund my research visit in Boston.
Project: Using biopsychosocial dynamical systems to personalize psychotherapy.
- 2020 **Best Master Thesis Award, University of Amsterdam**
250 Euro prize money.
Thesis: Bridging the Gap between Models of Complexity and Clinical Practice: Therapy Implications from Psychopathological Dynamical Systems.
Supervision: Dr. Sacha Epskamp.
- 2019 **NWO research talent grant**
200.000 Euro to fund my four-year PhD project.
Project: Advancing Personalized Network Modelling in Clinical Practice.
[Link to project \(406.18.542\)](#).
- 2018 **Annual Poster Award, 2nd Prize, University of Amsterdam**
200 Euro prize money.
Project: Asking the Right Questions: A Network Approach To Determining Item-Orders.
Supervision: Dr. Sacha Epskamp.
- 2016 **ERASMUS scholarship**
Exchange semester at the Free University Amsterdam, courses in statistical consultancy.

Supervision

- 2022 **Master thesis of Emily Campos Sindermann**
Using a Network-Theory Module for Psychoeducation.
- 2022 **Research Master internship of Emily Campos Sindermann**
Making the Connections: Exploring the Validity and Clinical Utility of Self-reported Personalized Networks.
- 2020 **Master thesis of Lea Schumacher**
Network Analysis of PTSD symptoms in young refugees.

Teaching

Certificates

- 2023 **BKO certificate**
University Teaching Qualification (Basiskwalificatie Onderwijs)
Teaching organization
- 2022 – present **Psychological Network Analysis Winter School, UvA**
Co-organizing the winter school.

Lecturing and coordination

- 2020 – present **Skills and Research Methods in Psychology (PPLE, UvA)**
Lecturing and coordination of the 2nd year Bachelor course within the interdisciplinary programme PPLE (Politics, Psychology, Law, Economics), University of Amsterdam.
- 2019 – present **Dynamic Network Modelling using Time-Series Data (Psychological Network Analysis Winter School, UvA)**
Giving the lecture on dynamic network models within the winter school of psychological networks at the University of Amsterdam.
- 2018 – present **Doing Research, an Introduction (PPLE, UvA)**
Coordination of the 1st year Bachelor course within the interdisciplinary programme PPLE, University of Amsterdam.

Junior lecturer

- 2017 – present **Courses within PPLE**
This entails leading work groups in the courses:
- Doing Research, an Introduction (coordination)
- Security: Mental Health and Stigma
- Research Lab
- Introduction to Statistical Analysis

Workshops

- 2019 **Flanders' training network for Methodology and Statistics, Gent**
1-day workshop on dynamic network modeling for the FLAMES summer school, including $N = 1$, $N > 1$, multi-level modeling and challenges to VAR models.

Teaching assistance

- 2018 **Teaching Assistance for courses in the Research Master Psychology, UvA**
- Structural Equation Modeling 2
- Structural Equation Modeling 1: Confirmatory Factor Analysis
- Network Analysis

Academic mentorship

- 2017 – present **Mentoring Bachelor students at PPLE**
Academic mentorship for 30 students in the PPLE programme.

Statistical consultancy

- 2022 **Statistical consultancy for VIDI project of Dr. Annelou de Vries (awarded)**
Consulting and writing the statistical analysis section for the NWO VIDI project "Strengthening Transgender Care for Youth". The project was awarded and will run from 01/01/2023 at the VUmc in Amsterdam.
- 2020 – present **Centre for Urban Mental Health, UvA**
Statistical consultancy for PhD projects within the Centre.
- 2017 – 2018 **Methodology Shop**
Statistical consultancy for research projects within the psychology department, as well as other institutes (Medical Academic Center Amsterdam).

Graduate school and course work

Courses taken within the **IOPS graduate school** (Interuniversity Graduate School of Psychometrics and Sociometrics):

- Mathematical Statistics
- Bayesian Inference
- What is Psychometrics?
- Statistical Consulting
- Modeling intensive longitudinal data
- Designing Ecological Momentary Assessment studies (external at Pitt-methods summer school)
- Group-Iterative-Multiple-Model-Estimation (external at Pitt-methods summer school)

Software and modeling skills

Proficient: R, RShiny, STAN/JAGS, SPSS.

Intermediate level: Python, MPlus.

Other activities

2019 – 2022 **Organization of the psychosystems lab meetings**

The psychosystems lab is headed by Prof. Dr. Denny Borsboom, Department of Psychological Methods, University of Amsterdam

2022 – present **Staff member of the Diversity board at PPLE**

Psychology, Politics, Law, Economics, at the University of Amsterdam

Languages

German (native), English (C2), Dutch (C1)