

## Marisa Miraldo

Professor of Health Economics  
Department of Economics and Public Policy  
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**FIELDS OF SPECIALISATION:** Health Economics and Policy; Behavioural Economics; Healthcare Provision and Innovation.

**TEAM (current):** 11 researchers (4 Post Docs; 5 PhD students; 2 researchers).

PhDs supervised to completion: 8

### **CURRENT POSITIONS**

- 2022- **Professor in Health Economics**, Department of Economics & Public Policy, BS, ICL
- 2022- **Academic Director**, MSc in International Health Management, BS, ICL
- 2022- **Associate Editor**, Journal of Behavioral and Experimental Economics
- 2022- **Advisory Board** CARPE- University of Oxford
- 2022- **Advisory Board** ESHCRU - Policy Research Unit in the Economics of Health Systems and the Interface with Social Care
- 2022 **Advisory Board** ICL Women's Health Network
- 2021- **Academic Board**, ICL/ICHT Digital Strategy Partnership Board
- 2021- **Advisory Group**, Global Development Hub, ICL
- 2019- **Expert at the World Economic Forum**, Expert Network on the Future of Health and Healthcare, and Healthcare Delivery Systems
- 2018- **Data Science Institute Fellow**, ICL
- 2017- **Strategic Board**, Centre Translational Nutrition and Food Research, ICL
- 2018- **Strategic Board** of the Imperial Network for Vaccine Research, ICL
- 2019- **Steering Committee** of the NIHR Global Health Research Unit for Diabetes and Cardiovascular Disease, ICL

### **PAST POSITIONS**

- 2013–2022 **Associate Professor (Reader) in Health Economics**, Department of Economics and Public Policy, BS, ICL
- 2019–2022 **Chair** of the Equality, Diversity and Inclusion Committee, BS, ICL
- 2015–2017 **Associate Head of Department**, Management Department at Imperial College Business School, ICL
- 2015–2018 **Chair**, Gender Equity Committee, led the submission to Athena Swan
- 2016–2018 **Scientific leader** on the Portuguese Ministry of Health project-national pilot on drug dispensing for ART treatment on community pharmacies

- 2015–2019 **Centre Fellow, KPMG Data Analytics, Leader on Health Policy**
- 2008–2013 **Assistant Professor in Health Economics**, Imperial College Business School
- 2005–2008 **Research Fellow**, Centre for Health Economics, University of York
- 2004–2005 **Post-Doctoral Teaching Fellowship**, Department of Economics, University of York
- 2002–2004 **Teaching Fellow**, Department of Economics, University of York

### **VISITS TO OTHER DEPARTMENTS**

- 2015–2018 Visiting Professor at School of Public Health, Nova University
- 2015 Visiting Professor at Harvard School of Public Health
- 2015 Visiting Professor Hospinomics, Paris School of Economics
- 2009 Invited Lecturer, University of Eastern Finland
- 2007 Invited Lecturer, University of Brescia
- 2004 Visiting researcher, IDEA Universitat Autònoma de Barcelona

### **EDUCATION**

- 2007 **PhD in Economics**, University of York. Thesis: Essays in Health Care Financing
- 2001 **Master in Economics and Finance**, Universitat Pompeu Fabra
- 2000 **Master of Arts in Economics** (with distinction), Université Catholique de Louvain la Neuve
- 1997 **ERASMUS**, Loughborough University (England)
- 1999 **Undergraduate Degree in Economics** at Universidade Católica Portuguesa

### **PUBLICATIONS**

#### **Health Behaviors and Policy**

1. Goiana-Da-Silva F et al. (2022). Modelling the health impact of legislation to limit the salt content of bread in Portugal: a macro simulation study, Forthcoming in ***Frontiers in Public Health***, ISSN:2296-2565
2. Kusuma D, Atanasova P, Pineda E, Anjana RM, De Silva L, Hanif AA, Hasan M, Hossain MM, Indrawansa S, Jayamanne D, Jha S, Kasturiratne A, Katulanda P, Khawaja KI, Kumarendran B, Mridha MK, Rajakaruna V, Chambers JC, Frost G, Sassi F, Miraldo Met al., 2022, Food environment and diabetes mellitus in South Asia: A geospatial analysis of health outcome data, ***PLoS Medicine***, Vol: 19, ISSN: 1549-1277 Senior Author.
3. Galizzi M, Lau K, Miraldo M, Hauck Ket al., 2022, Bandwagoning, free-riding and heterogeneity in influenza vaccine decisions: an online experiment, ***Health Economics***, Vol: 31, Pages: 614-646, ISSN: 1057-9230. First Author.
4. Atanasova P, Kusuma D, Pineda E, Frost G, Sassi F et al., 2022, The impact of the consumer and neighbourhood food environment on dietary intake and obesity-related outcomes: A systematic review of causal impact studies., ***Social Science and Medicine***, Vol: 299, Pages: 1-16, ISSN: 0277-9536. Senior Author.

