

## Curriculum Vitae

Personal information **Ewa Augustynowicz**

### Work experience

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1. Employer: National Institute of Public Health NIH - National Research Institute, Department of Epidemiology
  - Start date: 2018
  - End date: present
  - Position: Associate Professor
  - Activities: Vaccines, epidemiology of infectious disease. Studies evaluating the effectiveness and safety of vaccines used in humans, implementation of vaccination programs, promotion of immunization, analysis of hesitancy in vaccinations.
  - Country: Poland
2. Employer: National Institute of Public Health\_ National Institute of Hygiene, Department of Sera & Vaccine Evaluation
  - Start date: 2016
  - End date: 2018
  - Position: Head of Laboratory Vaccines, Associate Professor
  - Activities: Experience in the national control of vaccines, immunologicals and biologicals within lot release procedures fulfilling norms demanded by Polish Accreditation Centre and EDQM. The routine duties cover testing, releasing vaccines and other biopreparations; development, validation and application of methods suitable for measuring the vaccine quality.
  - Country: Poland
3. Employer: National Institute of Public Health\_ National Institute of Hygiene, Department of Sera & Vaccine Evaluation
  - Start date: 1998
  - End date: 2016
  - Position: Research Associate
  - Activities: Experience in the national control of vaccines, immunologicals and biologicals within lot release procedures fulfilling norms demanded by Polish Accreditation Centre and EDQM. The routine duties cover testing, releasing vaccines and other biopreparations; development, validation and application of methods suitable for measuring the vaccine quality.
  - Country: Poland
4. Employer: Department of Clinical Microbiology at the Memorial Children's Health Centre, Warsaw
  - Start date: 1993
  - End date: 1998
  - Position: Assistant
  - Activities:
  - Country: Poland
5. Employer: National Institute of Hygiene, Department of Bacteriology, Warsaw
  - Start date: 1989
  - End date: 1993
  - Position: technician
  - Activities:
  - Country: Poland

### Education and training

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1. Subject: postgraduate trainig in project management research and development, Higher School of Economics and Innovation in Lublin
  - Start date: 052011
  - End date: 052012
  - Qualification: upgrading course
  - Organisation:
  - Country: Poland
2. Subject: Department of Economy, University of Warsaw
  - Start date: 102000
  - End date: 062001
  - Qualification: postdoctoral training in health economy
  - Organisation:
  - Country: Poland
3. Subject: Military Institute of Hygiene and Epidemiology, Warsaw
  - Start date: 021996
  - End date: 031998
  - Qualification: PhD
  - Organisation:
  - Country: Poland

### Additional information

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#### Publications

1. Dzierżanowska D., Gzyl A., Roźniewski E., Augustynowicz E., Wojda U., Celińska-Cedro D., Sankowska M., Wadstrom T.: PCR for identification and typing of Helicobacter pylori isolated from children. *J Physiol Pharmacol* 1996; 47: 101–14. 2. Gzyl A., Augustynowicz E.: Technical aspects of random amplified polymorphic DNA (RAPD)

