

CURRICULUM VITAE

PERSONAL DATA

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EDUCATION

- 2013** PhD in Sciences of Life (speciality Genetics) (Final Score, N/A) NOVA Medical School, Universidade Nova de Lisboa, Portugal
- 2003** Master Thesis in Biotechnology/ Biochemical Engineering Instituto Superior Técnico, Universidade Técnica de Lisboa, Portugal
- 1997** Degree in Technological Chemistry (Final Score, 15, 0-20 scale). Faculdade de Ciências, Universidade de Lisboa, Portugal

PRESENT POSITION

Since June 2024 Global Health and Tropical Medicine, Instituto de Higiene e medicina Tropical (IHMT), Universidade Nova de Lisboa, Lisbon, Portugal
Assistant Professor

AREAS OF SCIENTIFIC ACTIVITY

Virology, Molecular Biology, Global Health, Genetics, Antiretroviral Resistance; Communicable Diseases,

RESEARCH PROJECTS

Coordinates/ coordinated 4 national and international projects and participates/participated in 11 national or international projects.

PUBLICATIONS

- 2024** Sebastião CS, Pingarilho M, Bathy J, Bonfim E, Toancha K, Miranda MNS, Martins MRO, Gomes P, Lázaro L, Pina-Araujo I, Nhampossa T, Leal S, Abecasis AB, Pimentel V. MARVEL-minimising the emergence and dissemination of HIV-1 drug resistance in Portuguese-speaking African Countries (PALOP): low-cost portable NGS platform for HIV-1 surveillance in Africa. *BMC Infect Dis.* 2024 Aug 29;24(1):884. doi: 10.1186/s12879-024-09803-1.
- 2024** Miranda MNS, Pimentel V, Graça J, Seabra SG, Sebastião CS, Diniz A, Faria D, Teófilo E, Roxo F, Maltez F, Germano I, Oliveira J, Ferreira J, Poças J, Mansinho K, Mendão L, Gonçalves MJ, Mouro M, Marques N, Pacheco P, Proença P, Tavares R, Correia de Abreu R, Serrão R, Faria T, Besthope Study Group, O Martins MR, Gomes P, Abecasis AB, Pingarilho M. Sociodemographic, Clinical, and Behavioral Factors Associated with Sexual Transmitted Infection among HIV-1 Positive Migrants in Portugal: Are There Differences between Sexes? *Pathogens.* 2024 Jul 19;13(7):598. doi: 10.3390/pathogens13070598.