5. Atanasova P, Kusuma D, Pineda E, Anjana RM, De Silva L, Hanif AAM, Hasan M, Hossain MM, Indrawansa S, Jayamanne D, Jha S, Kasturiratne A, Katulanda P, Khawaja KI, Kumarendran B, Mrida MK, Rajakaruna V, Chambers JC, Frost G, Sassi F, Miraldo Met al., 2022, Food environments and obesity: a geospatial analysis of the South Asia Biobank, income and sex inequalities., *SSM - Population Health*, Vol: 17, Pages: 101055-101055, ISSN: 2352-8273. Senior Author.
6. Ohrnberger J, Segal A, Forchini G, Miraldo M, Skarp J, Nedjati-Gilani G, Laydon DJ, Ghani A, Ferguson N, Hauck K (2021). The impact of a COVID-19 lockdown on work productivity under good and poor compliance. Forthcoming in *European Journal of Public Health*.
7. Song P, Gupta , Goon IY, Hasan H, Mahmood S, Pradeepa R, Siddiqui S, Frost G, Kusuma D, Miraldo M, Sassi F, Wareham NJ, Ahmed S, Anjana RM, Brage S, Forouhi NG, Jha S, Kasturiratne A, Katulanda P, Khawaja KI, Loh M, Mridha MK, Wickremasinghe AR, Kooner JS, Chambers JC, on behalf of South Asia Biobank (2021). Understanding the patterns and determinants of health in South Asians—the South Asia Biobank. *International Journal of Epidemiology*, Vol 50 (3):717–718e.
8. De Backer C, Teunissen L, Cuykx I, Decorte P, Pabian S, Gerritsen S, Matthys C, Al Sabbah H, Van Royen K, Corona Cooking Survey Study Group. An Evaluation of the COVID-19 Pandemic and Perceived Social Distancing Policies in Relation to Planning, Selecting, and Preparing Healthy Meals: An Observational Study in 38 Countries Worldwide. *Frontiers Nutrition*, Vol 4(7): 621-726. (author list can be found here <https://pubmed.ncbi.nlm.nih.gov/33614693/>).
9. Singh S, Shaikh M, Hauck K, Miraldo M (2021). Impacts of introducing and lifting nonpharmaceutical interventions on COVID-19 daily growth rate and compliance in the United States. *PNAS-Proceedings of the National Academy of Sciences*, Vol:118(12): e2021359118. Senior Author.
10. Hauck K, Miraldo M, Singh S (2020). Integrating Motherhood and Employment: A 22-year Analysis Investigating Impacts of US Workplace Breastfeeding Policy. *Social Science and Medicine, Population Health*, Vol 1: 100580. Equal Contribution.
11. Goiana-da-Silva F, Cruz-e-Silva D, Bartlett O, Vaconcelos J, Nunes AM, Ashrafian H, Miraldo M, Machado M, Araujo F, Darzi A (2020). The ethics of taxing sugar-sweetened beverages to improve public health. *Frontiers in Public Health*, Vol 8(110).
12. Goiana-da-Silva F, Severo M, Cruz E Silva D, Gregório MJ, Allen LN, Muc M, Morais Nunes A, Torres D, Miraldo M, Ashrafian H, Rito A, Wickramasinghe K, Breda J, Darzi A, Araújo F, Lopes C (2020). Projected impact of the Portuguese sugar-sweetened beverage tax on obesity incidence across different age groups: A modelling study. *PLoS Medicine*, Vol 7(3): e1003036.
13. Silva F, Cruz e Silva D, Allen L, Nunes A, Calhau C, Rito A, Bento A, Miraldo M, Darzi A (2019). Portugal's voluntary food reformulation agreement and the WHO reformulation targets. *Journal of Global Health*, Vol 9(2): 9(2): 020315.
14. Silva F, Gregorio M, Cruz-e-Silva D, Severo M, Nogueira P, Nunes A, Graça P, Lopes C, Miraldo M, Breda J, Allen L, Wickramasinghe K, Darzi A, Mikkelsen B, Araújo F (2019). Modelling the impact of a food industry co-regulation agreement on Portugal's non-communicable disease mortality. *Bulletin of the World Health Organization*, Vol 97(7):450-459.
15. Goiana-da-Silva F, Cruz-e-Silva D, Miraldo M, Calhau C, Bento A, Cruz D, Almeida F, Darzi A, Araujo F (2019). Front-of-pack labelling policies and the need for guidance. *Lancet Public Health*, Vol 4(1): E15.

