Paolo Vineis - CV
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SUMMARY OF ACHIEVEMENTS

H-index 171 (Google scholar), 133,000 citations. In the top 20 most cited Imperial College scientists https://www.adscientificindex.com/scientist.php?id=1234419

Professor PaoloVineis is a leading researcher in the fields of molecular epidemiology and non-communicable diseases (NCD). He is Chair of Environmental Epidemiology at Imperial College, London. His latest research activities focus on investigating biomarkers from omic platforms (including metabolomics and epigenetics) in large epidemiological studies. He is also leader of investigations on climate change and health in low-income countries. He has more than 1,100 publications (many as leading author) in journals such as Nature, Science, Lancet, Lancet Oncology. He is a member of various international scientific and ethics committees (including the Committee of the US National Academy of Sciences on 21st Century Risk Assessment) and vice-chair of the Ethics Committee at the International Agency for Research on Cancer (IARC, WHO). Professor Vineis has extensive experience in leading international projects. He has coordinated the European Commission FP7-funded Exposomics project and the Horizon 2020-funded project Lifepath. He leads the Exposome and Health theme of the MRC-PHE Centre for Environment and Health at Imperial College (http://www1.imperial.ac.uk/medicine/people/p.vineis). He has published several books including "Health without borders: epidemics in the era of globalization". Springer, 2017. He is engaged in policy-making as Vice-President of the High Council of Health (Consiglio Superiore di Sanita', advisor to the Health Minister) in Italy, and as a member of Cancer Prevention Europe (affiliated with Cancer Mission Europe).
In 2020 he has been an advisor of the Piedmont Region for COVID-19 and has contributed to the development of mathematical models and containment policies (see Saltelli et al, Nature 2020).

Evidence of experience in research, development and technical knowledge deployed in a business/commercial environment: I am Scientific Director of the Regenerative Society Foundation, a foundation of private enterprises and banks (including Lombard Odier, Mutti, Illy and others), whose aim is to test models of circular economy and develop evaluation tools.

EDUCATION

1976	MD Medicine, University of Torino
1979	PhD in Occupational Health, University of Torino

PROFESSIONAL EXPERIENCE

1984-1990	Adjunct Professor of Epidemiology, Post-doctoral School of Biometrics and Medical Statistics, University of Milano
1998-2011-	Associate Professor of Biostatistics, Faculty of Medicine, University of Torino
1999–2010	Head, Section of Epidemiology and Life Sciences, Foundation "Institute for Scientific Interchange"(ISI),Torino
2001-now	Adjunct Professor of Epidemiology, J Mailman School of Public Health, Columbia University, New York
2004-now	Chair of Environmental Epidemiology, Imperial College, London, UK
2010-2021	Head, Molecular and Genetic Epidemiology Unit, Human Genetics Foundation (HuGeF), Torino
2019-2022	Visiting Professor, Italian Institute of Technology

SELECTED GRANTS (FROM MOST RECENT)

2018-2022 *STOP - Science and Technology in childhood Obesity Policy,* European Commission (co-PI) (£378,305)

2019 -2021 *Colt – Are unstable jobs such as the growing "gig economy" associated with biological age acceleration? The Colt Foundation (principal* investigator) (£184,249)

2015-2019 *Lifepath – Socio-economic status, omics and ageing*; European Commission (principal investigator) (€ 5,990,000)

2014-2016 *Epigenair – Methylation and air pollution*; European Commission (principal investigator) (€ 230,000)

2012-2016 *Exposomics - Environmental exposures and omics in Europe*; European Commission (principal investigator) (€ 8,740,000)

2012-2017 *Towards personalised cancer care: circulating nucleic acids for early detection and monitoring of breast cancer*; Cancer Research UK (co-investigator) (£ 1,314,013)

2010-2012 *Molecular Epidemiology of Cancer, including epigenetics;* Compagnia di San Paolo, Torino, HuGeF Foundation (principal investigator) (€ 998,000 over 5 years)

2010-2013 *Transphorm - Air pollution mitigation in Europe*; European Commission (co-investigator) (€ 244,000)

2009-2012 *EnviroGenoMarkers - Biomarkers in environmental cancer*; European Commission (co-investigator) (€ 437,000)

2008-2012 *ESCAPE Burden of air pollution related diseases in Europe*; European Commission (co-investigator) (€ 420,000)

Ten representative publications

Raaschou-Nielsen O, (…) Vineis P, Hoek G. Air pollution and lung cancer incidence in 17 European cohorts: prospective analyses from the European Study of Cohorts for Air Pollution Effects (ESCAPE). Lancet Oncol. 2013 Aug;14(9):813-22.

Shenker NS, Ueland PM, Polidoro S, van Veldhoven K, Ricceri F, Brown R, Flanagan JM, Vineis P. DNA methylation as a long-term biomarker of exposure to tobacco smoke. Epidemiology. 2013 Sep;24(5):712-6.

Vineis P, Wild CP. Global cancer patterns: causes and prevention. Lancet. 2014 Feb 8;383(9916):549-57.

Chadeau-Hyam M, Tubert-Bitter P, Guihenneuc-Jouyaux C, Campanella G, Richardson S, Vermeulen R, De Iorio M, Galea S, Vineis P. Dynamics of the risk of smoking-induced lung cancer: a compartmental hidden Markov model for longitudinal analysis. Epidemiology. 2014 Jan;25(1):28-34.

Fasanelli F, Baglietto L, (…) Vineis P. Hypomethylation of smoking-related genes is associated with future lung cancer in four prospective cohorts. Nat Commun. 2015 Dec 15;6:10192. doi: 10.1038/ncomms10192.

Fiorito G, (…) Vineis P. Social adversity and epigenetic aging: a multi-cohort study on socioeconomic differences in peripheral blood DNA methylation. Sci Rep. 2017 Nov 24;7(1):16266. doi: 10.1038/s41598-017-16391-5.

Vineis P, Chatziioannou A, Cunliffe VT, Flanagan JM, Hanson M, Kirsch-Volders M, Kyrtopoulos S. Epigenetic memory in response to environmental stressors. FASEB J. 2017 Mar 9. pii: fj.201601059RR. doi: 10.1096/fj.201601059RR..

van Veldhoven K, (…) Vineis P. Impact of short-term traffic-related air pollution on the metabolome - Results from two metabolome-wide experimental studies. Environ Int. 2019 Feb;123:124-131. doi: 10.1016/j.envint.2018.11.034. Epub 2018 Dec 3.

Vineis P. Public Health and Independent Risk Assessment. Am J Public Health. 2019 Jul;109(7):978-980. doi: 10.2105/AJPH.2019.305142.

Saltelli A., (…) Vineis P. Five Ways to ensure that models serve society: a manifesto. Nature. 2020 Jun;582(7813):482-484. doi: 10.1038/d41586-020-01812-9.