



## Curriculum Vitae

### Personal information

Maria Teresa Herdeiro

### Work experience

- Employer: iBiMED \_ University of Aveiro
  - Start date: 012015
  - End date:
  - Position: Principal investigator /Professor
  - Activities: Research in several projects.
  - Country: Portugal
- Employer: Instituto Politécnico de Saúde do Norte\_CESPU
  - Start date: 012011
  - End date: 092017
  - Position: Academic Council Member
  - Activities:
  - Country: Portugal
- Employer: Instituto Politécnico de Saúde do Norte – Escola Superior de Saúde do Vale do Ave\_CESPU
  - Start date: 112009
  - End date: 092017
  - Position: Coordinator of Health Management Quality Master
  - Activities:
  - Country: Portugal
- Employer: University of Aveiro
  - Start date: 092006
  - End date: 092017
  - Position: Invited Assistant Professor
  - Activities: Teaching Pharmaceutical Development, Pharmacology and Therapeutics, Pharmacoeconomics in Biomedical Sciences degree
  - Country: Portugal
- Employer: Instituto Politécnico de Saúde do Norte – Escola Superior de Saúde do Vale do Ave
  - Start date: 092006
  - End date: 122015
  - Position: Coordinator Professor
  - Activities:
  - Country: Portugal
- Employer: Northern Pharmacovigilance Centre
  - Start date: 032010
  - End date: 122016
  - Position: Scientific Consultant
  - Activities:
  - Country: Portugal
- Employer: Instituto Politécnico de Saúde do Norte
  - Start date: 012016
  - End date: 092018
  - Position: Adjunct Principal Professor
  - Activities: Between September 2017 to September 2018, with unpaid leave.
  - Country: Portugal
- Employer: Medical Science Department, University of Aveiro
  - Start date: 092017
  - End date:
  - Position: Assistant Professor
  - Activities: Teaching Pharmaceutical Development, Pharmacology and Therapeutics, Pharmacoeconomics, Epidemiology and Public Health
  - Country: Portugal

### Education and training

- Subject: Pharmacist Association
  - Start date: 102002
  - End date:
  - Qualification: na
  - Organisation: Regulatory Affairs Specialist, nr. 0058
  - Country: Portugal
- Subject: University of Coimbra
  - Start date: 092010
  - End date: 062011
  - Qualification: Excellent in the thesis.
  - Organisation: Pharmaceutical Science Master
  - Country: Portugal
- Subject: University of Santiago de Compostela
  - Start date: 102007

- End date: 092012
  - Qualification: n/a
  - Organisation: Pos\_doc activities; fellowship (SFRH/BPD/35746/2007).
  - Country: Spain
4. Subject: University of Santiago de Compostela
- Start date: 012002
  - End date: 022006
  - Qualification: Sobresaliente Cum Laude
  - Organisation: Doctorate in Pharmacoepidemiology and Public Health Project: "Improving Adverse Drug Reaction Reporting in Portuguese"
  - Country: Spain
5. Subject: University de Santiago de Compostela
- Start date: 092000
  - End date: 122001
  - Qualification: Suficiência Investigadora
  - Organisation: Advanced Studies in Public Health and Preventive Medicine (Doctoral Programme)
  - Country: Spain
6. Subject: University Católica Portuguesa
- Start date: 101992
  - End date: 012001
  - Qualification: Aprovado por Unanimidade
  - Organisation: Master in Food Science and Engineering
  - Country: Portugal
7. Subject: University of Coimbra
- Start date: 091986
  - End date: 061992
  - Qualification: 15/20
  - Organisation: Pharmaceutical Sciences Degree
  - Country: Portugal

