Imperial College London Imperial College Business School South Kensington Campus London, SW7 2AZ www.lauredepreux.com L.dePreux@imperial.ac.uk

POSITIONS	
From Aug 2024	Associate Professor
2016 – present	Assistant Professor (Lecturer) Business School, Economics & Public Policy Department, Imperial College London
2013 – 2016	Research Associate, British Academy Post-Doctoral Fellow Business School, Health Management Group, Imperial College London
2008 – 2013	Research Officer (part-time; RA in 2008-2011) Centre for Economic Performance, Innovation and Productivity & Wellbeing Groups London School of Economics and Political Science
OTHER APPO	INTMENTS & AFFILIATIONS
2024 – present	Research Fellow in the Climate Change and Environment programme of CEPR
2023 – present	Member of the World Health Organization (WHO) Technical Advisory Group (TAG) on Economics for Environment, Climate Change and Health
2022 – present	COMEAP/QUARK ad-hoc group on economic valuation of morbidity related to air pollution, UK Health Security Agency
QUALIFICATI	IONS
2017 – 2018	PG Cert in University Learning and Teaching Fellowship of the Higher Education Academy (FHEA) Imperial College London, London, United Kingdom
2006 – 2013	PhD in Economics (part-time) "Essays on the empirical modelling of the determinants of health and lifestyle" University of York, Centre for Health Economics, York, United Kingdom
2005 – 2006	MSc in Economics (with honours) Graduate Programme in Economics, Finance and Management (GPEFM) Universitat Pompeu Fabra, Barcelona, Spain
2001 – 2005	Master in Business (Licence, 4-year degree) HEC (Hautes Etudes Commerciales) University of Lausanne, Switzerland
TEACHING	
	Undergraduate
2016 – present	Module leader - Health Economics, Intercalated BSc, ICL BS
2018 - 2019	Module leader - Social Research Methods, Intercalated BSc, ICL BS
	Postgraduate
2019 – present	Module leader - Healthcare and Medical Analytics, Online MSc in Business Analytics, ICL BS
2018 - 2022	Module leader - Health and Environment, MSc in International Health Management, ICL BS
2016 – present	Module leader - Healthcare and Medical Analytics, MSc in Business Analytics, ICL BS
2015	Guest Lecturer in the MSc in Environmental Technology, ICL
2013 – 2014	Occasional Lecturer in the MSc Health Economics, Policy and Management, LSE

Masterclass "Decoding Health Factors: Environment, Behaviour, and Genetics" 1

Executive Education

2023 – present

PHD STUDENTS' SUPERVISION

2022 - present: Maxime Roche, Imperial College Business School (with Franco Sassi) 2021 – present: Prashant Garg, Imperial College Business School (with Ralf Martin)

2021 – present: Charlotte Desterbecq, Université Catholique de Louvain ("comité d'accompagnement") 2021 - present: Hassan Fawi, School of Public Health, Imperial College London (with Daniela Fecht)

Past: Dheeya Rizmie (2022), Imperial College Business School (with Marisa Miraldo)

"Essays on the Impact of the Environment on Healthcare & Health"

Internal PhD examiner (institution): Krystal Lau (Imperial College London), 2020 External PhD examiner (institution): Sahar Shafiei (RMIT University), 2023

