

Prof. dr Agnieszka Szalewska-Palasz

Department of Bacterial Molecular Genetics, University of Gdańsk, Poland

ACADEMIC AND RESEARCH CAREER

1993 MSc: University of Gdansk, Faculty of Biology, Geography and Oceanology, molecular biology

1998 PhD: University of Gdansk, Faculty of Biology, Geography and Oceanology, molecular biology

2008 Habilitation: University of Gdansk, Faculty of Biology, Geography and Oceanology, molecular biology

2016 Professor, biological sciences

PROFESSIONAL HISTORY

June 1998- July 2001 – postdoctoral fellowship - Visiting Fellow at National Institutes of Health, Bethesda, MD, USA
in Dr. Michael Cashel's laboratory

February 2002- April 2004- postdoctoral position in Department of Molecular Biology, Umea University, Sweden, in Dr.
Victoria Shingler's laboratory

April 2004 till present - permanent position at the University of Gdansk, Poland

from 01.2009 – associated professor, Head of Laboratory of Bacterial Molecular Biology

from 01.2018 – professor, Head of Department of Bacterial Molecular Genetics

SCIENTIFIC INTEREST

- the mechanism of gene expression regulation in prokaryotic organisms, transcription regulators, proteins interacting with RNA polymerase and affecting transcription,
- bacterial stress response using model strains (*Escherichia coli*, *Bacillus subtilis*, *Pseudomonas putida*) as well as environmental and pathogenic species,
- global mechanism of bacterial metabolism and energy adjustments – the stringent response
- the antimicrobial effects of isothiocyanates, plant-derived compounds, on pathogenic bacterial species
- the potential therapeutical use of natural compounds against pathogenic bacteria, including multidrug resistant strains