## Additional information

### Publications

Herdeiro MT (ORCID0000-0002-0500-4049) ou AU-ID(8843360000) Book / Book chapter New Insights into the Future of Pharmacoepidemiology and Drug Safety. Figueras Guzmán, M.a T. Ferreira Herdeiro J. J. Gestal Otero. Capítulo 83, Piédrola Gil, 12.a edición, 2015. "Improving antibiotic use through educational interventions: science, technology and education. Microbial Book Series \_ 2013 Edition. Farmacovigilância em Hospitais – Farmacovigilância em Espanha e em Medicamentos para a Segurança do Paciente; Editora Yendis, Brasil, 2011. [http://www.yendis.com.br/wp\\_content/uploads/farmacovigilancia](http://www.yendis.com.br/wp_content/uploads/farmacovigilancia). Papers in international journals. Perpetuo C, Plácido AI, Rodrigues D, Aperta J, Piñeiro\_Lamas M, Figueras A, et al. Prescription Of Potentially Inappropriate Medication In Older Inpatients Of An Intensive Care Unit. *Journal of Clinical Pharmacy and Therapeutics*, 2019; 44(1):127-136. doi: 10.1111/j.1365-2796.2018.02111.x. Lopes A, Roque F, Morgado S, Dinis C, Herdeiro MT, Morgado M. Behavioral Sciences in the Optimization of Pharmacological and Non-Pharmacological Prescription of anxiolytics, sedatives, hypnotics and antidepressants in outpatient, universal care during the COVID-19 pandemic in Portugal: a nationwide, interventional study. *Journal of Clinical Pharmacy and Therapeutics*, 2021; 46(1):127-136. doi: 10.1111/j.1365-2796.2020.02111.x. Estrela, M.; Gomes, E.R.; Piñeiro\_Lamas, M.; Figueras, A.; Roque, F.; Herdeiro, M.T. The Impact of the COVID-19 Pandemic on Antibiotic Prescribing Trends in a Tertiary Care Hospital. *Journal of Clinical Pharmacy and Therapeutics*, 2021; 46(1):127-136. doi: 10.1111/j.1365-2796.2020.02111.x. Estrela, M., Roque, F., Silva, T. M., Zapata\_Cachafeiro, M., Figueras, A., & Herdeiro, M. T. (2021). Validation Of The Ehealthresp Online Course For Pharmacists. *Journal of Clinical Pharmacy and Therapeutics*, 46(1):127-136. doi: 10.1111/j.1365-2796.2020.02111.x. Rodrigues, D. A., Herdeiro, M. T., Thümann, P. A., Figueras, A., Coutinho, P., & Roque, F. (2021). Operacionalização para Portugal da Lista EU(7)\_PIM para Identificação de Medicamentos Potencialmente Inapropriados. *Journal of Clinical Pharmacy and Therapeutics*, 46(1):127-136. doi: 10.1111/j.1365-2796.2020.02111.x. <https://doi.org/10.20344/amp.13618> Magalhães, C., Ribeiro, M. F., Esteves, M. R., Aires, L., Lima, S., Silva, G., Nogueira, A., Herdeiro, T., & Pedras, S. (2021). A Mobile App to Support Clinical Diagnosis of Upper Respiratory Tract Infections. *Journal of Clinical Pharmacy and Therapeutics*, 46(1):127-136. doi: 10.1111/j.1365-2796.2020.02111.x. <http://www.jmir.org/2021/1/e19194/> Nogueira\_Uzal, N., Zapata\_Cachafeiro, M., Vázquez\_Cancela, O. et al. Does The Problem Begin At The Beginning? Medical Adverse Drug Reactions in Adolescents: a review of reports. *Journal of Clinical Pharmacy and Therapeutics*, 46(1):127-136. doi: 10.1111/j.1365-2796.2020.02111.x. <https://doi.org/10.1186/S12889-021-10355-1> Moura J, Almeida AMP, Roque F, Figueras A, Herdeiro MT. A Mobile App to Support Clinical Diagnosis of Upper Respiratory Tract Infections. *Journal of Clinical Pharmacy and Therapeutics*, 2021; 46(1):127-136. doi: 10.1111/j.1365-2796.2020.02111.x. <https://www.ncbi.nlm.nih.gov/pubmed/32147147>. 10.1016/j.clinthera.2020.02.005 Gomes D, Plácido AI, Mór R, Simões JL, Amaral O, Fernandes I, Lima F, Morgado M, Herdeiro MT. Adverse drug reactions in adolescents: a review of reports. *Journal of Clinical Pharmacy and Therapeutics*, 2021; 46(1):127-136. doi: 10.1111/j.1365-2796.2020.02111.x. <https://europepmc.org/articles/PMC6981635>. 10.3390/jerph17010200 T. antibiotic-prescribing behaviour in primary care: a controlled, interrupted time-series study. *Journal of Clinical Pharmacy and Therapeutics*, 2019; 44(1):127-136. doi: 10.1111/j.1365-2796.2018.02111.x. Jesus; Takkouche, Bahi; Herdeiro, Maria Teresa; Figueras, Adolfo. "Computerized Clinical Decision Support Systems and Antibiotic Prescribing: A Systematic Review". *Journal of Clinical Pharmacy and Therapeutics*, 2019; 44(1):127-136. doi: 10.1111/j.1365-2796.2018.02111.x. 10.1016/j.clinthera.2019.01.018 Varallo, Fabiana Rossi; Forgerini, Marcela; Herdeiro, Maria Teresa; de Carvalho Mastroianni, Patrícia. "Harmonization of Pharmacovigilance Systems: A Systematic Review". *Journal of Clinical Pharmacy and Therapeutics*, 2019; 44(1):127-136. doi: 10.1111/j.1365-2796.2018.02111.x. <http://dx.doi.org/10.1016/j.clinthera.2019.01.013>. 10.1016/j.clinthera.2019.01.013 Prada\_Ramallal, Guillermo; Roque, Fatima; Herdeiro, Maria Teresa; Takkouche, Adolfo. "Effects of a survey of major medical journals". *BMC Medical Research Methodology* 18 1 (2018): <http://dx.doi.org/10.1186/s12874-018-0561-3>. 10.1186/s12874-018-0561-3. 10.1186/s12874-018-0561-3. 