

JOHN P.A. IOANNIDIS

Short biosketch, April 2025

Professor of Medicine, Professor of Epidemiology and Population Health, and Professor (by courtesy) of Biomedical Data Science at the School of Medicine; co-Director, Meta-Research Innovation Center at Stanford (METRICS). My work aims to improve research methods and to enhance approaches to integrating information and generating reliable evidence. Science is the best thing that can happen to humans, but doing research is like swimming in an ocean at night. Science thrives in darkness.

Born in New York City in 1965 and raised in Athens, Greece. Valedictorian (1984) at Athens College; National Award of the Greek Mathematical Society (1984); MD (top rank of medical school class) from the National University of Athens in 1990; also received DSc in biopathology from the same institution. Trained at Harvard and Tufts-New England Medical Center (internal medicine, Infectious diseases), then held positions at NIH, Johns Hopkins and Tufts. Chaired the Department of Hygiene and Epidemiology, University of Ioannina Medical School in 1999-2010 while also holding adjunct professor positions at Harvard School of Public Health (epidemiology), Tufts (medicine, also Director of the Center for Genetic Epidemiology and Modeling in 2008-2010), and Imperial College (epidemiology and biostatistics). Moved to Stanford in 2010, initially as Director/C.F. Rehnborg Chair at Stanford Prevention Research Center, then diversified with appointments in 4 departments and membership in 8 centers/institutes at Stanford. Launched the PhD program in Epidemiology & Clinical Research and the MS program in Community Health & Prevention Research. Launched METRICS at Stanford in 2014, a center that has gained wide international recognition and that has become the epicentre of a large international network of researchers interested in studying and improving research practices.

Member of executive board of the Human Genome Epidemiology Network and Senior Advisor on Knowledge Integration at NCI/NIH (2012-6). Served as President, Society for Research Synthesis Methodology, and as editorial board member of many leading journals (including PLoS Medicine, PLoS Biology, Lancet, Annals of Internal Medicine, JNCI, Science Translational Medicine, Clinical Chemistry, Molecular and Cellular Proteomics, AIDS, IJE, JCE, Clinical Trials, PLoS ONE, Royal Society Open Science, Research Integrity and Peer Review, Physiological Reviews among others) and as Editor-in-Chief of the European Journal of Clinical Investigation (2010-2019). President (2023-2024) of the Association of American Physicians, the most prestigious honorific society for physician-scientists (also serving as Vice President and President Elect for 2022-2023). Delivered approximately 800 invited and honorary lectures. Recipient of many awards (e.g. European Award for Excellence in Clinical Science [2007], Medal for Distinguished Service, Teachers College, Columbia University [2015], Chanchlani Global Health Award [2017], Epiphany Science Courage Award [2018], Einstein fellow [2018], Gordon award for epidemiology at NIH [2019], Albert Stuyvenberg Medal [2021], inaugural Harwood Prize for Intellectual Courage [2022], European Research Agency chair holder [2023], Blake Award, Association of American Physicians [2024], Founders' Medal for Lifelong Contributions to Meta-Science, Meta-Analysis of Economics Research Network (MAER-Net) [2024]. Inducted in the Association of American Physicians (2009), European Academy of Cancer Sciences (2010) American Epidemiological Society (2015), European Academy of Sciences and Arts (2015), US National Academy of Medicine (2018), Academy of Sciences of the Institute of Bologna (2020). Honorary titles from FORTH (2014) and University of Ioannina (2015) and honorary doctorates from Erasmus University Rotterdam (2015) University of Athens (2017), University of Tilburg (2019), University of Edinburgh (2021) Aristotle University of Thessaloniki (2023), and McMaster University (2024). Multiple honorary lectureships/visiting professorships (Caltech, Oxford, LSHTM, Yale, U Utah, U Conn, UC Davis, U Penn, Wash U St. Louis, NIH, UCLA, UCSD, Cedars Sinai among others). Author of 10 literary books (9 in Greek and 1 in English), three of which ("Toccata for the Girl with the

Burnt Face” (Kedros 2012), “Variations on the Art of the Fugue and a Desperate Ricercar” (Kedros 2014), and “Meta-A-Physics” (Kedros, 2018)) were shortlisted for best book of the year Anagnostis awards. Inducted as corresponding member in the Hellenic Authors’ Society. Wrote libretti for 4 operas.