technique in genotyping of bacterial strains. *Acta Microbiol Pol* 1999; 48: 243\_59. 3. Gzyl A., Augustynowicz E., Dzierżanowska D., Rozynek E., Dura W., Celiska\_Cedro D., Berg D.E.: Genotypes of *Helicobacter pylori* in Polish population. *Acta Microbiol Pol* 1999; 48: 261\_75. 4. Augustynowicz E., Gzyl A., Dzierżanowska D.: Epidemiological studies of HCMV infection in children by restriction analysis of long PCR products. *Acta Microbiol Pol* 1999; 4: 341\_48. 5. Augustynowicz E., Gzyl A., Ślusarczyk J.: Molecular epidemiology survey of toxinogenic Clostridium perfringens strain types by multiplex PCR. *Scand J Infect Dis* 2000; 32: 637\_41. 6. Gzyl A., Augustynowicz E., van Loo I., Ślusarczyk J.: Temporal nucleotide changes in pertactin and pertussis toxin genes in *Bordetella pertussis* strains isolated from clinical cases in Poland. *Vaccine* 2002; 20: 299\_303. 7. Augustynowicz E., Gzyl A., Ślusarczyk J.: Detection of enterotoxigenic Clostridium perfringens with a duplex PCR. *J Med Microbiol* 2002; 51: 169\_72. 8. Hryniwiecki T., Gzyl A., Augustynowicz E., Rawyńska\_Engelrt I.: Development of broad\_range polymerase chain reaction (PCR) bacterial identification in diagnosis of endocarditis. *J Heart Valve Dis* 2002; 11: 870\_74. 9. Gzyl A., Augustynowicz E., Rabchenko D., Gniadek G., Ślusarczyk J.: Pertussis in Poland. *Int J Epidemiol* 2004; 33: 358\_65. 10. Gzyl A., Augustynowicz E., Gniadek G., Dulny G., Rabchenko D., Ślusarczyk J.: Sequence variation in pertussis S1 subunit toxin and pertussis genes in *Bordetella pertussis* strains used for the whole\_cell pertussis vaccine produced in Poland since 1960. Efficiency of the DTwP vaccine induced immunity against currently circulating B. pertussis isolates. *Vaccine* 2004; 22: 2122\_2128. 11. Augustynowicz E., Gzyl A., Szenborn L., Banyś D., Gniadek G., Ślusarczyk J.: Comparison of usefulness of random amplified polymorphic DNA (RAPD) and amplified fragment length polymorphism (AFLP) in epidemiological studies on the nasopharyngeal carriage of nontypeable *Haemophilus influenzae*. *J Med Microbiol* 2003; 52: 1005\_14. 12. Mędrala D., Dąbrowski W., Czekajło\_Kołodziej U., Daczkowska\_Kozon E., Koroniewicz A., Augustynowicz E., Manzano M.: The possible effect of a sanitization program on intraspecies differentiation of *Listeria monocytogenes* strains isolated from a fish processing plant. *Int J Hyg Environ Health* 2003; 206: 583\_90. 13. Mędrala D., Dąbrowski W., Czekajło\_Kołodziej U., Daczkowska\_Kozon E., Koroniewicz A., Augustynowicz E., Manzano M.: Persistence of *Listeria monocytogenes* strains isolated from products in a polish fish\_processing plant over a 1 year period. *Food Microbiology* 2003; 20: 715\_24. 14. Gzyl A., Gniadek G., Augustynowicz E., Rabchenko D., Husejnow B., Zawadka M., Ślusarczyk J.: Increase in the incidence of pertussis and quality of whole\_cell pertussis component of the DTP vaccine produced in Poland. Part I. Potency of DTP vaccine. *Przegl Epidemiol* 2004; 58: 629\_39. 15. Gzyl A., Gniadek G., Augustynowicz E., Rabchenko D., Husejnow B., Zawadka M., Ślusarczyk J.: Increase in the incidence of pertussis and quality of whole\_cell pertussis component of the DTP vaccine produced in Poland. Part II. Consistency of control and production. *Przegl Epidemiol* 2004; 58: 641\_48. 16. Gzyl A., Augustynowicz E., Gniadek G., Ślusarczyk J.: Potency of pertussis component in the DTP vaccine—an overview of three\_decade study in Poland. *Biologics* 2004; 32: 129\_37 17. Gzyl A., Augustynowicz E., Mosiej E., Zawadka M., Gniadek G., Nowaczek A., Ślusarczyk J.: Amplified fragment length polymorphism (AFLP) versus random amplified polymorphic DNA (RAPD) as a new tools for inter\_ and intra\_species differentiation within *Bordetella*. *J Med Microbiol* 2005; 54: 333\_46. 18. Augustynowicz E., Szenborn L., Banyś D., Nowaczek A., Gzyl A., Ślusarczyk J.: Diagnostic difficulties in identification of *Haemophilus influenzae* colonising the nasopharynx of children. *Med Dośw Mikrobiol* 2005; 57: 29\_37. 19. Mosiej E., Gzyl A., Ślusarczyk J.: Genetic diversity analysis of isolates belonging to *Bordetella pertussis*, *Bordetella parapertussis* and *Bordetella bronchiseptica* species. *Med Dośw Mikrobiol* 2006; 58: 143\_53. 20. Augustynowicz E., Szenborn L., Samet A., Banyś D., Śledzińska A., Gzyl A., Rybak B., Nowaczek A., Ślusarczyk J.: Study on genetic diversity of genes encoding main adhesins among nontypeable *Haemophilus influenzae* strains isolated from children in Poland. *Med Dośw Mikrobiol* 2006; 58: 291\_301. 21. Gzyl A., Augustynowicz E., Zawadka M., Rabchenko D., Ślusarczyk J.: Evaluation of whole\_cell and acellular pertussis vaccines effectiveness in clearance of experimental B. pertussis infection in mice. *Med Dośw Mikrobiol* 2007; 59: 123\_35. 22. Gzyl A., Augustynowicz E., Zawadka M., Rabchenko D., Ślusarczyk J.: Analysis of chosen parameters of immuno response in mice immunized with whole\_cell or acellular pertussis vaccines and challenged with B. pertussis strains harbouring different ptxS1/prn allele genes combinations. *Med Dośw Mikrobiol* 2007; 59: 137\_47. 23. Gzyl A., Wojciechowska\_Oczko M., Jarząb B., Augustynowicz E., Mosiej E., Ślusarczyk J.: Application of DNA microcarriers for evaluation of mice splenocytes genes expression after immunization with pertussis vaccines and challenged with different B. pertussis strains. *Med Dośw Mikrobiol* 2007; 59: 149\_59. 