16. Lau K, Miraldo M, Galizzi M, Hauck K (2019). Social norms and free-riding in influenza vaccine decisions in the UK: an online experiment. *The Lancet*, Vol 394(S65). Public Health Science Conference 2019, Publisher: Elsevier. (Conference abstract)
17. Miraldo M, Propper C, Williams RI (2018). The impact of publicly subsidised health insurance on access, behavioural risk factors and disease management, *Social Science and Medicine*, Vol: 217: 135-151, Equal Contribution.
18. Galizzi MM, Harrison GW, Miraldo M (2018). Experimental methods and behavioural insights: risk and time preferences in health. In Baltagi BH, Moscone F (eds.). *Health Econometrics in Contributions to Economic Analysis*. Emerald Publishing, Emerald Publishing Limited, U.K., pp. 1-23. Equal Contribution.
19. Goiana-Da-Silva F, Nunes AM, Miraldo M, Bento A, Breda J, Araujo FF (2018). Taxation in Public Health Service: The Experience in Taxation of Sugary Drinks in Portugal. *Acta Medica Portuguesa*, Vol 31: 233-233.
20. Goiana-da-Silva F, Cruz-e-Silva D, Gregorio MJ, Miraldo M, Darzi A, Araujo F (2018). The future of the sweetened beverages tax in Portugal. *Lancet Public Health*, Vol 3(2): E562-E562.
21. Goiana-Da-Silva F, Nunes AM, Miraldo M, Bento A, Breda J, Araujo F (2018). Using Pricing Policies to Promote Public Health: The Sugar Sweetened Beverages Taxation Experience in Portugal. *Acta Medica Portuguesa*, Vol 31: 191-195.
22. Galizzi M, Miraldo M, Stravopoulou C, Van der Pol M (2016). Doctor-Patient differences in risk and time preferences: field evidence from Greece. *Journal of Health Economics*, Vol 50: 171-182. Equal Contribution.
23. Galizzi M, Miraldo M, (2016). Are you what you eat? *The B.E. Journal of Economic Analysis and Policy*. Vol 17: 1935-1682. Equal Contribution.
24. Wheelock A, Miraldo M, Thomson A, Vincent C, Svedalis N (2017). Evaluating the importance of policy amenable factors in explaining influenza vaccination: a cross-sectional multinational study. *BMJ Open*, Vol 7: e014668. Second Author.
25. Galizzi MM, Miraldo M, Stavropoulou C (2016). In Sickness but Not in Wealth: Field Evidence on Patients' Risk Preferences in Financial and Health Domains, *Medical Decision Making*, Vol 36: 503-517. Equal Contribution.
26. Wheelock A, Parand A, Rigole B, Thomson A, Miraldo M, Vincent C, Sevdalis N (2014). Socio-psychological factors driving adult vaccination: a qualitative study. *PLoS One*, Vol 9(12): e113503.
27. Wheelock A, Miraldo M, Parand A, Vincent C, Svedalis N (2014). Journey to vaccination: a protocol for a multinational qualitative study. *BMJ Open*, Vol 4(1).
28. Miraldo M, Galizzi M M., Merla A, Levaggi R, Schulz P, Auxilia F, Castaldi S, Gelatti U (2014). Should I pay for your risky behaviours? Evidence from London. *Preventive Medicine*, Vol 66: 145-158. First & Senior Author.

### **Pharmaceutical Economics and Policy**

29. Aerts C, Barrenho E, Miraldo M, Sicuri E (2022). The Impact of the Priority Review Voucher on Research and Development for Tropical Diseases. *Pharmaceut Med*; 36(3):189-197.
30. Barrenho E, Halmai R, Miraldo M, Tzintzun I, Ali SR, Toulemon L, Dupont J-CK, Rochaix Let al., (2022), Inequities in cancer drug development in terms of unmet medical need, *Social Science and Medicine*, Vol: 302, ISSN: 0277-9536.

31. Gad M, Miraldo M, Shaik M (2022). Financing Innovation for Neglected Disease. In Paying for health: learning from international experiences. In Smith P et al. (Eds.), Paying for health: learning from international experiences. European Observatory on Health Systems and Policies (invited book chapter). *Forthcoming*.
32. Simmons B, Ariyoshi K, Ohmagari N, Pulcini C, Huttner B, Gandra S, Satta G, Moja L, Sharland M, Magrini N, Miraldo M, Cooke G. Progress towards antibiotic use targets in eight high-income countries. *Bull World Health Organ*. 2021 Aug 1;99(8):550-561. Equal Senior Author.
33. Symmons B, Cooke Graham, Miraldo M (2019). The impact of voluntary licenses for hepatitis C on access to treatment: a difference-in-differences analysis. *Lancet Global Health*, Vol 7 (9): E1189-E1196. Senior Author.
34. Crea G, Galizzi M, Linnosma I, Miraldo M (2019). Doctors' altruism and moral hazard: (weak) evidence from Finnish prescription data. *Journal of Health Economics*, Vol 65:153-169. Senior author.
35. Barrenho E, Miraldo M, Smith PC (2019). Does global drug innovation correspond to burden of disease? The neglected diseases in developed and developing countries. *Health Economics*, Vol 28: 123-143. Equal Contribution.
36. Barrenho E. and Miraldo M. (2018). R&D Success in Pharmaceutical Markets: A Duration Model Approach. In Health Econometrics (Contributions to Economic Analysis), Vol 294: 201-233, Emerald Publishing Limited. Senior Author.
37. Barrenho E, Miraldo M, Shaikh M, Atun R (2017). Vertical and horizontal equity of funding for malaria control: a global multisource funding analysis for 2006-2010. *BMJ Global Health*, Vol 2. Equal Contribution.
38. Camejo R, Miraldo M, Rutten F (2016). Cost-effectiveness and dynamic efficiency: does the solution lie within? *Value in Health*, Vol 20(2): 240-243. Equal Contribution.
39. Camejo R, McGrath C, Miraldo M, Rutten F (2013). The Determinants of Cost-Effectiveness Potential: An Historical Perspective on Lipid-Lowering Therapies. *Pharmacoeconomics*, Vol 31(5): 445-54. Equal Contribution.
40. Camejo RR, McGrath C, Rutten F, Miraldo M (2013). Distribution of health-related social surplus in pharmaceuticals: an estimation of consumer and producer surplus in the management of high blood lipids and COPD. *European Journal of Health Economics*, Vol 15(4):439-45 Equal Contribution.
41. Galizzi MM, Ghislandi S, Miraldo M (2011). Effects of Reference Pricing in Pharmaceutical Markets: a Review. *PharmacoEconomics*, Vol 29(1):17-33. Equal Contribution.
42. Miraldo M (2009). Reference pricing and firms' pricing strategies. *Journal of Health Economics*, Vol 28: 176-197.

