



Curriculum Vitae

Personal information **Ana de Carmo Campos**

Work experience

Since Jan 2017 Internal Medicine specialist Unidade Local de Saúde de Santa Maria, E.P.E. (ULSSM), Pulido Valente Hospital Medicine Service (HPV).

Clinical Activity

Activity in Internal Medicine wards, HPV Medicine Service, including general wards, Stroke Unit, Medicine Special Care Unit (UCEM), Medicine Day Hospital. Outpatient Internal Medicine, Hypertension and Stroke/Medicine.

Consultations at the Internal Medicine Day Hospital. Internal emergency at the HPV Medical Service. Outpatient Emergency Department at Santa Maria Hospital. Internal Medicine consultancy to other medical specialties.

Clinical Training

Intensive Care Medicine. Intensive Care Medicine Department, ULSSM, Lisbon

Palliative Medicine. Palliative and Continuing Care Unit, Hospital da Luz, Lisbon

Autoimmune Diseases. Immune-mediated Diseases Unit, Fernando Fonseca Hospital, Amadora

Haemato-oncology. Haematology Department, Hospital S. Francisco Xavier (HSFX), Centro Hospitalar de Lisboa Ocidental (CHLO), Lisbon

Infectious Diseases and Tropical Diseases Department of Infectious Diseases, Egas Moniz Hospital, Lisbon .

Stroke and Clinical Research. Unidad Ictus Hospital La Paz and IdiPAZ, Madrid, Spain.

Hereditary Metabolic Diseases Charles Dent Metabolic Unit, National Health Services (NHS), London, UK.

From Jan 2016 to Dec 2016 General Training at the Centro Hospitalar de Lisboa Ocidental.

Clinical Training

Primary Health Care. Descobertas Continued Care Unit and Public Health Unit

Internal Medicine. IV Medicine Department at Hospital São Francisco Xavier (HSFX) and Emergency Department General Surgery. HSFX General Surgery Department and Emergency Department

Paediatrics. HSFX Paediatrics Department, Infirmary and Emergency Department, Nursery, Paediatric Special Care Unit.

Haematology. Haemato-Oncology Service at HSFX.

Medical Genetics ULSSM Medical Genetics Department

2010-2013 Clinical pharmacist

Centro de DiagnósEco Computorizado, Lda (CDC), Lisbon, Portugal. Pharmacovigilance activities for medicines and contrast media, pharmacy and archive management, clinical training activities.

2007-2009 Coordinator of Rare Disease Health Promotion and Education Projects. Coordination and implementation of national projects in the field of rare diseases, funded by the Directorate-General for Health (DGS), in collaboration with the National Association for Rare and Mental Diseases (Raríssimas), one of which received an award from EURORDIS.

2008-2010 Pharmacovigilance monitor at Infarmed's Lisbon and Tagus Valley Pharmacovigilance Unit, Clinical Pharmacology Laboratory at the Faculty of Medicine in Lisbon.

2007-2009 Clinical trials monitor and pharmacovigilance in the pharmaceutical industry.

Clinical Research Associate in the Medical Department of GlaxoSmithKline, Miraflores, Portugal.

Education and training

March 2024 Specialist in Internal Medicine, College of Internal Medicine.

June 2017 Competence in Pharmaceutical Medicine, by the Portuguese Medical Association.

2024 Postgraduate Course in Genetic and Clinical Genomics, Faculty of Medicine of NOVA Medical School, Lisbon.

2022 Postgraduate Course in Narrative Medicine, Universidade Estadual Paulista, Universidade do Estado do Rio de Janeiro and Universidade Federal de São Carlos, Brazil.

2017 Postgraduate course in Arterial Stiffness and Vascular Aging, Life and Health Sciences Research Institute (ICVS), School of Medicine, University of Minho ICVS/3B's Braga/Guimarães, Portugal School of Medicine, University of Minho, Braga, Portugal.

2009- 2015 Master's in Medical Sciences from the Faculty of Medicine of NOVA Medical School, Lisbon.

2007 Specialization in Bioethics in Biotechnology and Health, Portuguese Catholic University - Bioethics Institute, Lisbon.