24. Augustynowicz E., Szenborn L., Samet A., Śledzińska A., Gzyl A., Kielan A., Ślusarczyk J.: Study of genetic diversity of nontypeable *Haemophilus influenzae* strains isolated from healthy children and patients with infection symptoms. *Med Dośw Mikrobiol* 2007; 58: 113\_22. 25. Augustynowicz E., Szenborn L., Gzyl A., Ślusarczyk J.: Occurrence of potentially invasive nontypeable *Haemophilus influenzae* strains isolating from children attending day care centres and orphanages. *Med Dośw Mikrobiol* 2007; 58: 103\_12. 26. Rogalska J., Augustynowicz E., Gzyl A., Stefanoff P.: Sources of information and knowledge on childhood immunisations among Polish parents. *Przegl Epidemiol* 2010; 64: 83\_90. 27. Rogalska J., Augustynowicz E., Gzyl A., Stefanoff P.: Parental attitudes towards childhood immunisations in Poland. *Przegl Epidemiol* 2010; 64: 91\_97. 28. Nowicki M., Kaba J., Mosiej E., Lutyńska A., Augustynowicz E., Rzewuska M., Binek M., Szalas\_Jardanow O., Stefaniśka I., Frymus T.: Fingerprinting of *Corynebacterium pseudotuberculosis* strains using Random Amplified Polymorphic DNA (RAPD) and Amplified Fragment Length Polymorphism (AFLP) techniques. *Bull Vet Inst Pulawy* 2011, 55, 403\_409. 29. Mosiej E., Augustynowicz E., Zawadka M., Dąbrowski W., Lutyńska A.: Strain variation among *Bordetella pertussis* isolates circulating in Poland, after 50 years of whole\_cell pertussis vaccine use. *J Clin Microbiol*. 2011; 4:1452\_7 30. Zawadka M., Polak M., Rabchenko D., Mosiej E., Augustynowicz E., Lutyńska A.: Effectiveness of the whole\_cell pertussis vaccine produced in Poland against different *Bordetella parapertussis* isolates in the mouse intranasal challenge model. *Vaccine*. 2011;29:5488\_94. 31. Krysztapa\_Grzybowska K., Brzezińska S., Augustynowicz\_Kopeć E., Zwolska Z., Augustynowicz E., Lutyńska A.: The capacity of *Mycobacterium* complex species and *M. bovis* BCG substrains specific identification implications for optimized PCR\_based diagnostics in adverse events following vaccination suspected cases. *Pol J Microbiol* 2012, 61, 299\_303. 32. Krysztapa\_Grzybowska K., Brzezińska S., Augustynowicz\_Kopeć E., Polak M., Augustynowicz E., Lutyńska A.: Descendant of daughter Brazilian BCG Moreau substrain in Poland. *Vaccine* 2012, 30, 5512\_18. 33. Lutyńska A., Mosiej E., Zawadka M., Polak M., Augustynowicz E.: The study of genetic variation of *Bordetella pertussis* strains in the aspect of whooping cough increase rate. *Probl Hig Epidemiol* 2012, 93, 599\_604. 34. Augustynowicz E., Lutyńska A.: Detection of the adventitious agents in the evaluation of vaccine safety. *Przegl Epidemiol* 2012, 66, 643\_649. 35. Lutyńska A., Augustynowicz E., Wiatrzyk A.: problems with use of dietary supplements containing probiotics. *Probl Hig Epidemiol* 2012, 93, 493\_98. 36. Augustynowicz E., Zawadka M., Wiatrzyk A., Rabchenko D., Lutyńska A.: The studies of elimination of nontypeable *Haemophilus influenzae* strains using the animal model of infection. *Med Dosw Mikrobiol*. 2013, 65, 1\_10. 37. Polak M., Zawadka M., Mosiej E., Rabchenko D., Augustynowicz E., Lutyńska A.: Effectiveness of experimental whole\_cell pertussis vaccines in murine model. *Med Dosw Mikrobiol*. 2014; 66: 79\_87. 38. Zawadka M., Mosiej E., Polak M., Krysztapa\_Grzybowska K., Moskał B., Rokosz N., Rabchenko D., Augustynowicz E., Lutyńska A.: Consistency of *Bordetella pertussis* vaccine seed strains and potency of whole\_cell pertussis vaccine still in use in Poland. *Biologics*. 2014; 42:123\_127. 39. Mosiej E., Zawadka M., Krysztapa\_Grzybowska K., Polak M., Augustynowicz E., Piekarska K., Lutyńska A.: Sequence variation in virulence\_related genes of *Bordetella pertussis* isolates from Poland in the period 1959\_2013. *Eur J Clin Microbiol Infect Dis*.2015;34:147\_52. 40. Polak M., Zawadka M., Mosiej E., Rabchenko D., Augustynowicz E., Guiso N., Lutyńska A.: Colonization of *Bordetella pertussis* Clinical Isolates that Differ by Pulsed Field Gel Electrophoresis Types in the Lungs of Naïve Mice or Mice Immunized with the Whole\_Cell Pertussis Vaccine Used in Poland. *Arch Immunol Ther Exp (Warsz)*. 2015, 63, 155\_60. 41. Vaccinomics and adversemics as new trends in vaccinology. *Postepy Hig Med Dosw* 2017; 71 : 1240\_1253; DOI: 10.5604/01.3001.0010.7616. 42. Augustynowicz E., Lutyńska A., Piotrowska A., Paradowska\_Stankiewicz I.: The safety and effectiveness of vaccination against influenza and pertussis in pregnant women. *Epidemiological Review*, 2017, 71(1), 55\_67. 43. Stefanoff P., Sobierajski T., Bulinska\_Stangrecka T., Augustynowicz E.: Exploring factors improving support for vaccinations among Polish primary care physicians. *PLOS ONE*, 2020, 1 May. 44. Tkaczyszyn K., Kuchar E., Augustynowicz E., Szenborn L.: The impact of a single educational lecture on the vaccine confidence among pregnant women and young mothers. *Vaccines* 2021, 9, 290. 45. Sobierajski T., Bulinska\_Stangrecka H., Wanke\_Rytt M., Stefanoff P., Augustynowicz E.: Behavioural and Cognitive Attitudes of Pediatricians towards Influenza Self\_Vaccination\_Partial Medication Model. *Vaccines* 2022, 10, 1206. 46. Bernatowska E., Pac M., Heropolitanska\_Pliszka E., Pietrucha B., Dabrowska\_Leonik N., Skomska Pawliszak M., Bernat\_Sitarz K., Krysztapa\_Grzybowska K., Wolska\_Kusnierz B., Bohynkova N., Augustynowicz E., Augustynowicz\_Kopeć E., Korzeniewska\_Kosela M., Wieteska\_Klimczak A., Ksiazek J., Jackowska T., van der Burg M., Laurent Casanova J., Picard C., Mikoluc B.: BCG Moreau Polish Substrain Infections in Patients with Inborn Errors of Immunity\_Forty Years of

