

Dr. Stephan Krayter

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Profile

Human-Computer Interaction | Computer-Supported Cooperative Work | Health Care

Experience

University of Siegen October 2023 – Present
Research Associate / Post-Doctoral Researcher Siegen

Chair of Information Systems, esp. IT for the Aging Society

Project FUSION: Subproject 4 – Health and Ageing & Subproject 5 – Social Affairs and Inclusion
(Project Lead: Prof. Dr. Claudia Müller)

University of Siegen February 2022 – January 2024
Research Associate Siegen

Chair of Digital Public Health

Project TelReKo: Training Needs of Therapists and Rehabilitation Patients for the Competent Use of
Online-Based Rehabilitation Aftercare Services
(Project Lead: Prof. Dr. Christoph Dockweiler)

University of Siegen September 2022 – September 2023
Research Associate Siegen

Chair of Digital Public Health

Project KINBIOTICS: Development of an AI-Based Decision Support System for Individualized Prediction of
Effective Antibiotic Therapies
(Project Lead: Prof. Dr. Christoph Dockweiler)

University of Siegen July 2018 – September 2022
Research Associate Siegen

Chair of Sociology of Health and Health Care System (Prof. Dr. Claus Wendt)

Junior Research Group MEPYSO: Medicalization and Psychologization of Social Problems – Challenges and
Opportunities for Social Policy
(Project Lead: Dr. Nadine Reibling)

University of Siegen April 2017 – July 2018
Student Assistant Siegen

- Junior Research Group MEPYSO
- Project SmartLive
- Statistics Lecture Tutor
- Organisation of Children's University

Daycare Center of Student Services Siegen February 2013 – May 2017
State-Certified Early Childhood Educator Siegen

Working as a Specialist for Inclusive Education

Family Center Kreuztal-Mitte April 2009 – April 2012
State-Certified Early Childhood Educator Kreuztal

Working as a Specialist for Inclusive Education

Education

University of Siegen

July 2018 – May 2025

Doctorate Dr. rer. soc.

Siegen

Dissertation: Medicalization and Psychologization in Scientific and Public Discourses – The Perception of Poverty, Unemployment and Childhood Development

Supervisors: Prof. Dr. Claus Wendt & Prof. Dr. Christoph Strünck

Grade: Magna Cum Laude

University of Siegen

April 2016 – July 2018

M.A. Social Sciences

Siegen

Master Thesis: Psychologization (in) the World of Work – A Study of Work-Related Mental Stress in the Context of Digitalization

Supervisors: Prof. Dr. Claus Wendt & Dr. Nadine Reibling

Grade: 1.8

University of Siegen

October 2011 – March 2016

B.A. Social Sciences

Siegen

Bachelor Thesis: Subcultural Music Styles as Influencing Media in Adolescence and Post-Adolescence

Supervisors: Dr. Andrea Maria Dederichs & Dr. Emre Arslan

Grade: 2.0

School of Social Work, Specialisation in Social Pedagogy, Siegen

August 2006 – July 2009

State-Certified Early Childhood Educator

Siegen/Kreuztal

Practical Training at the Villa Schübel Daycare Center of the Family Center Kreuztal-Mitte

Publications

Krayter, S., Bhattacharjee, S., Fatima, F., Patanker, A., Epping, L., & Mueller, C. (2026). Beyond AI Capability – Governance, Trust, and Realistic Scope in Rural Health Chatbots. Proceedings of the 2026 ACM Interactive Health Conference, 1–7. <https://doi.org/10.1145/3786579.3804951>.

Krayter, S., Kirschsieper, D., Reichstein, M. F., Meisner, K., Wissenbach, L., Humbert, C., Lechevalier, S., & Müller, C. (2026). Technology Design for Community-Based Care in Rural Contexts: National Conditions and Local Practices. Proceedings of the 1st EUSSET International Conference on Innovation in Rural Regions (ICIRR) – Workshops, Reports of the European Society for Socially Embedded Technologies. ISSN: 2510-2591. https://doi.org/10.48340/icirr2026_30.