2006 Postgraduate course in Genetic Toxicology and Toxicogenomics, at NOVA Medical School, Lisbon.

1999-2005 Degree in Pharmaceutical Sciences from the Faculty of Pharmacy of the University of Lisbon (pre-Bologna degree).

CERTIFIED TRAINING ACTIVITY

2024 Oncogeriatrics Course, Portuguese Society of Oncology, Oncogeriatrics Working Group. Advanced Life Support, last updated on 29 June 2024.

2024 Open Academy School on Scientific Innovation & Translational Research, EURORDIS.

2023 Pharmacogenomics in Practice, Precision Medicine Advisors Certification. 46th Annual Intensive Review of Internal Medicine, Harvard Medical School. Metabolic Course - Organic Acidemias, Postgraduate Institute for Medicine (Englewood).

2022 European Society of Human Genetics Course on: Precision Medicine. Registration and Clinical Reasoning"

course, SPMI.
 Non-Invasive Ventilation and Oxygen Therapy Course, VitalAire and AstraZeneca.
 2021 Ultrasound Guided Vascular Access, usabcd.
 2020 Antimicrobial Stewardship: A competency-based approach, World Health Organisation. Clinical Care Acute Respiratory Infection, Health Emergencies Programme, WHO. Introduction to Critical Care, University of Glasgow, Future Learn.
 2019 Genetics Course for Non-Geneticists, Portuguese Society of Internal Medicine, Centre for the Study of Rare Diseases.
 Whole genome sequencing: decoding the language of life and health | Genomics Education Programme, Health Education England.
 Genomic Era, St George College (London). Using Personalised Medicine and PGx, East Anglia University.
 2018 Clinical Research Training Programme at the CHULN Training Centre. EURORDIS Open Academy School on Medicines Research & Development. CuBU - Basic Emergency Course, CHULN Training Centre. 82nd TeAM Oral Anticoagulation, Learning Health.
 2017 Rare Causes of Stroke, NEDVC, SPMI. Introduction to Genomic Healthcare, Health Education England.
 Adverse Drug Reactions: Reporting makes medicine safer, SCOPE. Clinical Trials, Protocol, Informed consent, Global Health Network.
 2016 Clinical Investigator Certificate, UNAVE (Training Programme in Pharmaceutical Medicine) and NOVA Medical School (PCTCRIN), Portugal.
 2013 TRREE Certificate (training programme in research ethics evaluation), Swiss Medical Association and Foederation Pharmaceutica Helveticae.
 2012 Pedagogical Training for Trainers, Licence F648790/2016 by the Institute for Employment and Professional Training - National Centre for the Qualification of Trainers

Additional information

Publications

Projects

Research activity

Since 2018 Researcher invited by INSA in collaboration with the Department of Health Promotion and Prevention of Non-Communicable Diseases in national and international projects in the field of Personalized Medicine, in particular Pharmacogenomics
 Since 2017 Participation in 9 clinical research projects: 8 prospective and 1 retrospective, namely those as a Principal Investigator.
 - Prospective, single-centre, national study in the field of genomics and stroke. Financed by an SPMI Research Grant (2023), currently being submitted to the ULSSM ethics committee.
 - Cross-sectional national study on medical literacy in genomic medicine and its ethical, legal and social implications (ELSI), in focus group phase (2023).
 - Prospective, multicentre, national study in the field of genomics and palliative care. Funding from the Grünenthal Research Grant (2022), in progress.
 - National retrospective study in the field of stroke. Awarded a national prize by SPMI's NEDVC(2018), held at ULSSM, pending publication.

Publication of papers in the field of Internal Medicine
 Publications in scientific journals (ORCID <http://orcid.org/0000-0002-5235-3727>)
 Author of 2 chapters in the book "Laboratório de Medicina Interna", published by SPMI.
 Author of 4 chapters in the book "Rare Diseases from A to Z", Calouste Gulbenkian Foundation.
 Public presentations at national and/or international congresses
 More than 30 communications presented at scientific meetings.