### **Healthcare Provision and Innovation**

43. D'Aeth J, Ghosal S, Grimm F, Haw D, Koca E, Lau K, Liu H, Moret S, Rizmie D, Smith P et al (2022). Optimal hospital care scheduling during the SARS-CoV-2 pandemic. *Forthcoming in Management Science*.
44. Rizmie D, Atun R, Miraldo M, de Preux L (2022). Heating the NHS: the impact of heatwaves and cold spells on emergency admissions. *Forthcoming in Social Science and Medicine*. Equal Contribution.
45. Haw D, Forchini G, Doohan P, Christen P, Pianella M, Johnson R, Bajaj S, Hogan A, Winskill P, Miraldo M, White P, Ghani A, Ferguson N, Smith P, Hauck K, (2022), Optimizing social

- and economic activity while containing SARS-CoV-2 transmission using DAEDALUS, *Nature Computational Science*, ISSN: 2662-8457
46. Shaikh M, Tymoszuk U, Williamon A, Miraldo M., (2021), Socioeconomic inequalities in arts engagement and depression among older adults in the United Kingdom: Evidence from the English Longitudinal Study of Ageing, *Public Health*, Vol: 198, Pages: 307-314, ISSN: 0033-3506
  47. D'Aeth J, Ghosal S, Grimm F, Haw D, Koca E, Lau K, Moret S, Rizmie D, Deeny SR, Perez P, Ferguson N, Hauck K, Smith P, Wiesemann W, Forchini G, Miraldo M (2021). Who shall live? Optimal National Prioritization Policies for Hospital Care During the SARS-CoV-2 Pandemic. Forthcoming in *Nature-Computational Science*. Senior Author.
  48. Tymoszuk U, Shaik M, William A, Miraldo M (2021). Socioeconomic inequalities in arts engagement and depression among older adults in the United Kingdom: Evidence from the English Longitudinal Study of Ageing, Forthcoming in *Public Health*. Senior Author.
  49. Christen P, D'Aeth J, Lochen A, McCabe R, Rizmie D, Schmit N, Nayagam S, Miraldo M, Aylin P, Bottle A, Perez Guzman P, Donnelly C, Ghani A, Ferguson N, White P, Hauck K (2021). The J-IDEA pandemic planner: a framework for implementing hospital provision interventions during the COVID-19 pandemic. *Medical Care*, Vol 59: 371-378.
  50. Barrenho E, Miraldo M, Propper C, Walsh B (2021). The importance of surgeons and their peers in adoption and diffusion of innovation: an observational study of laparoscopic colectomy adoption and diffusion in England. *Social Science and Medicine*, Vol 272: 113715. Equal Contribution.
  51. Lau K, Dorigatti I, Miraldo M, Hauck K (2021). SARIMA-modelled greater severity and mortality during the 2010/11 post-pandemic influenza season compared to the 2009 H1N1 pandemic in English hospitals, *International Journal of Infectious Diseases*, Vol 105: 161-171.
  52. McCabe R, Schmit N, Christen P, McCabe R, Lochen A, Rizmie D, Nayagam S, Miraldo M, Aylin P, Bottle A, Perez P, Ghani A, Ferguson N, White P, Hauck K (2020). Adapting hospital capacity to meet changing demands during the COVID-19 pandemic. *BMC Medicine* Vol 18(329).
  53. Lau K, Hauck K, Miraldo M (2019). Excess influenza hospital admissions and costs due to the 2009 H1N1 pandemic in England. *Health Economics*, Vol 28: 175-188. Equal Contribution.
  54. Rizmie D, Miraldo M, Atun R, de Preux L (2019). The effect of extreme temperature on emergency admissions across vulnerable populations in England: an observational study. *The Lancet*, Vol 394(S7. Public Health Science 2019 Conference, Publisher: Elsevier. (Conference abstract).
  55. Miraldo M, Hauck K, Vernet A, Wheelock A (2019). Variations in the Adoption of Healthcare Innovation? A Literature Review, Oxford Research Encyclopedia of Economics and Finance, Editors: Jones, Publisher: Oxford University Press. First/Senior Author.
  56. Shaikh M, Miraldo M, Renner A-T (2018). Waiting time at health facilities and social class: Evidence from the Indian caste system, *PLOS ONE*, Vol 13(10): e0205641.
  57. Perelman J, Miraldo M, Russo G (2016). Reforma dos cuidados de saúde primários: a experiência do pagamento pelo desempenho. Almedina Editors (Book). Publication following the Antonio Arnaut award of the best contribution for research in health systems. ISBN: 9789724067810. Equal Contribution.
  58. Ekman I, Busse R, van Ginneken, Van Hoof EC, van Ittersum L, Klink A, Kremer JA, Miraldo M, Olauson A, Raedt W, Rosen-Zvi M, Stramiello V, Tornell J, Swednerg K (2016). Health-

