

PD Dr Friederike Erdmann, MPH

Co-Head of Division and Head of Research Group

Division of Childhood Cancer Epidemiology/ Research Group Aetiology and Inequalities in Childhood Cancer

Institute of Medical Biostatistics, Epidemiology and Informatics (IMBEI),

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AREA OF EXPERTISE: Cancer Epidemiology, Cancer Registration, Paediatric Cancer, Childhood Cancer Aetiology, Social Inequalities, Environmental Epidemiology, Register-Based Observational Research, Record-Linkage Studies, Lead and Coordination of International Collaborations and Research Projects, Medical Writing

PERSONAL STATEMENT:

I am an internationally trained cancer epidemiologist with a focus on childhood cancer. With over 15 years of experience in conceptualising and conducting register-based epidemiological studies, as well as interpreting and disseminating research findings, I have built a robust methodological foundation while maintaining a broad perspective on the research landscape. I have a proven record of establishing, leading, and collaborating in multidisciplinary, international research consortia, and I thrive in fast-paced, collaborative environments.

My research focuses on exploring the relationship between environmental, socioeconomic, and psychosocial factors throughout the course of childhood cancer — from incidence and diagnosis to morbidity, survival, and long-term consequences for patients and their families. My ultimate goal is to identify key determinants and potential targets for preventive strategies, reducing the incidence of childhood cancer, promoting equal access to care, and improving the health and quality of life for survivors.

QUALIFICATIONS

02/2024	Habilitation/ Venia legendi for Epidemiology and Public Health , University of Bremen
2012-2015	PhD in Epidemiology/ Public Health , University of Bremen/ International Agency for Research on Cancer, World Health Organization Thesis title: <i>Incidence of and survival from childhood cancer – The role of social and family factors in childhood cancer</i> Grade: summa cum laude (with highest recognition)
2007-2010	Master of Arts in Public Health , University of Bremen
2004-2007	Bachelor of Arts in Public Health/ Health Sciences , University of Bremen

PROFESSIONAL EXPERIENCE

Since 07/2025	Co-Head of Division , Division of Childhood Cancer Epidemiology, Institute of Medical Biostatistics, Epidemiology and Informatics (IMBEI), University Medical Center Mainz, Mainz, Germany
Since 05/2023	Head of Research Group , Research Group “Aetiology and Inequalities in Childhood Cancer”, Division of Childhood Cancer Epidemiology, Institute of

	Medical Biostatistics, Epidemiology and Informatics (IMBEI), University Medical Center Mainz, Mainz, Germany
01/2023-05/2023	Guest Scientist , Division of Childhood Cancer Epidemiology, Institute of Medical Biostatistics, Epidemiology and Informatics (IMBEI), University Medical Center Mainz, Mainz, Germany
03/2020-12/2022	Head of Division (until 06/2022) and Senior Researcher , Division of Childhood Cancer Epidemiology, Institute of Medical Biostatistics, Epidemiology and Informatics (IMBEI), University Medical Center Mainz, Mainz, Germany
Since 08/2018	Guest Scientist , Department of Prevention and Evaluation, Leibniz Institute for Prevention Research and Epidemiology – BIPS, Bremen, Germany
03/2016-09/2022	Visiting Scientist , Environment and Lifestyle Epidemiology Branch, IARC, WHO, Lyon, France
03/2016-02/2020	Postdoctoral Scientist , Childhood Cancer Research Group, Danish Cancer Society Research Center, Copenhagen, Denmark
10/2013-11/2013	Visiting Scientist , National Cancer Registry of South Africa, Johannesburg, South Africa
11/2011-02/2016	Pre-doctoral Research Fellow and Postdoctoral Research Fellow , Environment and Lifestyle Epidemiology Branch, IARC, WHO, Lyon, France
2010-2011	Research Associate , Association of Dermatological Prevention, Hamburg, Germany

RESEARCH STAYS ABROAD

2016	Unit of Epidemiology, Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden (1 week)
2016	Central American Institute for Studies on Toxic Substances, Universidad Nacional, Costa Rica (2 weeks)
2013	National Cancer Registry of South Africa, Johannesburg, South Africa (3 months)
2012	Epidemiology and Cancer Statistics Group, University of York, York, United Kingdom (1 month)
2011	Section of Environment and Radiation, IARC, WHO, Lyon, France (6 weeks)

FUNDED RESEARCH GRANTS OVER THE PAST 7 YEARS

Total of 20 grants as either main or co-applicant with a funding volume of approximately 3.3 million €.

CONTRIBUTION TO SCIENCE

107 original articles, review article, commentaries and book chapters; H-index: 33, i10-index: 72, total number of citations: 5371 (Google scholar, as of 21 April 2026); 28 invited scientific presentations and guest lectures.

HONORS

2019	Young Investigator Award by the International Society of Paediatric Oncology (SIOP)
2019	Junior Investigator Award by the Brain Tumor Epidemiology Consortium (BTEC)

- 2016 Travel award to visit the Central American Institute for Studies on Toxic Substances (IRET), Universidad Nacional, Costa Rica
- 2015 PhD with highest recognition (summa cum laude)
- 2013 Poster Award, 6th Mildred Scheel Cancer Conference, Königswinter, Germany
- 2012 Travel award to attend the annual congress of The German Society for Epidemiology, Regensburg, Germany
- 2009 Travel award to attend the Erasmus Intensive Course COSPI (Combating Obesity: Strategies for Prevention and Intervention), Grundlsee, Austria

SELECTED OTHER SCIENTIFIC DISTINCTIONS AND MERITS

- Expert member of advisory board of the Centre for Cancer Registry Data (ZfKD), Robert Koch Institute, appointed by the Federal Ministry of Health (since 2025)
- Speaker of the “Cancer Epidemiology” Working Group of the German Society for Epidemiology (Deutsche Gesellschaft für Epidemiologie, DGEpi) (since 2023)
- Invited expert at the Workshop on Environmental Determinants of Childhood and Adolescent Cancer, European Commission, Directorate-General for Research & Innovation, Brussels, October 2023
- Principal scientific advisor of the WHO European Report on Inequalities in Childhood Cancer (Childhood cancer inequalities in the WHO European Region. Copenhagen: WHO Regional Office for Europe; 2022)
- Scientific Advisory Board member of the Cancer Risk in Childhood Cancer Survivors (CRICCS) project of IARC (2020-2022)
- Board of Directors of the Brain Tumor Epidemiology Consortium (BTEC) (since 2020)
- Steering Group member of The socioeconomic consequences in Adult Life after Childhood Cancer in Scandinavia (SALiCCS) research program (since 2016)
- Associate Editor in the Frontiers in Oncology Editorial Board
- Childhood Leukemia International Collaboration (CLIC), member (since 2012) and coordinator of the CLIC Data Coordination Center at IARC (2014-2020)
- Expert at the European Code Against Cancer, 4th version, Working Group Radiation 2012-2014