10.1186/s12874-018-0561-3. adverse drug reactions reported by an immunology department". *Pharmacy Practice* 16 1 (2018): 1070-1070. <https://doi.org/10.18549/PharmPract.2018.16.1.1070>. P. "Confounding Variables and the Performance of Triggers in Detecting Unreported Adverse Drug Reactions.". *Clinical therapeutics* (2017): <http://europepmc.org/abstract/med/28166274>. 10.1371/journal.pone.0171470 Teixeira Rodrigues M, Herdeiro MT, Soares S, Roque F, & Figueras A. (2016). Impact of rosiglitazone safety alerts on oral antidiabetic drug use: a 3 year cohort study in Portugal. *Curr Med Res Opin*, 32(5), 949-957. doi: 10.1185/03007995.2016.1154520. López\_Vázquez, P., Vázquez\_Lago, J., & Herdeiro, M.T. (2016). Knowledge and attitudes regarding antibiotics and resistance (KAAR-11) questionnaire for primary care physicians. *J Antimicrob Chemother*, 71(10), 2972-2979. doi: 10.1093/ajph/2016.10.2972. prescribing behaviour: a systematic review of qualitative studies. *International Journal of Antimicrobial Agents*, 41(3), 203-212. doi: 10.1016/j.ijantimicag.2012.12.012. through a joint intervention targeting physicians and pharmacists. *Future Microbiol*, 11, 877-886. doi: 10.2217/fmb.2016.0010. Herdeiro, M. T., Bastos, P. D., & Figueras, A. (2016). Impact of rosiglitazone safety alerts on oral antidiabetic drug use: a 3 year cohort study in Portugal. *Curr Med Res Opin*, 32(5), 949-957. doi: 10.1185/03007995.2016.1154520. MT, Ribeiro\_Vaz I, Clérigo MI, Rocha C, Araújo A, Pêgo A, Rebelo Gomes E. Adverse drug reactions in children: a ten-year review of reporting to the Portuguese National Pharmacovigilance System. *Journal of Clinical Pharmacy and Therapeutics*, 2016; 41(1):127-136. doi: 10.1111/j.1365-2796.2015.02111.x. Gonzalez\_Gonzalez C, López\_Vázquez P, Vázquez\_Lago JM, Piñeiro\_Lamas M, Herdeiro MT, Arzamendi PC, Figueras A; GREPHEPI Group. Effect of Physicians' Attitudes on Reporting of Adverse Drug Reactions. *Journal of Clinical Pharmacy and Therapeutics*, 2016; 41(1):127-136. doi: 10.1111/j.1365-2796.2015.02111.x. 10.1371/journal.pone.0141820. eCollection 2015. Mendes Marques JJ, Polónia JM, Figueras AG, Costa Santos CM, Herdeiro MT. Nurses' attitudes and spontaneous reporting of adverse drug reactions: an observational study in Portugal. *Clin Ther*. 2015 Sep;37(9):2122-8. doi: 10.1016/j.clinthera.2015.07.171. of an educational intervention to improve adverse drug reaction reporting in physicians: a cluster randomized controlled trial. *Drug Saf*. 2015 Feb;38(2):189-96. doi: 10.1186/1471-2458-14-1276. to improve prescription and dispensing of antibiotics: a systematic review. *BMC Public Health*. 2014 Dec 15;14:1276. doi: 10.1186/1471-2458-14-1276. Review A Cross-Sectional Study in Portugal. *Clin Ther*. 2014 Dec 4. pii: S0149-2918(14)00742-5. doi: 10.1016/j.clinthera.2014.11.006. Magalhães J, Rodrigues AT, Rodrigues M, Herdeiro MT, Teixeira Rodrigues A, Ferreira M, da Cruz e Silva OAB, Fardilha M; (2014) Multi-method active learning approach: implementation of a cluster randomized trial among pharmacists. *Drug Saf* 2008;31:335-44. 0, 14\_5916/06/C004\_0335/S48,00/0; Figueras, A.; Herdeiro, M.T.; Polónia J, Gestal-Otero, M.T.; 2006; 296: 1086-1093. Herdeiro, M.T.; Figueras, A.; Polónia, J.; Gestal-Otero, J.J.; 2006. Influence of pharmacist's attitudes on adverse drug reaction reporting: a cluster randomized trial in Portugal. *Drug Safety*; 2012;35(8):655-65. On4\_5916/12/0008\_0655/S49.96/0 Pernas, S.; Herdeiro, M.T.; da Cruz e Silva, O.; 2012. Clinical Pharmacy. *m* (2012) 34:693-698; 10.1007/s11096\_012\_9675\_6; Vaz, I.; Herdeiro, M.T.; Polónia, J.; Figueras, A.; 2011. Estratégias para aumentar a adesão dos doentes à terapêutica. *Acta Med Port* 23: 901-908. Figueras, A.; 2009. Determinants of underreporting of adverse drug reactions: a systematic review. *Drug Saf*. 2009; 32(1): 19-31; 0114.5916/09/00010019/cluster\_randomized\_trial\_among\_pharmacists. *Drug Saf* 2008;31:335-44. 0, 14\_5916/06/C004\_0335/S48,00/0; Figueras, A.; Herdeiro, M.T.; Polónia J, Gestal-Otero, M.T.; 2006; 296: 1086-1093. Herdeiro, M.T.; Figueras, A.; Polónia, J.; Gestal-Otero, J.J.; 2006. Influence of pharmacist's attitudes on adverse drug reaction reporting: a cluster randomized trial in Portugal. *Drug Safety*; 2012;35(8):655-65. Marques, J.; Herdeiro, M.T.; 2012. "Estudo sobre atitudes dos enfermeiros perante a notificação de reações adversas a medicamentos". [http://www.infarmed.pt/portal/page/portal/INFARMED/PUBLICACOES/TEMATICOS/BOLETIM\\_FARMACOVIGILANCIA/ANOS\\_ANTERIORES\\_2011/boletim%20farmacovigilancia](http://www.infarmed.pt/portal/page/portal/INFARMED/PUBLICACOES/TEMATICOS/BOLETIM_FARMACOVIGILANCIA/ANOS_ANTERIORES_2011/boletim%20farmacovigilancia). Mendes E, Herdeiro MT, Pimentel F.; (2010). "O uso de terapêuticas à base de plantas por doentes oncológicos." *Acta Med Port* 23: 901-908.