- 2024** Sebastião CS, Abecasis AB, Jandondo D, Sebastião JMK, Vigário J, Comandante F, Pingarilho M, Pocongo B, Cassinela E, Gonçalves F, Gomes P, Giovanetti M, Francisco NM, Sacomboio E, Brito M, Neto de Vasconcelos J, Morais J, Pimentel V. HIV-1 diversity and pre-treatment drug resistance in the era of integrase inhibitor among newly diagnosed ART-naïve adult patients in Luanda, Angola. *Sci Rep.* 2024 Jul 10;14(1):15893. doi: 10.1038/s41598-024-66905-1.
- 2024** Pimentel V, Pineda-Peña A, Sebastião CS, de Paula JL, Ahagon CM, Pingarilho M, Martins MRO, Coelho LPO, Matsuda EM, Alves D, Abecasis AB, Brígido LFM. Dynamics and features of transmission clusters of HIV-1 subtypes in the state of São Paulo, Brazil. *Front Public Health.* 2024 Jun 5;12:1384512. doi: 10.3389/fpubh.2024.1384512.
- 2024** Pimentel V, Pingarilho M, Sebastião CS, Miranda M, Gonçalves F, Cabanas J, Costa I, Diogo I, Fernandes S, Costa O, Corte-Real R, Martins MRO, Seabra SG, Abecasis AB, Gomes P. Applying Next-Generation Sequencing to Track HIV-1 Drug Resistance Mutations Circulating in Portugal. *Viruses.* 2024 Apr 17;16(4):622. doi: 10.3390/v16040622.
- 2024** Abrantes R, Pimentel V, Miranda MNS, Silva AR, Diniz A, Ascensão B, Piñeiro C, Koch C, Rodrigues C, Caldas C, Morais C, Faria D, Gomes da Silva E, Teófilo E, Monteiro F, Roxo F, Maltez F, Rodrigues F, Gaião G, Ramos H, Costa I, Germano I, Simões J, Oliveira J, Ferreira J, Poças J, Saraiva da Cunha J, Soares J, Fernandes S, Mansinho K, Pedro L, Aleixo MJ, Gonçalves MJ, Manata MJ, Mouro M, Serrado M, Caixeiro M, Marques N, Costa O, Pacheco P, Proença P, Rodrigues P, Pinho R, Tavares R, Correia de Abreu R, Côte-Real R, Serrão R, Sarmento E Castro R, Nunes S, Faria T, Baptista T, Simões D, Mendão L, Martins MRO, Gomes P, Pingarilho M, Abecasis AB; BESTHOPE Study Group. Determinants of HIV late presentation among men who have sex with men in Portugal (2014-2019): who's being left behind? *Front Public Health.* 2024 Feb 29;12:1336845. doi: 10.3389/fpubh.2024.1336845. eCollection 2024.PMID: 38500732
- 2023** Seabra SG, Merca F, Pereira B, Fonseca I, Carvalho AC, Brito V, Alves D, Libin P, Martins MRO, Miranda MNS, Pingarilho M, Pimentel V, Abecasis AB. Serological screening in a large-scale municipal survey in Cascais, Portugal, during the first waves of the COVID-19 pandemic: lessons for future pandemic preparedness efforts. *Front Public Health.* 2024 Feb 2;12:1326125. doi: 10.3389/fpubh.2024.1326125. eCollection 2024.
- 2023** Miranda MNS, Pimentel V, Gomes P, Martins MDRO, Seabra SG, Kaiser R, Böhm M, Seguin-Devaux C, Paredes R, Bobkova M, Zazzi M, Incardona F, Pingarilho M, Abecasis AB The Role of Late Presenters in HIV-1 Transmission Clusters in Europe. *Viruses.* 2023 Dec 13;15(12):2418. doi: 10.3390/v15122418.
- 2023** Joaquim L, Miranda MNS, Pimentel V, Martins MRO, Nhampossa T, Abecasis A, Pingarilho M. Retention in care and virological failure among adult HIV positive patients on first-line ART in Maputo-Mozambique. *Viruses.* 2023 Sep 22;15(10):1978. doi: 10.3390/v15101978.
- 2023** de Salazar A, Viñuela L, Fuentes A, Teyssou E, Charpentier C, Lambert-Niclot S, Serrano-Conde E, Pingarilho M, Fabeni L, De Monte A, Stefic K, Perno CF, Aguilera A, Falces I, Delgado R, Fernandes S, Diogo I, Gomes P, Paraskevis D, Santoro MM, Ceccherini-Silberstein F, Marcelin AG, Garcia F. “Transmitted drug resistance to integrase based first-line HIV antiretroviral regimens in the Mediterranean Europe”, *Clin Infect Dis.* 2023 May
- 2022** Raimondi S, Gandini S, Rubio Quintanares GH, Abecasis A, Lopalco PL, D'Ecclesiis O, Chiocca S, Tomezzoli E, Cutica I, Mazzoni D, Amparo N, Pingarilho M, Carmagnola D, Dellavia C, Zuccotti G, Ronchini C, Bellerba F, Dewald F, Kaiser R, Incardona F; Eucare WP4. European Cohorts of patients and schools to Advance Response to Epidemics (EuCARE): a cluster randomised interventional and observational study protocol to investigate the relationship between schools and SARS-CoV-2 infection. *BMC Infect Dis.* 2023 Jan 3;23(1):1. doi: 10.1186/s12879-022-07947-6