Memberships

Prizes, scholarships, honorable mentions
 EURORDIS Scholarship, for "2024 Open Academy School on Scientific Innovation & Translational Research", Barcelona (2023).
 Portuguese Society of Internal Medicine (SPMI) Research Grant, for the research project "Pharmacogenomic approach to stroke patients - study of the prevalence of variants with an impact on therapeutic response in actionable pharmacogenes" (2023).
 Medical Training Support Fund of the Portuguese Medical Association, for "Harvard Medical School - 46th Annual Intensive Review of Internal Medicine" (2023).
 Support for Research Projects in the Area of Pain from the Grünenthal Foundation, for the project "Prevalence of actionable genetic variants in pharmacogenes relevant to antiallergic therapy in a population of patients with palliative needs" (2022).
 Training Scholarship in Narrative Medicine, protocol by Universidade Estadual Paulista, Universidade do Estado do Rio de Janeiro and Universidade Federal de São Carlos (2022).
 European Society of Human Gene7cs Scholarship, for "1st European Society of Human Gene7cs, Precision Medicine: A Focus on Clinical Utility" (2022).
 Scholarship in Hereditary Metabolic Diseases, by the Portuguese Society of Metabolic Diseases (SPDM) (2019).
 Support Fund for Medical Training of the Portuguese Medical Association, for "Clinical Genomics and NGS", Bertinoro (2019).
 Stroke and Research Award, by the SPMI's Centre for the Study of Cerebral Vascular Disease (2018).
 Leiden University Scholarship, for "EXPress, Rare Diseases Summer School", Barcelona (2018).
 Honourable mention for the presentation of the theme "Rare Diseases - the role of the family doctor", at the 3rd USF Descobertas Conference, Lisbon (2016).
 PhD student in Bioethics from the Faculty of Medicine of the Portuguese Catholic University (UCP), focusing on genomics applied to medicine (in progress).
 National and international scientific representations
 Member of the international Working Group of Essen7al Orphan Drugs List, Rare Diseases International/World Health Organization, since 2024.
 Member of the advisory group of the American Association of Pharmacogenomics, since 2024.
 Member of the scientific board of Rare Diseases Portugal (RD_PT), under the Cooperation Protocol with the Portuguese Medical Association, since 2024.
 Invited scientific reviewer for the journals Orphanet Journal of Rare Diseases (Biomed Central (BMC)Springer Nature) and Cureus Journal of Medical Science (Springer Nature), since 2023.
 Professional membership of the Global Health Network, since 2017 (level 5, Fellow).
 Patient advocate at EURORDIS Annual Meeting - "No Rare Disease policy without patients", Athens, Greece, and in DG SANCO (European Commission) - Rare Diseases Day, Brussels, 2009.
 Member of the 3rd Working Group (Database of EU data sources and approaches for facilitating combining of data sets) of ENCePP (European Network of Centers for Pharmacoepidemiology and Pharmacoepidemiology), EMA, London, 2008.

Member of the Health Pastoral of the Diocese of Setúbal, in the field of education and health promotion, 2008-2012.
Member of the III and IV Working Group (Orphan Drugs and Clinical Trials) of ICORD (International Conference of Rare Diseases, Brussels, 2007.

Professional Associations and Competences

College of Internal Medicine Specialty of the Portuguese Medical Association, since 2024.
Competence in Pharmaceutical Medicine by the Portuguese Medical Association, since 2017.
Ordem dos Médicos, member since 2015, with No. 60755.
Ordem dos Farmacêuticos, member from 2005 until 2015.

Scientific Societies

American Society of Pharmacogenomics (APGxA), since 2024.
Portuguese Society of Metabolic Diseases, since 2021, with No. 231.
European Society of Intensive Care Medicine (ESCIM), 2020-2021.
Portuguese Society of Internal Medicine, since 2019, with No. 4066.
Member of the SPMI Bioethics Studies Centre since 2021.
Member of the Obstetric Medicine Study Centre since 2021.
Member of the SPMI Cerebral Vascular Disease Study Centre since 2020.
Member of the SPMI Rare Disease Studies Centre (NEDR) since 2016.

Other Relevant Information

Other scientific and humanitarian affiliations

Rare Diseases International, since 2024.
RD_PT, since 2024.
Doctors of the World, since 2022.
National Institute of Public Health Ricardo Jorge (INSA, Lisbon), since 2018.
Allumni has been a member of EURORDIS since 2018.
Global Health Network, since 2017.
National Innovation Agency (ANI), since 2017.
Institute of Bioethics of the Portuguese Catholic University, since 2012.