- care improvements in a financially constrained environment. *The Lancet*, Vol 387: 646-647.
59. Galizzi M, Miraldo M, Stravopoulou C, Desai M, Jayatunga W, Josh M, Parikh S. (2012). Who is More Likely to Use Doctor-Rating Websites, and Why? *BMJ Open*, Vol 2(6). First & Senior Author.
  60. Miraldo M, Siciliani L, Street A (2012). Price adjustment in the hospital sector. A Reply. *Journal of Health Economics*, Vol 31(1): 323-325. Equal Contribution.
  61. Adesanya T, Gbolahan O, Ghannam O, Miraldo M, Patel B, Verma R, Wong H (2012). Exploring the responsiveness of public and private hospitals in Lagos, Nigeria. *Journal of Public Health Research*, Vol 1(1): 2-6. Equal Contribution.
  62. Galizzi, M, Miraldo M (2011). The effects of hospitals' governance on optimal contracts: Bargaining vs. contracting. *Journal of Health Economics*, Vol 30(2): 408-424. Equal Contribution.
  63. Miraldo M, Siciliani L, Street A (2010). Price adjustment in the hospital sector. *Journal of Health Economics*, Vol 30: 112-125 . Equal Contribution.
  64. Street A, Sivey P, Manson A, Miraldo M, Siciliani L (2010). Are Treatment Centres treating less complex patients? *Health Policy*, Vol 94 (2): 150-157.
  65. Willis-Owen CA, Brust K, Alsop H, Miraldo M, Cobb JP (2009). Unicondylar knee arthroplasty in the UK National Health Service: An analysis of candidacy, outcome and cost efficacy. *Knee*, Vol 16(6):473-8
  66. Mason A, Street A, Miraldo M, Siciliani L (2009). Should prospective payments be differentiated for public and private healthcare providers? *Health Economics, Policy and Law*, Vol 4: 383 – 403.
  67. Marini G, Miraldo M, Jacobs R, Goddard M (2008). Giving greater financial independence to hospitals: does it make a difference? The case of English NHS Trusts. *Health Economics*, Vol 17: 751 – 775. First Author.
  68. **Marini G., Miraldo M, Goddard M, Jacobs R**, (2007) Foundation Trusts in the NHS? Does more freedom make a difference? *Health Policy Matters*, Issue 13. First Author.

### Other

69. Greenhalgh T, Annandale E, Ashcroft R *et al*, (2016). An open letter to The BMJ editors on qualitative research. *BMJ*, Vol 352, ISSN:1756-1833. (Full author list available at <https://pubmed.ncbi.nlm.nih.gov/26865572/>)
70. Downey LE, Harris M, Jan S, Miraldo M, Peiris D, Buse Ket al., 2021, Global health system resilience is in everyone's interest., *BMJ*, Vol: 375, Pages: 1-2, ISSN: 1759-2151

## **OTHER PUBLICATIONS**

### *Reports*

1. Cruz-e-Silva F, Nunes DM, Carriço A et al. (2019). Disrupting the landscape: how the Portuguese National Health Service built an omnichannel communication platform. *Public health panorama*, 5 (2-3), 314-323. World Health Organization. Regional Office for Europe. <https://apps.who.int/iris/handle/10665/327063>. License: CC BY-NC-SA 3.0 IGO
2. Christen P, D'Aeth J, Lochen A, McCabe R, Rizmie D, Schmit N, Nayagam AS, Miraldo M, White P, Aylin P, Bottle R, Perez Guzman PN, Donnelly C, Ghani A, Ferguson N, Hauck K

- (2020). Report 15: Strengthening hospital capacity for the COVID-19 pandemic. Imperial College London. DOI: <https://doi.org/10.25561/78033>
3. Haw D, Forchini G, Christen P, Bajaj S, Hogan A, Winskill P, Miraldo M, White P, Ghani A, Ferguson N, Smith P, Hauck K (2020). Report 35: How can we keep schools and universities open? Differentiating closures by economic sector to optimize social and economic activity while containing SARS-CoV-2 transmission. Imperial College London. DOI: [10.25561/83928](https://doi.org/10.25561/83928)
  4. D'Aeth J, Ghosal S, Grimm F, Haw D, Koca E, Lau K, Moret S, Rizmie D, Deeny S, Perez Guzman P, Ferguson N, Hauck K, Smith P, Wiesemann W, Forchini G, Miraldo M (2020). Report 40: Optimal scheduling rules for elective care to minimize years of life lost during the SARS-CoV-2 pandemic: an application to England. Imperial College London. DOI: <https://doi.org/10.25561/84788>
  5. R McCabe, N Schmit, P Christen et al. (2020). Adapting hospital capacity to meet changing demands during the COVID- 19 pandemic. Imperial College London (15-06-2020). DOI: <https://doi.org/10.25561/79837>.
  6. Goiana F, Cruz-e-Silva D, Oom A, Nunes A, Gregorio M, Cordeiro T, Calhau C, Lopes C, Rito A, Miraldo M, Bento A, Darzi A, Araujo F (2020) The Portuguese sweetened beverages tax. In “Improving dietary intake and achieving food product improvement Policy opportunities and challenges for the WHO European Region in reducing salt and sugar in the diet”. World Health Organization, Europe Regional Office.
  7. “Anti-Microbial Resistance: Setting the Social Science Agenda”, Report of an ESRC Working Group.