Marion Leroutier (Paris School of Economics), 2021

RESEARCH GRANTS AND SCHOLARSHIPS

2024	LISS DTP PhD Studentship with Dr Bethan Davies "The impact of fiscal measures to support fuel and living costs on winter health in England: a nationwide analysis from 1997 to 2025" CO-I
2021	HS2 Health Impact Assessment, Skanska Venture (SCS Railways) - CO-I
2020	Imperial College COVID19 Research Fund "Adherence to COVID-19 social distancing
	measures: unequal opportunities?" (£32,791) - PI
2018	ESRC LISS DTP CASE Studentship "Estimation of the Health Care Costs Associated with Chronic
	Conditions in England", partner: Public Health England – CO-I
2018	Joint ESRC / EPSRC Impact Acceleration "Effective air pollution communication to encourage active
	transport and exposure reduction" – CO-PI
2017	Health Economics Commissioning Framework, Public Health England – "To estimate the cost of
	multi-morbidity across 11 medical conditions on the NHS" – CO-I
2017	"A robust assessment of the impact of short-term and local pollution variations on health outcomes" from
	The Academy of Medical Sciences Springboard – Health of the Public 2040, supported by the
	Wellcome Trust (£48,504) - PI
2016	Health Economics Commissioning Framework, Public Health England – "Estimation of costs to
	the NHS and social care due to the health impacts of air pollution" – CO-I
2014	BA/Leverhulme Small Research Grant, UK (£10,000) - PI
2013	British Academy Post-Doctoral Fellowship, UK (£333,011) - PI
2012	Royal Economic Society, UK – Conference Grant
2007	Ellis Hunter Teaching Fellow Scholarship from the University of York, UK
2007	Grant for Research from the University of Lausanne, CH
2006	Ellis Hunter Teaching Fellow Scholarship from the University of York, UK
2003	Erasmus Scholarship, CH

PRIZES

2018	Teaching Excellence Award for Undergraduate, ICL BS
2017	Teaching Excellence Award for PhD Supervision, ICL BS
2015	Erik Kempe Award in Environmental and Resource Economics, by the European Association of
	Environmental and Resource Economists, awarded every other year to the best paper in the field of
	environmental and resource economics

SERVICE TO PROFESSION

2023 – present	Equity, Diversity & Inclusion committee, Imperial College Business School
2022 – present	Member of the Clean Air Programme Task and Finish Group 'A Clean Air Community' organised
	by UKRI, the Met Office and the National Physical Laboratory
2021 – present	Board member of the Advanced Hackspace at Imperial College London
2019 - 2023	LSE external examiner (Executive MSc in Health Economics, Policy and Management)
2019 - 2021	Athena SWAN Athena SWAN Self-Assessment Team (framework to support and transform gender
	equality within higher education), Imperial College London

CONFERENCE ORGANISING

- 2018 Organised the Imperial Business in the City event focused on the Future of Connected Health, invited Dr Ali Parsa, Founder and CEO of Babylon Health
- 2017 Organised and co-chaired the annual Mobilising Business Conference series, Imperial College London, "Mobilising Business, Acting on Future Health" link

JOURNAL REVIEWING

American Economic Journal: Economic Policy, The British Medical Journal, BMC Public Health, Environmental and Resource Economics, Economics of Education Review, Global Environmental Change, Health Economics, International Journal of Health Care Finance and Economics, Journal of the Association of Environmental and Resource Economists, Journal of Health Economics, Journal of the European Economics Association, Journal of Environmental Economics and Management, Lancet Planetary Health, Social Science & Medicine, Sustainability

GRANT/CONFERENCE REVIEWS

- 2024 Scientific committee of the Annual Conf. European Association of Environmental and Resource Economists CEPR-NBB Joint Research Workshop on Reaching Net-Zero, National Bank of Belgium
- 2023 Scientific committee of the Annual Conf. European Association of Environmental and Resource Economists
- 2022 British Academy Knowledge Frontiers 2023
- 2019 NIHR Public Health Research Programme, for the MRC call "Invite Only - UKRI GCRF Health and Context Sept 2019", and for the British Academy "Knowledge Frontiers 2020"
- 2018 Visiting Fellowship scheme for the British Academy
- 2015 iHEA World Congress Scientific Committee (International Health Economics Association)
- 2012 ECHE Scientific Committee (European Conference on Health Economics)

CONSULTANCIES

- 2017 European Bank for Reconstruction and Development
- 2008 World Health Organization

AFFILIATIONS

2018 – present	Centre for Health Economics & Policy Innovation (CHEPI), Imperial College London
2008 – present	Grantham Institute for Climate Change and the Environment, London School of Economics
2015 - 2019	Harvard University, TH Chan School of Public Health

RESEARCH TEAM OUTSIDE IMPERIAL COLLEGE LONDON

2020 – present	Health, Labor and Environmental Regulation in Post-Industrial Europe (HEAL), University of
	Mannheim

