

Dr hab. Magdalena Rzewuska

CURRICULUM VITAE

Name: Magdalena Rzewuska
Present Position: Associate Professor
Address: Department of Preclinical Sciences, Institute of Veterinary
Medicine, Warsaw University of Life Sciences (WULS),
Ciszewskiego 8 St., 02-786 Warszawa, Poland
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Academic appointments:

2019 Associate Professor, Department of Preclinical Sciences, Institute of Veterinary
Medicine, WULS, Poland
2017 Head of the Microbiological Diagnostic Laboratory, Department of
Preclinical Sciences, Institute of Veterinary Medicine, WULS
2000-2019 Assistant Professor, Division of Microbiology, Department of Preclinical
Sciences, Faculty of Veterinary Medicine, WULS, Poland
1990-1999 Assistant, Faculty of Veterinary Medicine, WULS, Poland

Academic degrees:

2017 Habilitation in Veterinary Sciences (WULS)
1999 PhD in Veterinary Sciences, the Faculty of Veterinary
Medicine, Warsaw University of Life Sciences, Poland
1990 MSc degree in Biology (specialization – microbiology), the Faculty of Biology,
University of Warsaw, Warsaw, Poland

Professional experience:

Dr hab. Magdalena Rzewuska has wide experience in the field of research and teaching of veterinary microbiology, and in microbiological diagnostics. Generally, her scientific interests are focused on diagnostics of bacterial infections in animals and the pathogenicity of various bacterial species. Her major research topics are the virulence of microorganisms and their antimicrobial resistance, also pathogenesis and epidemiology of bacterial infectious diseases. The main directions of her studies are: 1) characterization of pathogens causing purulent infections in ruminants 2) characterization of *Trueperella pyogenes*, *Rhodococcus equi* and *Corynebacterium pseudotuberculosis* strains of various origin; 3) phenotypic and genotypic research on the antimicrobial susceptibility and virulence of animal pathogens. Currently, her research effort is also directed at antimicrobial activity of various substances and composite materials, their influence upon microorganisms in planktonic and biofilm forms, as well as their biocidal effectiveness. She participated in 17 grants and projects (national and

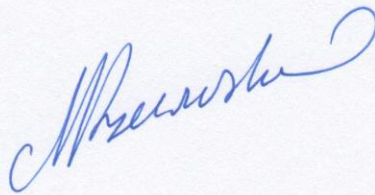
international). Her achievements to date cover 90 publications and 117 reports presented during international and domestic scientific conferences, as well as 25 works in monographic publications and 10 chapters in textbooks. She supervised 17 graduate works (Master's and bachelor's degree theses), and she was a doctoral supervisor of one PhD thesis. As a reviewer she cooperates with many international journals. She is an active member of the Polish Society of Microbiologists, the American Society for Microbiology, The European Society of Clinical Microbiology and Infectious Diseases, and the Polish Society of Veterinary Sciences. She is a member of the Commission for Biocidal Products of the Office for Registration of Medicinal Products, Medical Devices and Biocidal Products in Poland.

List of relevant publications of last 10 years:

1. Kwiecień E., Stefańska I., Chrobak-Chmiel D., Sałamaszyńska-Guz A., Rzewuska M. 2020. New Determinants of Aminoglycoside Resistance and Their Association with the Class 1 Integron Gene Cassettes in *Trueperella pyogenes*. *Int. J. Mol. Sci.* 2020; 21(12): E4230. doi:10.3390/ijms21124230. JCR, IF (2019): 4.556, pkt (2019): 140
2. Didkowska A., Żmuda P., Kwiecień E., Rzewuska M., Klich D., Krajewska-Wędzina M., Witkowski L., Żychska M., Kaczmarkowska A., Orłowska B., Anusz K. 2020. Microbiological assessment of sheep lymph nodes with lymphadenitis found during post-mortem examination of slaughtered sheep: implications for veterinary-sanitary meat control. *Acta Vet. Scand.* 2020 Sep 4;62(1):48. doi: 10.1186/s13028-020-00547-x.
3. Kizerwetter-Świda M., Chrobak-Chmiel D., Rzewuska M. 2019 High-level mupirocin resistance in methicillin-resistant staphylococci isolated from dogs and cats. *BMC Vet. Res.* 2019, 15:238.
4. Rzewuska M., Kwiecień E., Chrobak-Chmiel D., Kizerwetter-Świda M., Stefańska I., Gieryńska M. 2019. Pathogenicity and Virulence of *Trueperella pyogenes*: A Review. *Int. J. Mol. Sci.* 2019, 20(11).
5. Moyaert H., de Jong A., Simjee S., Rose M., Youala M., Garch F.E., Vila T., Klein U., Rzewuska M., Morrissey I. 2019. Survey of antimicrobial susceptibility of bacterial pathogens isolated from dogs and cats with respiratory tract infections in Europe: ComPath results. *Journal of Applied Microbiology* 2019, 127(1), 29-46.
6. Kizerwetter-Świda M., Chrobak-Chmiel D., Rzewuska M., Binek M. 2017. Changes in the population structure of canine methicillin-resistant *Staphylococcus pseudintermedius* in Poland. *Veterinary Microbiology* 2017, 208, 106-109.
7. Kościuczuk E.M., Lisowski P., Jarczak J., Majewska A., Rzewuska M., Zwierzchowski L., Bagnicka E. 2017. Transcriptome profiling of Staphylococci-infected cow mammary gland parenchyma. *BMC Vet. Res.* 2017 Jun 6;13(1):161.
8. Witkowski L., Orłowska B., Rzewuska M., Czopowicz M., Welz M., Anusz K., Kita J. 2017. Evidence of low prevalence of mycobacterial lymphadenitis in wild boars (*Sus scrofa*) in Poland. *Acta Veterinaria Scandinavica* 2017 Jan 25;59(1):9.
9. Kizerwetter-Świda M., Chrobak-Chmiel D., Rzewuska M., Binek M. 2016. Resistance of canine methicillin-resistant *Staphylococcus pseudintermedius* strains to pradofloxacin. *J. Vet. Diagn. Invest.* 28(5), 514-518.

