

Elena Rakuša

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EDUCATION

PhD STUDENT Since November 2020	Demography, University of Rostock Topic: Trends and determinants of neurodegenerative diseases in ageing societies
MASTER OF SCIENCE September 2017 – June 2020	<i>Computational Life Science</i> Focus: genetic statistics, University of Lübeck
ERASMUS September 2017 – March 2018	<i>Advanced Mathematics and Mathematical Engineering</i> Universitat Politècnica de Catalunya, Barcelona
BACHELOR OF SCIENCE October 2014 – August 2017	<i>Computational Life Science</i> University of Lübeck

PRACTICAL EXPERIENCE

RESEARCH ASSOCIATE Since November 2020	German Center for Neurodegenerative Diseases (DZNE), Bonn
STUDENT ASSISTANT April 2018 – March 2020	Institute for Social Medicine and Epidemiology, UKSH Lübeck
STUDENT ASSISTANT April 2017 – September 2017	Institute for Social Medicine and Epidemiology, UKSH Lübeck

ADDITIONAL TRAINING

Since November 2021	International Max Planck Research School for Population, Health and Data Science (IMPRS-PHDS), Cohort 2021, MPIDR Rostock
16.08. 2021 - 20.08.2021	IfG Summerschool 2021, Empirical Approaches on Aging Research, University Vechta
05.02. 2024 - 09.02.2024	Foundations in Statistical Demography, Max Planck Institute for Demographic Research, Rostock, Germany

COMPUTER SKILLS

R Studio, Stata, Matlab, Python, SPSS, Latex, MS Office, TYPO3

LANGUAGE SKILLS

German, English

PUBLICATIONS

Jahreis K, Brüge A, Borsdorf S, **Rakusa E**, et. al. (2023): Amisulpride as a potential disease-modifying drug in the treatment of tauopathies. *Alzheimer's Dement.* 2023; 1–16. DOI: 10.1002/alz.13090.

Eisemann N, Schnoor M, **Rakusa E**, et al. (2023): Psychosocial health and quality of life in ICSI and naturally conceived adolescents: a cross-sectional comparison. *Quality of Life Research.* DOI: 10.1007/s11136-023-03382-5.

Rakuša E, Fink A, Tamgüney G, Heneka MT, Doblhammer G (2023): Sporadic Use of Antibiotics in Older Adults and the Risk of Dementia: A Nested Case-Control Study Based on German Health Claims Data. *J Alzheimers Dis.* 93(4):1329-1339. DOI: 10.3233/JAD-221153.

Georges D, **Rakuša E**, Holtz AV, Fink, A, Doblhammer G, (2023): Demenzerkrankungen in Deutschland: Epidemiologie, Trends und Herausforderungen. *Journal of Health Monitoring* 8(3), 32-52. Robert Koch-Institut. DOI: 10.25646/11566.

PUBLIC RELATIONS

Rakuša E, Fink A, Tamgüney G, Heneka MT, Doblhammer G (2023): Antibiotika und Demenzerkrankungen. *Demografische Forschung aus erster Hand.* Jahrgang 20; 3. Quartal.

Rakuša E, Fink A, Tamgüney G, Heneka MT, Doblhammer G (2024): Antibiotika-Therapien können das Auftreten von Demenz verzögern. MA-Verlag, Schattenblick (Online-Ausgabe, 23.02.2024).

PRESENTATIONS AND POSTERS

Rakuša E, Reinke C, Doblhammer G, Schmid M, Welchowski T: Ist eine Demenzdiagnose prädiktiv für die Palliativversorgung? – Ein machine learning Ansatz, Presentation at the annual conference of the German Society for Epidemiology (DGEpi) (Würzburg, 26-28 September 2023)

Rakuša E, Reinke C, Doblhammer G, Schmid M, Welchowski T: Is a dementia diagnosis predictive for palliative care? - A machine learning approach, Poster at the Alzheimer's Association International Conference (AAIC) (Amsterdam, 16-20 July 2023)

Rakuša E, Reinke C, Doblhammer G, Schmid M, Welchowski T: Is a Dementia Diagnosis Predictive for Palliative Care? A Machine Learning Approach, Poster at the CURE-ND workshop for Early Career Researchers (Leuven, 20-22 May 2023)

Rakuša E: Operationalization of health care use with health claims data at the end-of-life for patients with and without dementia, Poster at the DZNE PhD Retreat (Bonn, 12-14 October 2022)

Rakuša E, Fink A, Tamgüney G, Heneka MT, Doblhammer G: Are antibacterials for systemic use associated with subsequent dementia? – A nested case-control study with German health claims data for the years 2004 – 2019, Poster at the CURE-ND workshop for Early Career Researchers (London, 25-27 May 2022)

Rakuša E, Fink A, Tamgüney G, Heneka MT, Doblhammer G: Do antibiotics for systemic use have an impact on dementia? Presentation at the annual conference of the German Society for Epidemiology (DGEpi) (Online, 20-22 September 2021)

FUNDING RECEIVED

May 2023

Travel grant, DZNE Foundation - Research for a Life without Dementia, Parkinson's & ALS: 500€

PEER-REVIEWS

Journal of Alzheimer's Disease (Associate Editor since 2024)