2019 - present SPHR Network for Health Economics

INVITED SEMINAR. CONFERENCE AND WORKSHOP PRESENTATIONS

2024 CEPR-National Bank of Belgium Joint Research Workshop on Reaching Net-Zero, Brussels, BE

2023 NBER Decarbonizing Industrial Production Workshop, Boston, US

Invited speaker, Jameel Institute Symposium 'How to reduce the impact of climate change on health', UK Invited speaker "The Role of Managerial Practices in the Transition Towards Net Zero" at the 25th Congress of Economists, Charleroi, BE

Seminar, Office of Health Economics, London, UK

Seminar, Toulouse School of Economics, FR

Seminar, Health Economics and Policy group, School of Medicine, Imperial College London, UK

Royal Economic Society Annual Conference, Glasgow, UK

Invited speaker, Warwick Women in Economics, UK

Panel on Co-Benefits, Imperial College London Sustainability Week, UK

Seminar, OECD Health Division, Paris, FR

2022 Invited speaker to the dggö - Deutsche Gesellschaft für Gesundheitsökonomie e.V. "A Round-Up on Climate and Health", Essen, DE

Seminar, Leibniz Universität Hannover, DE

Panel, Labour Party Annual Conference, panel on behaviour change to achieve net zero (invited), Liverpool, UK Workshop on Atmospheric Transport and Economic Valuation of Air Pollution, University of Mannheim, DE

27th Annual Conference of the European Association of Environmental and Resource Economists, IT

Workshop in Environmental Economics Imperial College London - London School of Economics, UK

Panel on climate, environment and women's health, Imperial College London Cross-College Network of Excellence in Women's Health, UK

ZEW 10th Mannheim Conference on Energy and the Environment, DE

Seminar, NOVA-Lancaster Seminar Series: Health Economics & Policy, Lancaster University, UK Invited speaker, Human Sciences Symposium, UCL, UK

2021 16th End-of-Year Conference of Swiss Economists Abroad, CH

iHEA 14th World Congress in Health Economics, CH

Seminar, Grantham Research Institute on climate change LSE seminar, UK

ZEW SEEK Impacts of Environmental Regulation on Innovation and Firm Performance, Mannheim, DE ASHEcon Virtual Conference, DE

2020 ASHEcon Emerging Scholars: Socioeconomic Status, Health, and Exercise

2019 iHEA 13th World Congress in Health Economics, Basel, CH

Seminar, Shanghai Tech University, "Green Management in China", CN

Public Health Research and Science Conference, Public Health England (PHE), Manchester, UK

2018 13th End-of-Year Conference of Swiss Economists Abroad, ETH Zurich, CH

Pan European Evaluation of Climate Policies, Mannheim University, DE

'Health and Wellbeing on a Changing Planet' symposium at Imperial College London, UK

Annual Meeting of the New Champions 2018, World Economic Forum (WEF), Tianjin, CN

EuHEA - European Congress in Health Economics, Maastricht University, NL

"Expert workshop on the creation and uses of combined environmental and economic performance datasets at the micro-level", OECD, FR

Imperial Policy Workshop: Air Quality, Data Science Institute, Imperial College London, UK

2017 iHEA 12th World Congress in Health Economics, Boston University, US

Royal Economic Society annual conference, Bristol, UK

2016 Mobilising Business, Acting on Climate Conference, Imperial College Business School, UK

2015 iHEA 11th World Congress in Health Economics, Bocconi University, IT

21th Annual Conference of the European Association of Environmental and Resource Economists, FI *Co-winner of the Erik Kempe Award in Environmental and Resource Economics (biannual price)* Seminar, University of Bern, CH

CLS (Centre for Longitudinal Studies) Cohort Studies Research Conference 2015, London, UK

2014 "Rethinking Barker", The Essen Health Conference, DE

"Effects of Early Interventions on Child Health and Education", organised by the University of Surrey, UK Royal Economic Society annual conference, Manchester, UK

"Overallocation – a scourge of emission trading systems", organised by the Zurich Carbon Market Association, and Institute of Political Science, University of Zurich, CH

Seminar, King's College London, UK

SEMINAR, CONFERENCE AND WORKSHOP PRESENTATIONS (continued)

