Mattias Johansson, PhD

WG Member

Department: Risk assessment and Early Detection team (RED); Prevention, Early detection, Prevention, and Infections Branch (EPR)
Institute: International Agency for Research on Cancer (IARC/WHO)

Education and professional background
Dr Mattias Johansson joined the International Agency for Research on Cancer (IARC/WHO) as a staff scientist in 2010. He currently co-leads the Risk assessment and Early Detection team (RED) within the Early detection, Prevention, and Infections Branch (EPR). Dr Johansson originally studied master's in engineering physics at Umeå University in Sweden, followed by PhD studies in prostate cancer etiology.

Research Field
Dr Johansson is an epidemiologist and focus on understanding the etiological and mechanistic factors underlying cancer risk and outcomes, and on developing prediction models for early detection and prognosis. A central feature of his work involves integrating questionnaire, demographic, biomarker, genetic, and genomic data in large-scale population studies.

Dr Johansson has extensive experience in coordinating major international collaborative, including the Lung Cancer Cohort Consortium (LC3). LC3 brings together 27 cohorts worldwide and includes more than 3 million longitudinally followed participants, providing a unique platform for studying lung cancer risk across diverse populations.

Dr Johansson and his colleagues have made major contributions to the development and validation of cancer risk prediction and early diagnosis tools, particularly in the context of low-dose CT screening for lung cancer. His team has published widely on both questionnaire-based and biomarker-based risk models.

Dr Johansson has co-authored around 300 scientific publications and has an h-index of 83.