10. Szaluś-Jordanow O., Augustynowicz-Kopec E., Czopowicz M., Olkowski A., Łobaczewski A., Rzewuska M., Sapierzyński R., Wiatr E., Garncarz M., Frymus T. 2016. Intracardiac tuberculomas caused by *Mycobacterium tuberculosis* in a dog. BMC Veterinary Research 2016, 12:109.
11. Witkowski L., Rzewuska M., Takai S., Kizerwetter-Świda M., Kita J. 2016. Molecular epidemiology of *Rhodococcus equi* in slaughtered swine, cattle and horses in Poland. BMC Microbiology 2016, 16:98.
12. Rzewuska M., Czopowicz M., Gawryś M., Markowska-Daniel I., Bielecki W. 2016. Relationships between antimicrobial resistance, distribution of virulence factor genes and the origin of *Trueperella pyogenes* isolated from domestic animals and European bison (*Bison bonasus*). Microbial Pathogenesis 2016, 96, 35-41.
13. Stefańska I., Witkowski L., Rzewuska M., Dzieciatkowski T. 2016. Development and evaluation of the internal-controlled real-time PCR assay for *Rhodococcus equi* detection in various clinical specimens. Journal of Veterinary Medical Science 78(4), 543-549.
14. Rzewuska M., Stefańska I., Kizerwetter-Świda M., Chrobak-Chmiel D., Szczygielska P., Leśniak M., Binek M. 2015. Characterization of extended-spectrum- β -lactamases produced by *Escherichia coli* strains isolated from dogs in Poland. Polish Journal of Microbiology 2015, Vol 64, No 3, 285-288.
15. Witkowski L., Rzewuska M., Cisek A.A., Chrobak-Chmiel D., Kizerwetter-Świda M., Czopowicz M., Welz M., Kita J. 2015. Prevalence and genetic diversity of *Rhodococcus equi* in wild boars (*Sus scrofa*), roe deer (*Capreolus capreolus*) and red deer (*Cervus elaphus*) in Poland. BMC Microbiology 2015, 15:110.
16. Rzewuska M., Czopowicz M., Kizerwetter-Świda M., Chrobak D., Błaszczak B., Binek M. 2015. Multidrug resistance in *Escherichia coli* strains isolated from infections in dogs and cats in Poland (2007 – 2013). The Scientific World Journal vol. 2015, article ID 408205, 8 pages.
17. Domagalik-Pyzik P., Morawska-Chochół A., Rzewuska M., Szaraniec B., Chłopek J. 2015. Antibacterial activity study of poly(L-lactide) composites for novel biodegradable intramedullary nails. Engineering of Biomaterials (Inżynieria Biomateriałów) 2015, 133, pp. 7-13.
18. Morawska-Chochół A., Domalik-Pyzik P., Chłopek J., Szaraniec B., Sterna J., Rzewuska M., Boguń M., Kucharski R., Mielczarek P. 2014. Gentamicin release from biodegradable poly-L-lactide based composites for novel intramedullary nails. Materials Science and Engineering C 2014, 45, 15-20.
19. Rzewuska M., Witkowski L., Cisek A.A., Stefańska I., Chrobak D., Stefaniuk E., Kizerwetter-Świda M., Takai S. 2014. Characterization of *Rhodococcus equi* isolates from submaxillary lymph nodes of wild boars (*Sus scrofa*), red deer (*Cervus elaphus*) and roe deer (*Capreolus capreolus*). Veterinary Microbiology 2014, 172, 272-278.
20. Cisek A.A., Rzewuska M., Witkowski L., Binek M. 2014. Antimicrobial resistance in *Rhodococcus equi*. Acta Biochimica Polonica 61(4), 633-638.
21. Rzewuska M., Stefańska I., Osińska B., Kizerwetter-Świda M., Chrobak D., Kaba J., Bielecki W. 2012. Phenotypic characteristics and virulence genotypes of *Trueperella (Arcanobacterium) pyogenes* strains isolated from European bison (*Bison bonasus*). Veterinary Microbiology 2012, 160, 69-76.
22. Chrobak D., Kizerwetter-Świda M., Rzewuska M., Moodley A., Guardabassi L., Binek M. 2011. Molecular characterization of *Staphylococcus pseudintermedius* strains isolated from clinical samples of animal origin. Folia Microbiol. (Praha). 2011, 56, 415-422.
23. Chrobak D., Kizerwetter-Świda M., Rzewuska M., Binek M. 2011 Antibiotic resistance of canine *Staphylococcus intermedius* group (SIG) - Practical implications. Polish Journal of Veterinary Sciences Vol. 14, No. 2, 213-218.

24. Bagnicka E., Winnicka A., Józwiak A., Rzewuska M., Strzałkowska N., Kościuczuk E., Prusak B., Kaba J., Horbańczuk J.O., Krzyżewski J. 2011. Relationship between somatic cell count and bacterial pathogens in goat milk. *Small Ruminant Research* 100, 72-77.
25. Szaluś-Jordanow O., Kaba J., Czopowicz M., Witkowski L., Nowicki M., Nowicka D., Stefańska I., Rzewuska M., Sobczak-Filipiak M., Binek M., Frymus T. 2010. Epidemiological features of Morel's disease in goats. *Polish Journal of Veterinary Sciences* Vol. 13, No. 3, 437-445.
26. Stefańska I., Gieryńska M., Rzewuska M., Binek M. 2010. Survival of *Corynebacterium pseudotuberculosis* within macrophages and induction of phagocytes death. *Polish Journal of Veterinary Sciences* Vol. 13, No. 1, 143-149.



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