- 2012 EuHEA, European Congress in Health Economics, Zürich University, CH 4th Biennial Conference of the American Society of Health Economists, University of Minnesota, USA Conference on Sustainable Resource Use and Economic Dynamics (SURED 2012), ETH Zürich, Ascona, CH Wellbeing Seminar Series (seminar), Centre for Economics Performance, LSE, UK Applied Environmental Economics Conference, The Royal Society, London, UK PhD Seminar on Health Economics and Policy, Grindelwald, CH Seventh PhD Presentation Meeting with the Royal Economic Society, Queen Mary University of London, UK
- 12th National Health Economics Conference in Lisbon, PT
 18th Annual Conference of the European Association of Environmental and Resource Economists, IT
 16th Spring Meeting of Young Economists, University of Groningen, NL
 Health Econometrics and Data Group (HEDG) Seminar Series, University of York, UK
- 2010 Doctoral Workshop in Health Economics and Public Health, University of Lugano, CH 19th European Workshops on Econometrics and Health Economics, University of Lausanne, CH 3rd Biennial Conference of the American Society of Health Economists, Cornell University, USA Climate Change: Policy Evidence and Evaluation, University College London, UK
- 2009 11th National Health Economics Conference in Porto, PT Doctoral Workshop in Health Economics and Public Health, University of Lausanne, CH Health Econometrics and Data Group (HEDG) Seminar Series, University of York, UK
- 2008 Student Workshop, University of York, UK
- 2006 World Health Organization, Geneva, CH

WORKING PAPERS

"Does pollution disrupt sleep? Evidence from a pedestrianisation policy in Paris" with Dheeya Rizmie and Marisa Miraldo

"The Co-Pollution Impacts of Climate Policy: Evidence from the EU Emissions Trading Scheme" with Ulrich Wagner and Dana Kassem

"Public Health Impacts of Industrial Decarbonization" with Yixuan Gu, Daven K. Henze and Ulrich J. Wagner

"Adherence to COVID-19 social distancing measures: unequal opportunities?" with Jonathan Clarke, Dheeya Rizmie and Dominik Schindler

"Parenting Style and Obesity" with Alexa Segal and Marisa Miraldo

"Do individuals change their perception of transport after a negative informational shock? Evidence from the Volkswagen scandal" with Laila Ait Bihi Ouali and Daniel J. Graham

"Alerts and transport choices" with Sefi Roth and Goeun Lee

"How is climate fuelling the thirst for sweetness?" with Maxime Roche

PEER-REVIEWED PUBLICATIONS

Environmental and Health Economics

Yong Soo K., U J Wagner, P Shen, L de Preux, M Muûls, R Martin, and J Cao. Management Practices and Climate Policy in China, *Journal of the Association of Environmental and Resource Economists*. Forthcoming.

de Preux L, Rizmie D, Fecht D, Gulliver J, Wang W, 2023. Does it measure up? A comparison of pollution exposure assessment techniques applied across hospitals in England, *International Journal of Environmental Research and Public Health*, 20(5): 3852.

Rizmie, D, L de Preux, M Miraldo and R Atun, 2022. Impact of extreme temperatures on emergency hospital admissions by age and socio-economic deprivation in England. *Social Science & Medicine*, 308:115193.

Bloom C, L de Preux, A Sheikh, J Quint. 2020. Health and cost impact of stepping down asthma medication for UK patients, 2001–2017: A population-based observational study. *PLoS Medicine*, ISSN: 1549-1277.

Pimpin L, L Retat, D Fecht, L de Preux, F Sassi, J Gulliver, et al. 2018. Estimating the costs of air pollution to the National Health Service and social care: An assessment and forecast up to 2035. *PLoS Medicine* 15(7): e1002602.

Martin, R, L de Preux and U Wagner. 2014. The Impacts of a Carbon Tax on Manufacturing: Evidence from Microdata. *Journal of Public Economics*, 117:1-14.

Martin, R, M Muûls, L de Preux and U Wagner. 2014. On the Empirical Content of Carbon Leakage Criteria in the EU Emissions Trading Scheme. *Ecological Economics*, 105:78-88.

Martin, R, M. Muûls, L de Preux and U Wagner. 2014. Industry Compensation Under Relocation Risk: A Firm-Level Analysis of the EU Emissions Trading Scheme. *American Economic Review*, 104(8): 2482-2508.

