

Education/ Degrees

MSc Nutrition sciences and epidemiology; University of Wageningen (Netherlands)	1987
PhD Epidemiology, University of Wageningen (Netherlands)	1994

Major current and previous appointments

Research fellow, International Agency for Research on Cancer (IARC), Lyon, France.	1986 – 1987
Research associate, University of Utrecht, Netherlands	1987 – 1988
Epidemiologist, Unit of Nutrition and Cancer, IARC, Lyon, France	1988 - 2001
Head, Hormones & Cancer Group, IARC, Lyon, France	2002 - 2006
Professor (Chair, “Cancer Epidemiology”), Karl Ruprecht University, Heidelberg, Germany.	Aug 2006 –
Head, Division of Cancer Epidemiology, German Cancer Research Center (DKFZ), Heidelberg, Germany	Aug 2006 -
Founding PI and Board of Managing and Scientific Directors of the German National Cohort.	2008 – 2015
Speaker / Coordinator of the Research Program “Cancer Risk Factors and Prevention“ at the German Cancer Research Center (DKFZ)	2015 - 2019

Citation Record: Total citations: 100,519; h-index:143; (Clarivate Web of Science, March, 2026)

10 selected Publications (Lung cancer Screening)

1. **Kaaks R**, Cortés-Ibáñez FO, Delorme S, Motsch E, Katzke V, Heussel CP, Kauczor HU, Picozzi G, Gorini G, Carozzi FM, Carrozzi L, Paci E, Puliti D, Mascalchi M. Effectiveness of Lung Cancer Screening by Sex and Tumor Histology: Extended, Pooled Analysis of the ITALUNG and LUSI Trials, with Comparison to Findings in the NLST. *Cancer Commun (Lond)*. 2026 Feb 24;46:0011. doi: 10.34133/cancomm.0011.
2. Vogel-Claussen J, Bollmann BA, May K, Stiebeler S, Dettmer S, Faron A, Kuhlmann A, Schmid-Bindert G, **Kaaks R**, Barkhausen J, Bohnet S, Reck M; HANSE investigators. Effectiveness of NELSON versus PLCom2012 lung cancer screening eligibility criteria in Germany (HANSE): a prospective cohort study. *Lancet Oncol*. 2025 Dec;26(12):1541-1551. doi: 10.1016/S1470-2045(25)00490-5.
3. Mascalchi M, Puliti D, Cavigli E, Cortés-Ibáñez FO, Picozzi G, Carrozzi L, Gorini G, Delorme S, Zompatori M, Raffaella De Luca G, Diciotti S, Eva Comin C, Ali G, **Kaaks R**. Large cell carcinoma of the lung: LDCT features and survival in screen-detected cases. *Eur J Radiol*. 2024 Oct;179:111679. doi:10.1016/j.ejrad.2024.111679. Epub 2024 Aug 14. PMID: 39163805.
4. Cortés-Ibáñez FO, Johnson T, Mascalchi M, Katzke V, Delorme S, **Kaaks R**. Cardiac troponin I as predictor for cardiac and other mortality in the German randomized lung cancer screening trial (LUSI). *Sci Rep*. 2024 Mar 26;14(1):7197. doi: 10.1038/s41598-024-57889-z.
5. Cortés-Ibáñez FO, Johnson T, Mascalchi M, Katzke V, Delorme S, **Kaaks R**. Serum-based biomarkers associated with lung cancer risk and cause-specific mortality in the German randomized Lung Cancer Screening Intervention (LUSI) trial. *Transl Lung Cancer Res*. 2023 Dec 26;12(12):2460-2475. doi: 10.21037/tlcr-23-548. Epub 2023 Dec 22. PMID: 38205209; PMCID: PMC10775005.

- 6: **Kaaks R**, Christodoulou E, Motsch E, Katzke V, Wielpütz MO, Kauczor HU, Heussel CP, Eichinger M, Delorme S. Lung function impairment in the German Lung Cancer Screening Intervention Study (LUSI): prevalence, symptoms, and associations with lung cancer risk, tumor histology and all-cause mortality. *Transl Lung Cancer Res.* 2022 Sep;11(9):1896-1911. doi: 10.21037/tlcr-22-63.
- 7: González Maldonado S, Johnson T, Motsch E, Delorme S, **Kaaks R**. Can autoantibody tests enhance lung cancer screening? -an evaluation of EarlyCDT@Lung in context of the German Lung Cancer Screening Intervention Trial (LUSI). *Transl Lung Cancer Res.* 2021 Jan;10(1):233-242. doi:10.21037/tlcr-20-727.
- 8: González Maldonado S, Motsch E, Trotter A, Kauczor HU, Heussel CP, Hermann S, Zeissig SR, Delorme S, **Kaaks R**. Overdiagnosis in lung cancer screening: Estimates from the German Lung Cancer Screening Intervention Trial. *Int J Cancer.* 2021 Mar 1;148(5):1097-1105. doi: 10.1002/ijc.33295.
- 9: Hüsing A, **Kaaks R**. Risk prediction models versus simplified selection criteria to determine eligibility for lung cancer screening: an analysis of German federal-wide survey and incidence data. *Eur J Epidemiol.* 2020 Oct;35(10):899-912. doi: 10.1007/s10654-020-00657-w. Epub 2020 Jun 27.
- 10: Becker N, Motsch E, Trotter A, Heussel CP, Dienemann H, Schnabel PA, Kauczor HU, Maldonado SG, Miller AB, **Kaaks R**, Delorme S. Lung cancer mortality reduction by LDCT screening-Results from the randomized German LUSI trial. *Int J Cancer.* 2020 Mar 15;146(6):1503-1513. doi: 10.1002/ijc.32486.