- 2022 Marcelino R, Ezeonwumelu IJ, Janeiro A, Mimoso P, Matos S, Briz V, Pimentel V, Pingarilho M, Tato Marinho R, Maria Marcelino J, Taveira N, Abecasis A. Phylogeography of hepatitis B virus: The role of Portugal in the early dissemination of HBV worldwide. *PLoS One*. 2022 Dec 22;17(12):e0276618. DOI: 10.1371/journal.pone.0276618
- 2022 Mafalda N S Miranda, Marta Pingarilho, Victor Pimentel, Andrea Torneri, Sofia G Seabra, Pieter J K Libin, Ana B Abecasis; “A Tale of Three Recent Pandemics: Influenza, HIV and SARS-CoV-2”; *Front Microbiol*. 2022 Jun 2; 13:889643. doi: 10.3389/fmicb.2022.889643.
- 2022 Miranda MNS, Pingarilho M, Pimentel V, Martins MdRO, Kaiser R, Seguin-Devaux C, Paredes R, Zazzi M, Incardona F and Abecasis AB, “Trends of Transmitted and Acquired Drug Resistance in Europe From 1981 to 2019: A Comparison Between the Populations of Late Presenters and Non-late Presenters”. *Front. Microbiol*. 2022 13:846943. doi:10.3389/fmicb.2022.846943
- 2022 Pingarilho M, Pimentel V, Miranda MNS, Silva AR, Diniz A, Ascensão BB, Piñeiro C, Koch C, Rodrigues C, Caldas C, Morais C, Faria D, da Silva EG, Teófilo E, Monteiro F, Roxo F, Maltez F, Rodrigues F, Gaião G, Ramos H, Costa I, Germano I, Simões J, Oliveira J, Ferreira J, Poças J, da Cunha JS, Soares J, Henriques J, Mansinho K, Pedro L, Aleixo MJ, Gonçalves MJ, Manata MJ, Mouro M, Serrado M, Caixeiro M, Marques N, Costa O, Pacheco P, Proença P, Rodrigues P, Pinho R, Tavares R, de Abreu RC, Côrte-Real R, Serrão R, Castro RS, Nunes S, Faria T, Baptista T, Martins MRO, Gomes P, Mendão L, Simões D and Abecasis A (2022) “HIV- 1-Transmitted Drug Resistance and Transmission Clusters in Newly Diagnosed Patients in Portugal Between 2014 and 2019.” *Front. Microbiol*. 13:823208. doi: 10.3389/fmicb.2022.823208
- 2022 Pimentel, Victor Figueiredo; Pingarilho, Marta; Sole, Giordano; Alves, Daniela; Miranda, Mafalda; Diogo, Isabel; Fernandes, Sandra; Pineda-Pena, Andrea; Martins, M. Rosário O.; Camacho, Ricardo; Gomes, Perpétua; Abecasis, Ana B. on behalf of the Portuguese HIV-1 Resistance Study Group; “Differential patterns of post-migration HIV-1 infection acquisition among Portuguese immigrants of different geographical origin” *AIDS: February 25, 2022 - Volume - Issue - doi: 10.1097/QAD.0000000000003203*
- 2021 Miranda MNS, Pingarilho M, Pimentel V, Martins MdRO, Vandamme A-M, Bobkova M, Böhm M, Seguin-Devaux C, Paredes R, Rubio R, Zazzi M, Incardona F, Abecasis A. “Determinants of HIV-1 Late Presentation in Patients Followed in Europe.” *Pathogens*. 2021; 10(7):835. <https://doi.org/10.3390/pathogens10070835>
- 2021 Ana Cláudia Miranda*, Mafalda Miranda*, Marta Pingarilho, Victor Pimentel, João Torres, Susana Peres, Teresa Baptista Alberto, Perpétua Gomes, Ana Abecasis, and Kamal Mansinho. “Determinants of HIV-1 Late Presentation in a Cohort of Portuguese HIV-1 Patients” *AIDS Research and Human Retrovirus* Nov 2021.846-851. <http://doi.org/10.1089/aid.2020.0175>
- 2020 Pingarilho M, Pimentel V, Diogo I, Fernandes S, Miranda M, Pineda-Pena A, Libin P, Theys K, Martins MRO, Vandamme AM, Camacho R, Gomes P, Abecasis A “[Increasing Prevalence of HIV-1 Transmitted Drug Resistance in Portugal: Implications for First Line Treatment Recommendations.](#)” *Viruses*. 2020 Oct 30;12(11):1238. doi: 10.3390/v12111238.
- 2020 Pingarilho M, Pimentel V, Abecasis A “Combining Clinical and Sociobehavioral questionnaires with genomic data to better understand HIV transmission”, *SAGE Research Methods Cases: Medicine and Health*, June 2020. DOI: <https://dx.doi.org/10.4135/9781529744583>
- 2020 Pimentel V, Pingarilho M, Alves D, Diogo I, Fernandes S, Miranda M, Pineda-Pena AC, Libin P, Martins MRO, Vandamme AM, Camacho R, Gomes P, Abecasis A, “Molecular Epidemiology of HIV-1 Infected Migrants Followed up in Portugal: Trends between 2001-2017”, *Viruses*. 2020 Feb 28;12(3). pii: E268. doi: 10.3390/v12030268.