Krayter, S., & Müller, C. (2026). The Work Behind the Network: Practitioner-Led Governance Innovation in Rural Healthcare. Proceedings of the 1st EUSSET International Conference on Innovation in Rural Regions (ICIRR) – Paper, Reports of the European Society for Socially Embedded Technologies. ISSN: 2510-2591. https://doi.org/10.48340/icirr2026_08.

Stark-Blomeier, A. L., Krayter, S., Albrecht, J., & Dockweiler, C. (2026). Fit für die digitale Reha-Nachsorge: Anforderungen an die Gestaltung von Schulungen aus multiperspektivischen World Cafés. Zeitschrift für Evidenz, Fortbildung und Qualität im Gesundheitswesen, 200, 67–75. <https://doi.org/10.1016/j.zefq.2025.10.002>.

Stark-Blomeier, A. L., Krayter, S., & Dockweiler, C. (2025). Training Needs in Telerehabilitation: Results of a Cross-Sectional Online Survey with Therapists and Patients. Frontiers in Public Health, 13, <https://doi.org/10.3389/fpubh.2025.1688055>.

Krayter, S., Kirschsieper, D., & Müller, C. (2025). Beyond Implementation: Exploring Older Adults Perspectives on the Electronic Patient File (ePA) in Germany. https://doi.org/10.48340/ihc2025_pd011. European Society for Socially Embedded Technologies (EUSSET). EISSN: 2510-2591. Poster and Demo. Troyes, France. 6 October – 7 October, 2025

- Krayter, S., Bittenbinder, S., Meisner, K., Reichstein, M. F., Wissenbach, L., & Müller, C. (2025). Invisible Work in Social Service Access: Barriers, Resources, and Consequences. Proceedings of the 23rd EUSSET Conference on Computer Supported Cooperative Work. https://doi.org/10.48340/ECSCW2025_PD05. European Society for Socially Embedded Technologies (EUSSET). EISSN: 2510-2591. Posters and Demos. Newcastle upon Tyne, United Kingdom. June 30th – July 4th, 2025
- Stark-Blomeier, A. L., Krayter, S., & Dockweiler, C. (2025). Competency Requirements for Patients and Therapists in Telerehabilitation Aftercare: A Qualitative Study. *Frontiers in Rehabilitation Sciences*, 6, 1640416. <https://doi.org/10.3389/fresc.2025.1640416>
- Stark-Blomeier, A. L., Krayter, S., & Dockweiler, C. (2025). Developing a Competency Model for Telerehabilitation Therapists and Patients: Results of a Cross-Sectional Online Survey. *PLOS Digital Health*, 4(1), e0000710. <https://doi.org/10.1371/journal.pdig.0000710>
- Krayter, S. (2025). Medicalization and Psychologization in Scientific and Public Discourses – The Perception of Poverty, Unemployment and Childhood Development. *Universitätsbibliothek Siegen*. <https://doi.org/10.25819/ubsi/10723>.
- Tokgöz, P., Krayter, S., Hafner, J., & Dockweiler, C. (2024). Decision Support Systems for Antibiotic Prescription in Hospitals: A Survey with Hospital Managers on Factors for Implementation. *BMC Medical Informatics and Decision Making*, 24(1), 96. <https://doi.org/10.1186/s12911-024-02490-7>
- Krayter, S. (2023). News Coverage of Mental Health in Children During the COVID-19 Pandemic – An Analysis of the German Press Landscape. *Zeitschrift Für Sozialreform*, 69(2), 119–142. <https://doi.org/10.1515/zsr-2022-0103>
- Krayter, S., & Ariaans, M. (2023). Poverty: More Than Just a Lack of Material Resources? In *Toward a Biopsychosocial Welfare State? How Medicine and Psychology Transform Social Policy* (pp. 107–128). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-031-32793-3_5
- Stark, A. L., Krayter, S., & Dockweiler, C. (2023). Competencies Required by Patients and Health Professionals Regarding Telerehabilitation: A Scoping Review. *DIGITAL HEALTH*, 9. <https://doi.org/10.1177/20552076231218841>
- Stark, A., Krayter, S., & Dockweiler, C. (2022). Competencies Required by Patients and Therapists Regarding Telerehabilitation: A Scoping Review Protocol. <https://doi.org/10.17605/OSF.IO/9QK7A>
- Krayter, S., & Reibling, N. (2020). Medicalisation and Psychologisation of Poverty? An Analysis of the Scientific Poverty Discourse from 1956 to 2017. *Journal of Poverty and Social Justice*, 28(3), 361–381. <https://doi.org/10.1332/175982720X15979441697421>
- Linden, P., Reibling, N., & Krayter, S. (2018). Lieber krank und arbeitslos als „nur“ arbeitslos? Die Auswirkungen der Medikalisierung von arbeitslosen Personen auf Stigmatisierungsprozesse. *Zeitschrift Für Sozialreform*, 64(4), 431–461. <https://doi.org/10.1515/zsr-2018-0022>