• Won the Erik Kempe Award in Environmental and Resource Economics

Martin, R, M Muûls, L de Preux and U Wagner. 2012. Anatomy of a Paradox: Management Practices, Organizational Structure and Energy Efficiency. *Journal of Environmental Economics and Management*, 63(2):208-223.

de Preux, L. 2011. Anticipatory Ex Ante Moral Hazard and the Effect of Medicare on Prevention. *Health Economics*, 20(9): 1056-1072.

Environment and Public Health

Lambourg E, C Siani, L de Preux. 2022. Use of a high-volume prescription database to explore health inequalities in England: assessing impacts of social deprivation and temperature on the prescription volume of medicines. *Journal of Public Health*. 30: 2231–2242.

Riley R, L de Preux, P Capella, C Mejia, Y Kajikawa, and A de Nazelle, 2021. How do we effectively communicate air pollution to change public attitudes and behaviours? A review. *Sustainability Science* 16(6).

Fecht D, CE Sheridan, CJ Roscoe, J Gulliver, and **L de Preux**, 2019. Inequalities in exposure to nitrogen dioxide in parks and playgrounds in Greater London. *International Journal of Environmental Research and Public Health*, 16: 1-11.

de Preux LB, Rizmie D, 2018. Beyond financial efficiency to support environmental sustainability in economic evaluations. *Future Healthcare Journal*, 5: 103-107.

PEER-REVIEWED PUBLICATIONS (continued)

Medicine

Satheeskaran, M. A Hussan, A Anto, L de Preux. 2023. Cost-Effectiveness Analysis of Antibiotic Prophylaxis versus No Antibiotic Prophylaxis for Acute Cholecystectomy. *BMJ Open Gastroenterology*, 10(1).

Sheikh Y, Asunramu H, Low H, Gakhar D, Muthukumar K, Yassin H, **de Preux L**, 2022. A Cost-Utility Analysis of Mesh Prophylaxis in the Prevention of Incisional Hernias following Stoma Closure Surgery. *International Journal of Environmental Research and Public Health*. 19: 13553.

Patel N, N Yung, G Vigneswaran, L de Preux, D Maclean, M Harris, B Somani, T Bryant, N Hacking, and S Modi, 2021. 1-year cost-utility analysis of prostate artery embolization (PAE) versus transurethral resection of the prostate (TURP) in benign prostatic hyperplasia (BPH). *BMJ surgery, interventions, & health technologies* 3(1).

Behranwala R, N Aojula, A Hagana, N Houbby and L de Preux, 2021. An economic evaluation for the use of decompressive craniectomy in the treatment of refractory traumatic intracranial hypertension. *Brain Injury* 35(4).

Shabir H, S Hashemi, M Al-Rufayie, T Adelowo, U Riaz, U Ullah, B Alam, M Anwar, and L de Preux, 2021. Cost-Utility Analysis of Oxybutynin vs. OnabotulinumtoxinA (Botox) in the Treatment of Overactive Bladder Syndrome. *International Journal of Environmental Research and Public Health*, 18(16).

Ali A, Z Mobarak, M Al-Jumaily, M Anwar, Z Moti, N Zaman, A Reza Akbari, and **L de Preux**, 2021. Cost-Utility Analysis of Antibiotic Therapy versus Appendicectomy for Acute Uncomplicated Appendicitis. *International Journal of Environmental Research and Public Health* 18(16).

NON-REFEREED PUBLICATIONS AND BOOK CHAPTERS

de Preux, L. 2023, The Role of Managerial Practices in the Transition Towards Net Zero, 2023, in Cantillon, E. S. Brunet, J. Eyckmans, A. Gautier, M. Muûls, F. Venmans (eds), Réussir la transition vers une économie zéro carbone, Editions de l'Université Ouverte (publication <u>forthcoming</u>).

de Preux, L., 2022. Winter of discontent? How extreme temperatures in England expose inequalities in hospital use. Forbes.

de Preux L, Rizmie D, 2021, How is the healthcare sector dealing with climate change?, *Economics Observatory*, Vol: 2021, <u>link</u>.