- 2020 Pingarilho, M., Pimentel, V., & Abecasis, A. "Combining clinical and sociobehavioral questionnaires with genomic data to better understand HIV transmission." In *SAGE Research Methods Cases*.
- 2019 Pineda-Peña AC, Pingarilho M, Li G, Vrancken B, Libin P, Gomes P, Camacho RJ, Theys K, Barroso Abecasis A; Portuguese HIV-1 Resistance Study Group, "Drivers of HIV-1 transmission: The Portuguese case.", *PLoS One*. 2019 Sep 30;14(9):e0218226. doi: 10.1371/journal.pone.0218226. eCollection 2019.
- 2019 Araújo PMM, Carvalho A, Pingarilho M; BEST-HOPE study group, Abecasis AB, Osório NS, "Characterization of a large cluster of HIV-1 AI infections detected in Portugal and connected to several Western European countries", *Scientific reports* 2019 May 10.
- 2017 Abecasis AB, Pingarilho M, Vandamme AM, "Phylogenetic analysis as a forensic tool in HIV transmission investigations: a literature review.", *AIDS*. 2018 March 13 , 32(5): 543-554.
- 2017 Paraschiv S, Banica L, Nicolae I, Niculescu I, Abagiu A, Jipa R, Pineda-Peña AC, Pingarilho M, Neaga E, Theys K, Libin P, Otelea D, Abecasis A, "Epidemic dispersion of HIV and HCV in a population of co-infected Romanian injecting drug users.", *PLoS One*. 2017 Oct 9;12
- 2016 Dias S, Gama A, Pingarilho M, Simões D, Mendão L." *Health Services Use and HIV Prevalence Among Migrant and National Female Sex Workers in Portugal: Are We Providing the Services Needed?*" *AIDS Behav*, 2016 Jul 30 (Epub ahead of print)
- 2016 de Lima JP, Silva SN, Rueff J, Pingarilho M "Glycidamide genotoxicity modulated by Caspases genes polymorphisms." *Toxicol In Vitro*. 5; 34:123-127.
- 2016 Ana Gama, Ana Abecasis, Marta Pingarilho, Luís Mendão, Maria O. Martins, Henrique Barros, Sónia Dias "Cruising Venues as a Context for HIV Risky Behavior Among MSM" *Arch Sex Behav*, 2016 Mar 17
- 2014 Carla Costa, Julia García-Lestón, Solange Costa, Patrícia Coelho, Susana Silva, Marta Pingarilho, Jorge Francisco Gaspar, Vanessa Valdiglesias, Francesca Mattei, Valentina Dall'Armi, Stefano Bonassi, Blanca Laffon, John Snawder, João Paulo Teixeira "Is organic farming safer to farmers' health? A comparison between organic and traditional farming" *Toxicology Letters*, 230 (2):166-76.
- 2013 Susana Bandarra, Ana S. Fernandes, Inês Magro, Patrícia S. Guerreiro, Marta Pingarilho, Mona I. Churchwell, Octávia Monteiro Gil, Ines Batinić-Haberle, Sandrina Gonçalves, José Rueff, Joana P. Miranda, M. Matilde Marques, Frederick A. Beland, Matilde Castro, Jorge F. Gaspar, Nuno G. Oliveira, "Mechanistic insights into glycidamide-induced cytotoxic and genotoxic effects in human mammary cells" *Mutagenesis*, 28, 721-729.
- 2013 Marta Pingarilho, Nuno G. Oliveira, Célia Martins, Bruno Costa Gomes, Ana Sofia Fernandes, Vanda Martins, Anatólia Ribeiro da Silva, José Rueff, Jorge Francisco Gaspar. "Induction of Sister Chromatid Exchange by acrylamide and glycidamide in human lymphocyte: Role of polymorphisms in detoxification and DNA-repair genes in the genotoxicity of glycidamide " *Mutation Research*, 752, 1-7
- 2012 Marta Pingarilho, Nuno G. Oliveira, Célia Martins, Ana Sofia Fernandes, João Pereira de Lima, José Rueff, Jorge Francisco Gaspar. "Genetic polymorphisms in detoxification and DNA repair genes and in vitro susceptibility to glycidamide-induced DNA damage." *Journal of Toxicology and Environmental Health*, 75:920-33.
- 2012 Julia García-Lestón; Joana Roma-Torres; Maria Vilarés; Rui Pinto; Joao Prista, Joao Paulo Teixeira; Olga Mayan; Joao Conde; Marta Pingarilho; Jorge Francisco Gaspar, Eduardo Pásaro; Josefina Méndez; Blanca Laffon. "Genotoxic effects of occupational exposure to lead and influence of polymorphisms in genes involved in lead toxicokinetics and in DNA repair". *Environmental International*, 43: 29-36.
- 2011 Daniela L Ramos, Jorge F Gaspar, Marta Pingarilho, Octávia M Gil, Ana S Fernandes, José Rueff and Nuno G Oliveira. "Genotoxic effects of doxorubicin in cultured human lymphocytes with different glutathione S-transferase genotypes". *Mutation Research* 724: 28-34.

- 2009** Nuno G. Oliveira, Marta Pingarilho, Célia Martins, Ana S. Fernandes, Sofie Vaz, Vanda Martins, José Rueff, Jorge F. Gaspar “*Cytotoxicity and chromosomal aberrations induced by acrylamide in V79 cells: Role of glutathione modulators*” *Mutation Research* 676: 87-92.
- 2007** Célia Martins, Nuno G. Oliveira, Marta Pingarilho, Gonçalo Gamboa G. da Costa, Vanda Martins, Maria M. Marques, Frederick A. Beland, Mona I. Churchwell, Daniel R. Doerge, José Rueff, Jorge F. Gaspar “*Cytogenetic Damage Induced by Acrylamide and Glycidamide in Mammalian Cells: Correlation with specific Glycidamide DNA-adducts*” *Toxicological sciences* 95(2):383-90.