### Projects

Projects: Multifaceted intervention to improve antibiotic stewardship in Portugal: a One Health approach,c2022.04568.PTDC, Principal Investigator (PI), funded by the Portuguese Government.

infections: randomized controlled cluster trial. PTDC/SAU\_SER/31678/2017. PI, Funded by POCI/FCT. APIMedOlder\_Avoiding Potentially Inappropriate Medication Co\_P, Funded by POCI/FCT. Cost Action "the European Network to Advance Best practices & technology on medication adherence (ENABLE)" MC member, CA19LL20\_04\_01, Funded by Fundação LaCaixa. Invited research Determinantes Genéticos das Hemorragias Digestivas Associadas ao consumo de AAS como antiagregantes, intervention to improve the use of antibiotics in Portuguese Health Professionals: cluster\_randomized trial". Centre for Cell Biology, Health Sciences Department, medicamentos na população idosa da região centro de Portugal. Evaluación de la efectividad de una intervención educativa en farmacéuticos comunitarios para III. •"Estudo etnofarmacológico das plantas utilizadas na medicina tradicional angolana." Financed by CESPU\_Centro de Investigação em Tecnologias da Saúde dunha intervención educativa." Faculdade de Medicina da Universidade de Santiago de Compostela e Ministério de Sanidad y Consumo Espanhol. Spain •A/7085

## Memberships

Appointed by the National Health Surveillance Agency (ANVISA) as expert of the Technical Chamber of Pharmacovigilance, April, 2022-2025.

Appointed by the Portuguese Association of Pharmacists to join the committee dedicated to vaccines, on the intervention of pharmacists in vaccination throughout

ENCePP Steering Group Member, 2013\_2020. ENCePP Member, since November 2011.

European Association for Clinical Pharmacology and Therapeutics (EACPT) •The Pharmaceutical Care Network Europe (PCNE) •Portuguese Association of Epidemiology, of Portuguese Pharmacist Association

## Other Relevant Information

European Pharmacologist Certificate (EuCP) 2022-2027. Prizes Clinical epidemiology, awarded by the Lisbon Medical Sciences Society (2016). Scientific research ongoing (5); concluded(3). Supervision/co-supervision of Master students: ongoing (7); concluded(35).