Ulrich J Wagner, Dana Kassem, Andreas Gerster, Jurate Jaraite, Marit E Klemetsen, Marita Laukkanen, Ralf Martin, Jakob Roland Munch, Mirabelle Muûls, **Laure de Preux**, Knut Einar Rosendahl, Sandra Schusser, 2020. Carbon Footprints of European Manufacturing Jobs: Stylized Facts and Implications for Climate Policy, Discussion Paper Series – CRC TR 224, Universität Mannheim.

Adomako-Mensah V, Belloni A, Blawat A, **de Preux L**, Green E, Jaccard A, Retat L, Sassi F, Thiebault S, Webber L, 2020, The health and social care costs of a selection of health conditions and multimorbidities, *Public Health England Publications*.

de Preux Gallone LB, Sassi F, 2018, Chapter 5 Economics of Pollution Interventions, Chief Medical Officer annual report 2017: health impacts of all pollution – what do we know?, *Publisher: Department of Health and Social Care*, 5.

de Preux, L. The Parent Trap. 2014. ESRC Britain in 2015:98-99.

Martin, R., L. de Preux and U. Wagner. 2012. The polluter-doesn't-pay principle. CEP Centre Piece 369.

Anderson B., J. Leib, R. Martin, M. McGuigan, M. Muûls, **L. de Preux** and U. Wagner. 2011. Climate Change Policy and Business in Europe: Evidence from interviewing managers. *CEP Occasional Paper* No. 27.

MEDIA COVERAGE OF RESEARCH

Pollution and environmental policies

On carbon leakage and optimal permit allocation: Articles in The New York Times (<u>link</u>), La Libre (<u>link</u>), and Science (<u>link</u>).

Inequalities in pollution exposure: Website co-created on air pollution exposure in Central London, based on our research, coverage in Daily Mail (link), Evening Standard (link), the Telegraph (link), and the Times (link). Interviewed on the BBC on 10.10.2019, Lewis Davey (blog).

Determinants of health

Parenting and child behaviour: Articles in the Daily Telegraph (<u>link</u>) and further picked up again by Rowan Pelling (<u>link</u>), in the Daily Mail (<u>link</u>), in the British Psychological Society (<u>link</u>), in the Schools Improvement Net (<u>link</u>), and in the Finchannel (<u>link</u>). I was interviewed on BBC Scotland (08.04.2014), on LBC (interviewed by Julia Hartley-Brewer, 08.04.2014), on Newstalk radio station in Ireland (interviewed on 21.04.2014), and on BBC – radio 4 (22.04.2014).

Parenting and child obesity: Articles in the Independent IE (link), The Guardian (link), The Herald Scotland (link), Yahoo News (link), Daily Mail (link), Fortune USA (link), 9 Breaking News Australia (link), The New York Daily Paper (link), Fox 10 Phoenix (link), The Washington Post (link), The Telegraph (link), The Week (link), and various Yahoo articles, as well as in OnMed (Greece), Gossip Rodos (Greece), MediaFax and NewsList (Romania), Qbebe (Romania), Kosmo (online Malaysia), Oxtero (France), Les Actualities (France), Espanol News (Spain), Mega Arsiv (Turkey), hdfilmkeyfi.net (megaarsiv.com), Pehal News (India), eNews (Nigeria), News Net Daily (NND, USA), Diabetes, Sohu (China), CNXK (China), Xiaokang Net, Medical, Siakap Keli (Malaysia), Science News, CognitiveScNews, Aawsat (daily Arabic newspaper), Fox6 (USA), Fox5 (USA), BBC World Service, KoriMedi (Korea).

Pollution and health impacts

World Economic Forum (<u>video link</u>), promoting the Paint London Green Campaign (minute 9.30 <u>video link</u>), CGTN (link), Mirror (link), Evening Standard (link), The Times (link).

OTHERS

2021 - present Committee member of The Friends of the Verbier Festival Association (classical music), CH

PERSONAL

Swiss, married, three children (2012, 2014, 2015)

Leave of absence: 3 maternity leaves; 6-month medical leave in 2021/22 following surgeries;

80% FTE Sept 22 - Feb 23.

Language skills: French (native), English (fluent), German (intermediate), Spanish (basic).