Teaching

On Caring and Artificial Intelligence A guide to local support services <i>Universität Siegen</i>	April 2026 – September 2026
Introduction to Academic Research <i>University of Siegen</i>	October 2025 – March 2026
Development of a Chatbot to Support the Search for Social and Health Services <i>University of Siegen</i>	April 2025 – October 2025
Work & Health <i>University of Siegen</i>	October 2021 – March 2022
Public Health & Development Policy <i>University of Siegen</i>	April 2021 – September 2021

Supervised Theses

- Telemedicine in Pre-Hospital Emergency Medicine
- Maternal Mortality Rate in the United States of America
- Social Support as Part of Coping with Illness among YouTube Content Creators with Borderline Personality Disorder
- Prevention of Computer Game and Media Addiction: Tasks and Design of Meaningful Addiction Prevention in the Municipal Context

Certificates

House of Young Talents Certificate Program *University of Siegen*

August 2025 – September 2026

Course List:

- Coaching Methods for Aspiring Leaders – Communicating and Motivating More Effectively
- Agile Project Management
- Self-Organisation in Academic Writing
- Conference Communication – How to Become Visible and Enjoy Networking
- Avoiding Plagiarism in the Age of AI
- Setting the Bar Too High? – The Impostor Phenomenon in Academia
- Which Job Can Make Me Happy? – Clarifying One's Own Career and Life Goals
- Don't Sell Yourself Short – Salary Negotiation for Researchers
- Data Management and State of the Art
- Qualitative Content Analysis according to Philipp Mayring
- Open Access Publishing at the University of Siegen
- Between Uncertainty and Opportunity – The Postdoc Phase in a Nutshell
- Status Communication – Setting Boundaries and Taking Space in Academia
- Self-Marketing – Confident Handling of One's Own Achievements and Strengths
- Academic Career in Focus: Downsides and Pitfalls in Academia

Individual Training

PhD Seminar on Participatory Design: Contemporary Agendas *Aarhus University, Denmark*

June 2025

Writing. Science. Clearly. *National Institute for Science Communication (NaWik) – Online*

March 2021

MAXQDA Workshop *University of Siegen*

November 2019

Summer School “Social Media Theory & Research” *Radboud University, Nijmegen, Netherlands*

September 2019

**Gießen Methods Workshop “Collection and Analysis
of Social Media Data with Netlytic”**
University of Gießen

February 2019

Academic Writing Skills for Doctoral Researchers
University of Siegen

June 2019

Presentation Skills for Doctoral Researchers
University of Siegen

June 2019

Statistical Methods for Longitudinal Data Analysis
University of Siegen

June 2018

Successful Third-Party Funding Applications

CareCenter Bothfeld

Model Project pursuant to § 123 SGB XI (German Social Code, Book XI).

Joint project of the City of Hannover, the Institute for Universal Design, and the University of Siegen

Other Activities

Steering Committee Member

EUSSET – European Society for Socially Embedded Technologies

Co-Speaker of the Cluster “Health in the Region”

Centre for Interdisciplinary Health Research at the University of Siegen (ZIGS)

Reviewer

SSM – Population Health

Conference Organisation

Program Committee & Local Organisation, International Conference on Innovation in Rural Regions (ICIRR)