Experience in Warsaw, Poland. *Frontiers in Pediatrics* 2022, 10, 839111. 47. Sobierajski T., Małecka I., Augustynowicz E. Feminized vaccine? Parents' attitudes toward HPV vaccination of adolescents in Poland: A representative study. *Hum Vaccin Immunother.* 2023 Dec 31;19(1):2186105. doi: 10.1080/21645515.2023.2186105. Epub 2023 Mar 22. 48. Czech M., Augustynowicz E., Byliniak M., Jackowska T., Konstanty M., Kuchar E., Mastalerz-Migas A., Niewada M., Nitsch-Osuch A., Paradowska-Stankiewicz I., Pinkas J., Szulc J., Wysocki J. Improving Vaccine Assessment Pathways and Decision Making in the Polish Immunization Program. *Vaccines (Basel)*. 2024 Mar 9;12(3):286. 49. Kuchar E., Augustynowicz E., Flisiak R., Jackowska T., Mastalerz-Migas A., Nitsch-Osuch A., Pancer K., Szenborn L., Wysocki J., Zajkowska J. The changing epidemiology of tick-borne encephalitis: epidemic surveillance and disease prevention challenges. *Med Pr.* 2024 Dec 16:195182.

**Projects** PartnERship to Contrast HPV (project acronym: PERCH) No: 101075314 – EU4H-2021-JA-IBA. EU4Health programme 2021-2027. Period: 01/11/2022-30/04/2025. Senior expert.

**Memberships**  
Member of the Committee for Veterinary Medicinal Products (CVMP) (2010- 2015)  
Alternate of the Committee for Veterinary Medicinal Products (CVMP) (2016-2024)

**Member of Polish Pharmacopoeia Commission for Biological Substances (since 2005)**

**Editor of the website dedicated to vaccinations at the National Institute of Public Health NIH - National Research Institute (since 2017)**

**Member of the Board of the Polish Society of Vaccinology (since 2018)**

**Head of the National Immunization Technical Advisory Group (NITAG) (since 2019)**

**Other Relevant Information**