#### *Thought Leadership Articles*

1. Miraldo M (2021). Realising the true value of health economics: <https://the-european.eu/story-25676/realising-the-true-value-of-health-economics.html>
2. Miraldo M (2021). Improving population health by reducing sugar consumption through fiscal policy: <https://www.imperial.ac.uk/business-school/faculty-research/our-research/research-impact/improving-population-health-reducing-sugar/>
3. Miraldo M (2021). How to make healthy eating easier: <https://www.imperial.ac.uk/business-school/ib-knowledge/health/how-make-healthy-eating-easier>.
4. Miraldo M (2021). Decision-making in healthcare: how to prioritise policies during a pandemic: <https://www.imperial.ac.uk/business-school/ib-knowledge/many-minds/decision-making-healthcare-how-prioritise-policies-during-pandemic>.
5. Aurino E, Olney J, Miraldo M, Watson K (2021). Coronavirus and obesity: two pandemics have met. <https://www.imperial.ac.uk/business-school/ib-knowledge/health/coronavirus-and-obesity-two-pandemics-have-met>
6. Hauck K, Miraldo M (2018). Why workplace breastfeeding policies work: <https://www.imperial.ac.uk/business-school/ib-knowledge/strategy-leadership/why-workplace-breastfeeding-policies-work>
7. Miraldo M (2017) Can we build a culture of innovation in healthcare? <https://www.imperial.ac.uk/business-school/ib-knowledge/health/can-we-build-culture-innovation-healthcare>
8. Miraldo M (2017). How to give innovation a boost in healthcare: <https://www.epmmagazine.com/pharmaceutical-industry-insights/how-to-give-innovation-in-healthcare-a-boost/>
9. Miraldo M (2017). New Homes for Old Drugs: <https://www.epmmagazine.com/pharmaceutical-industry-insights/new-homes-for-old-drugs/>



## **RESEARCH GRANTS**

- 2022 Economics of Pandemic Preparedness Funder: Citadel founder and CEO Kenneth C. Griffin, Amount: £6M. Role: **Co-Investigator (Co-I)**.
- 2022 Health Innovation Next Generation Payment & Pricing Models (HI-PRIX). Balancing Sustainability of Innovation with Sustainability of Health Care. Funder: European Commission, Horizon 2022 Amount: €5.2M. Role: **Co-Investigator (Co-I)**.
- 2021 NIHR Global Health Research Unit for Diabetes and Cardiovascular disease in South Asia. Funder: NIHR. Amount: £7M. Role: **Co-I**.
- 2021 Deadly Leadership. Funder: Imperial College Business School Seed funding. Amount: 12K. Role: **Co-I**.
- 2021 HEartS Professional: The Health, Economic and Social impact of COVID-19 on professionals in the ARTs. Funder: UKRI. Amount: £391K. Role: **Co-I**.
- 2021 The determinants of children nutritional choices & behavioural interventions for food behaviour change. Funder: LISS DTP CASE PhD studentship. Role: **Co-Applicant**.
- 2020 Development of methodology to develop pathways to improve nutritional health in low-income communities. Funder: Imperial College London - Strategic Priorities Fund Evidence- based policy making Seed Funding. Amount: £46K. Role: **Co-I**
- 2019 RARE2030 — a participatory foresight study for policy- making rare diseases. Funder: European Commission. Amount: £1.3M. Role: **Co-I**
- 2017 NIHR Global Health Research Unit in Cardiovascular disease and Diabetes. Funder: NIHR. Amount: £6,997,610. Role: **Co-I**
- 2015 Network and competition effects in the diffusion of innovation in the NHS. Funder: Health Foundation. Amount: £500K. Role: **Principal Investigator (PI)**
- 2017 HEARTS. The Health, Economic and Social impact of ARTS engagement. Amount: £1,011,370. Role: **Co-I**
- 2016 Development and launching of Exec Ed programmes in Health jointly with IESE BS, and Copenhagen BS. Funder: EIT Health. Amount: £20,000. Role: **Co-PI**
- 2015 The determinants of failure in anticancer drug development & the future anticancer pharmaceutical R&D landscape and product market launch. Funder: French Cancer Institute (INCA). Amount: €258 049. Role: **Co-I** for two working streams.
- 2014 WECARE, Towards a Sustainable and Affordable Healthcare. Funder: EC FP7 Amount: €499,690. Role: **Co-I** for Imperial College stream.
- 2014 Cancer Pathways. Funder: Health Foundation. Role: **Co-I**
- 2013 The impact of climate change on health, health care utilization, healthcare costs. Funder: Grantham Institute funding for a studentship.
- 2010 Prescription decisions and the demand for pharmaceuticals. Funder: Academy of Finland. Amount: €. 468,166. Role: **Co-I**
- 2009 NHS trusts performance indicators. Funder: Nuffield Trust. Amount: £12,000. Role: **Co-PI**
- 2005 Royal Economic Society Conference Grant
- 2004 Scholarship by the Calouste Gulbenkian Foundation
- 2000 PhD Scholarship. Funder: *Fundação para a Ciência e Tecnologia*

