



Edyta Paradowska

FULL PROFESSOR · HEAD OF THE VIROLOGY LAB – INSTITUTE OF MEDICAL BIOLOGY

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Currently held positions

Institute of Medical Biology of the Polish Academy of Sciences

Lodz

FULL PROFESSOR

Institute of Medical Biology of the Polish Academy of Sciences

Lodz

HEAD OF THE VIROLOGY LAB

Scientific profile and collaborations

My research primarily focuses on identifying the molecular mechanisms of viral infections in humans, including the genetic variability of viruses and hosts, intercellular signalling, innate immunity, antiviral responses, and the pathogenesis of viral infections. These studies include virus-host interactions by conducting analyses at the level of genes, transcripts, and proteins.

Topics of my recent projects include: congenital and perinatal human cytomegalovirus (HCMV) infections, identification of molecular markers of HCMV associated with symptomatic infections in infants, molecular mechanisms associated with human papillomavirus and HCMV infections involved in the pathogenesis of ovarian cancer, the course of COVID-19 disease in the aspect of immune response and genetic variability of the host and SARS-CoV-2.

Selected collaborations:

Poland: Medical University of Lodz; University of Lodz; Polish Mother's Memorial Hospital – Research Institute, Lodz; Children's Memorial Health Institute, Warsaw; Jagiellonian University Medical College, Cracow; Wroclaw Medical University

Norway, Trondheim, University of Science and Technology, Department of Cancer Research and Molecular Medicine

United Kingdom, London, Royal Free and University College Medical School, Virology Department

Selected publications

- 2024 **Human papillomavirus infection of the fallopian tube as a potential risk factor for epithelial ovarian cancer** [\[link\]](#)
- 2017 **Cytomegalovirus DNA is highly prevalent in the blood of patients with asthma and is associated with age and asthma traits** [\[link\]](#)
- 2013 **Distribution of cytomegalovirus gN variants and associated clinical sequelae in infants** [\[link\]](#)

Research grants

Project Leader/Coordinator/Principal Investigator: 6 grants: EEA Financial Mechanism and the Norwegian Financial Mechanism, MNiSW, NCN, MNiI, KBN

Main Investigator: 4 grants: KBN, MNiSW

Co-Investigator: 6 grants: KBN, MNiSW, NCN, 7 RP-UE, POIG

Obtained patents

2 patents given by Polish Patent Office

International research stays

Denmark, Danish Cancer Institute, Aarhus

United Kingdom, Royal Free and University College Medical School, London