## **AWARDS**

- 2021 Nominated for the Outstanding PhD Supervision Academic Choice Awards, ICL
- 2020 Nominated for the Outstanding PhD Supervision Academic Choice Awards, ICL
- 2020 Elsie Widdowson Fellowship
- 2019 Julia Higgins Award on Diversity, ICL
- 2019 SACA Awards - Outstanding PhD Supervision at ICL
- 2016 António Arnaut Prize for the best contribution to health systems research.
- 2015 Prize for the best poster presented at APES
- 2015 Teaching Excellence Award for Innovation in Teaching
- 2015 Nominated for the President's Award for Excellence in Teaching
- 2015 Nominated for 3 Student Academic Choice Awards in the Best teaching for taught postgraduates and undergraduate category.
- 2015 Teaching award, BS
- 2014 Nominated for the Student Academic Choice Awards in the Best teaching for taught postgraduate category.
- 2013 Teaching award, BS
- 2008-2011 Research award, BS
- 2005 9<sup>th</sup> Conference of the Portuguese Association of Health Economics, Lisbon: *Awarded the Prize for the best article presented by a student*
- 2004 SIEP (Italian Public Economics Association) Conference, Pavia: *Awarded the Prize for the best article presented by a student in Public Economics*
- 2003 8<sup>th</sup> Conference of the Portuguese Association of Health Economics: *Awarded the Prize for the best article presented by a student*

## **TEACHING**

**Modules:** Health Systems Policy and Financing (MSc, MPH, Executive Education), Health Economics (undergraduate, MSc, MPH), Contemporary Topic in Healthcare (MSc, Executive Education), Biopharma (MBA), Research Methods (undergraduate), Microeconomics II (undergraduate), Industrial Economics (undergraduate), International Economic (undergraduate), Applied Economics (undergraduate).

**Performance** (average scores of last two years): 4.85 (out of 5). Performance Assessment on Teaching 5/5.

## **SERVICE** (sample in the last 5 years)

### **Internal (BS and ICL)**

- Associate Head of Department of Management, BS
- Member of the ICL Senate
- Chair of the Values Taskforce, BS
- Chair of the Diversity Committee, BS
- Chair of the Gender Equity Committee, BS
- Advisory Group of the Global Development Hub, ICL
- Member of the ICL AI Policy Programme – Regulation, Evaluation & Application
- Advisory Board of the ICL/ICHT Digital Strategy Partnership Board (DSPB)
- Academic Advisory Board to The Forum, ICL

- Strategic Board of the Centre for Translational Nutrition and Food Research, ICL
- Strategic Board of the Imperial College Vaccines initiative, ICL
- Steering Committee of the NIHR Global Health Research Unit for Cardiovascular Disease and Diabetes
- Academic Board of the Leonardo Centre, BS
- Advisory Board of the Design Studio, BS
- Research and Intellectual Footprint Taskforce, BS
- Faculty Performance Assessment Committee, BS
- Academic Leader on the development of Open Enrolment programmes in Health, BS
- Programme Director, Executive Health Innovation Management Programme, BS
- EIT Health (KIC) Campus leader for Executive Education, ICL
- Research Committee, BS
- MRes/PhD admissions, area leader and programme design, BS
- Health Policy Centre Seminar series organizer, BS
- Hiring Committees: Dean Search at the BS; Teaching Fellow in Diversity at the BS; Assistant Professor at the FoM/IGHI; Research Fellow at SPH; several open-rank hiring rounds at the BS Department of Economics and Public Policy.
- Postdoc Champion representative from the Business School for the Researcher Development Committee and for the Concordat Implementation and Planning Group.
- Contributed to the development of the BS EDI strategy and achievements for REF

#### **External University Service (Community and Government)**

- Associate Editor, Journal of Behavioral and Experimental Economics
- External examiner, London School of Economics
- Hiring Committee: Department of Economics, University of Cologne
- Grant Reviewer: ERC advanced and consolidator grant programmes; ESRC Programme Grants; Swiss National Science Foundation; NIHR fellowship program; NIHR Health Technology Assessment programme; NIHR and Service Delivery and Organisation Programme (SDO) grants; Medical Research Council Early Career Fellowship in Economics of Health; Actions de recherche concertées - Université Libre de Bruxelles
- Scientific Leader for the Portuguese Ministry of Health: leading an interventional national pilot on drug dispensing
- Founding member of the Behavioural Experiments in Health Network (BEH-Net)
- Vice President of APES – Portuguese Health Economics Association
- Conference organization:
  - Organized 2 workshops in Brussels as part of the WECARE project with several academic partners, European Commission, OECD, IBM, IMEC, Pfizer, Amgen, Philips, policy makers, etc.
  - Organized a conference in Gothenburg as part of the WECARE project with several academic partners, European Commission, OECD, IBM, IMEC, Pfizer, Amgen, Philips, policy makers, etc.
  - APES Workshop Organizer and President of the Scientific Committee
  - APES Conference President of the Scientific Committee
  - Scientific Committee of the European Health Economics Conference
  - Academy of Management Annual Conference (abstract reviewer)
  - International Young Economists Meeting (abstract reviewer)

- Health Economics Conference/Workshop of the Portuguese Health Economics Association, 2012, 2014, 2016
- Assessor for the Arbitration Committee for the "Initiative of Excellence", University of Toulouse
- Key expert, WHO Workforce toolkit
- ESRC expert panel on "Anti-Microbial Resistance: Setting the Social Science Agenda", Report of an ESRC Working Group
- Refereeing for academic journals: Nature, JAMA, Rand Journal of Economics; Journal of Public Economic Theory, Journal of Health Economics, Journal of Economic Surveys, Geneva Insurance Association Papers Series, Health Economics, *Notas Economicas*, Health Policy, International Journal of Industrial Organization, European Journal of Healthcare Financing

### **INVITED TALKS**

- 2023 **Invited Talk** Jameel institute annual symposium
- 2023 **Invited Talk** United Nations Economic and Social Council Partnership Forum
- 2023 **Invited Talk** CNRS
- 2022 **Invited Seminar**, Dep Economics University of Sheffield
- 2022 **Invited Seminar**, DIDE, SPH, ICL
- 2022 **Invited Talk**, WHO Public Health Leadership
- NOV 2021 **Invited Seminar**, University of Sheffield
- NOV 2021 **Invited Seminar**, University of Hamburg
- NOV 2021 **Invited Talk**, World Health Organization, Meeting of the Minds
- NOV 2021 **Invited Seminar**, University of Cambridge
- OCT 2021 **Invited Talk**, World Health Organization, Regional Office for Europe
- OCT 2021 **Invited Seminar**, Minho University
- OCT 2021 **Invited Talk**, Institute of Infection, Imperial College London
- JUL 2021 **Invited Talk**, Uphill Healthcare
- JUL 2021 **Invited Talk**, AI4Health - Regulation & Innovation Programme, ICL
- JUL 2021 **Invited Seminar**, CINCH, University of Essen
- JUN 2021 **Invited Seminar**, Interdisciplinary Innovation in healthcare institute, ULB
- JUN 2021 **Invited Seminar**, University of York
- JUN 2021 **Invited Seminar**, HERC, University of Oxford
- JUN 2021 **Invited Talk** - The Systemic Challenge panel, the Leonardo Centre
- MAY 2021 **Invited Seminar**, Bocconi University
- APR 2021 **Invited Seminar**, University of Luxembourg
- APR 2021 **Invited Seminar**, Universite Catholique de Louvain
- MAR 2021 **Invited Talk**, EURORDIS 31st ERTC Workshop
- MAR 2021 **Invited Seminar**, City University
- NOV 2020 **Invited Seminar**, Health Foundation
- JAN 2018 **Invited Talk** at Ideas Lab, **World Economic Forum, Davos**
- NOV 2017 **Invited Talk** at The Leadership Summit
- OCT 2016 **Plenary Speaker**, Vlerick HMC Healthcare Conference, Brussels
- OCT 2015 **Invited Inaugural Speech**, Nova University, School of Public Health

- MAY 2015 **Invited Leading Speaker**, Department of Health, UK
- NOV 2015 **Invited Talk** at URC Eco Île-de-France (AP-HP)
- SEP 2014 **Invited Talk** Hospinnomics Launch Event, Paris School of Economics
- JUN 2014 **Invited Discussant** for the Tiger Forum in Toulouse.
- JUN 2014 **Invited Discussant** - Workshop on technology development in a multidisciplinary environment in Paris organized by IMEC
- MAY 2014 **Invited Discussant** - Workshop on systems approach in Paris organized by IBM
- NOV 2013 **Inspirational Speaker**, 23rd Communications Congress, Information and Communication Technologies and New Media industry, APDC Portugal
- NOV 2012 **Invited Seminar**, Nova Business School
- Apr 2012 **Plenary Talk**, Health Cluster, Portugal
- Mar 2011 **Invited seminar**, HEC, Lausanne
- Jan 2011 **Invited seminar**, McGill, Montreal
- Nov 2010 **Invited seminar**, University of Zurich
- Nov 2010 **Invited seminar**, University of Aberdeen, Faculty of Medicine
- Jun 2010 **Invited talk**, ESRC Science Festival, University of Bristol
- May 2010 **Invited lecture**, Faculty of Medicine, Imperial College London
- May 2010 **Invited seminar**, London Health Economists Group
- Jan 2010 **Invited Seminar**, University of Oxford
- Nov 2009 **Invited Seminar**, Bocconi University, Italy
- Nov 2009 **Invited Seminar**, University of Leeds
- Oct 2009 **Invited Seminar**, University of Eastern Finland
- May 2009 **Invited Seminar**, Novartis Oncology and Nova University, Lisbon, Portugal
- Nov 2008 **Invited Seminar**, Health Econometrics and Data Group, University of York
- May 2008 **Invited Seminar**, Toulouse School of Economics
- Nov 2008 **Invited Seminar**, Tor Vergata University, Rome
- May 2008 **Invited Seminar**, Toulouse School of Economics, (GREMAQ)
- May 2008 **Invited Seminar**, INRA, Paris
- May 2008 **Invited Seminar**, Tanaka Business School, Imperial College, London
- May 2008 **Invited Seminar**, Department of Economics, Universite Libre de Bruxelles and Solvay Business School, Brussels
- Apr 2008 **Invited Talk**, Department of Economics and Crenos, Universita di Cagliari
- Mar 2008 **Invited Lecturer & Seminar**, Department of Economics, University of Brescia
- OCT 2007 **Invited Lecturer**, University of Brescia
- Nov 2005 **Invited Seminar** at ISEG, Technical University of Lisbon
- Jan 2004 **Invited Seminar** at DERS Internal Seminars, University of York

**Languages:** Portuguese (native speaker), Italian (fluent), English (proficient), French (basic), Spanish (basic)

**References:** upon request.