The PLoS Medicine paper on “Why most published research findings are false” has been the most-accessed article in the history of Public Library of Science (over 3.2 million hits) and the most used technical article in Mendeley across all science. The database of science-wide composite citation indicators (<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/7>) has been accessed 4 million times. Brave Thinker scientist for 2010 according to Atlantic, “may be one of the most influential scientists alive”. Highly Cited Researcher according to Clarivate in three scientific fields (Clinical Medicine, Social Sciences, Psychology/Psychiatry). Citation indices: h=270, m=9 per Google Scholar (h=200 per WoK and Scopus). Current citation rates: ~6,000 new citations per month per Google Scholar, ~3,000 new citations per month per Scopus or Web of Knowledge (among the 6 living scientists worldwide who are currently the most commonly cited, perhaps also the currently most-cited physician). When contrasted against my vast ignorance, these values offer excellent proof that citation metrics can be horribly unreliable. I have no personal social media accounts - I admire people who can outpour their error-free wisdom in them, but I make a lot of errors, I need to revisit my writings multiple times before publishing, and I see no reason to make a fool of myself more frequently than it is sadly unavoidable. I consider myself privileged to have learned and to continue to learn from interactions with students and young scientists (of all ages) from all over the world and I love to be constantly reminded that I know next to nothing.

Detailed CV, April 2025

John P.A. Ioannidis, MD, DSc

Professor of Medicine

Professor of Epidemiology and Population Health

Professor (by courtesy) of Biomedical Data Science

Stanford University School of Medicine

Co-Director, Meta-Research Innovation Center at Stanford (METRICS)

Member, Stanford Cancer Institute

Member, Stanford Cardiovascular Institute

Member, Stanford Bio-X

Member, Stanford Diabetes Research Center

Affiliate, Stanford Center on Longevity

Affiliated faculty, Woods Institute for the Environment

Member, Stanford Center for Population Health Sciences

Faculty Fellow, Stanford Center for Innovation in Global Health

Founding director and currently committee member, PhD program in Epidemiology and Clinical Research, Stanford University

Course director for courses MED73N (undergraduate), STATS211/MED206/HRP206/CHPR206 (medicine and statistics), COMPLIT208 (comparative literature)

WEB:

Stanford – personal profile: med.stanford.edu/profiles/John_Ioannidis

SPRC/Medicine: prevention.stanford.edu/

METRICS: metrics.stanford.edu, metaresearch.stanford.edu

Google Scholar: <http://scholar.google.com/citations?hl=en&user=A9e6sPYAAAAJ>

BACKGROUND

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EDUCATION

Undergraduate:

Athens College, Athens, Greece (1984). Valedictorian, rank number 1 in my class

Medical degree:

University of Athens, Athens, Greece, M.D. (1990). Grade: Excellent, rank number 1 in my class

Residency:

Internal Medicine, New England Deaconess Hospital, Harvard Medical School, Boston, MA, USA 1990-3.

Fellowship:

Infectious Diseases, New England Medical Center Hospitals, Tufts University School

of Medicine, Boston, MA, USA 7/93-6/96 (concurrently doing research at the Division of Clinical Care Research, subsequently Institute for Clinical Research and Health Policy Studies).

Doctoral thesis: Department of Biopathology, University of Athens School of Medicine (“Development of human brain cultures, isolation of microglial cells and study of their infection with HIV-1”) – DSc Grade: Excellent, defended and awarded in 1996.

CURRENT APPOINTMENTS

2010-	Professor of Medicine, Stanford Prevention Research Center, Stanford University School of Medicine, Stanford, USA (appointed 8/2010)
2010-	Member, Stanford Cancer Institute
2010-	Member, Stanford Cardiovascular Institute
2011-	Professor of Health Research and Policy, Stanford University School of Medicine (joint appointment), Professor of Epidemiology and Population Health (after renaming of department, 2019-)
2011-	Affiliated faculty, Woods Institute for the Environment
2013-	Affiliate, Stanford Center on Longevity
2013-	Co-Director, Meta-Research Innovation Center at Stanford (METRICS)
2013-	Founding Program Director (2013-2019) and member of program committee (2019-), PhD in Epidemiology and Clinical Research, Stanford University
2015-	Member, Stanford Center for Population Health Sciences
2015-	Faculty Fellow, Stanford Center for Innovation in Global Health
2016-	Member, Stanford Bio-X
2017-	Professor of Biomedical Data Science, Stanford University School of Medicine (courtesy appointment)
2018-	Member, Stanford Diabetes Research Center

PAST APPOINTMENTS AND TITLES

1990-3	Clinical Fellow in Medicine, Harvard Medical School, Boston, Massachusetts, USA
1993-6	Clinical and Research Fellow, New England Medical Center Hospitals, Tufts University School of Medicine, Boston, Massachusetts, USA
1996-8	Medical Officer, HIV Research Branch, Division of AIDS, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, Maryland, USA (career position; responsible for the co-ordination, design, support and medical monitoring of NIAID-sponsored clinical trials of HIV therapeutics research with emphasis on concept trials, large trials and community trials)
1996-8	Assistant Professor of Medicine (part-time), Infectious Diseases, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA
1996-8	Assistant Professor of Medicine (adjunct), Department of Medicine, Tufts University School of Medicine, Boston, Massachusetts, USA
1996-8	Associate Medical Staff, Johns Hopkins Hospital, Baltimore, Maryland, USA. Attending, HIV Clinic
1998-2001	Associate Professor of Medicine (adjunct), Department of Medicine, Tufts University School of Medicine, Boston, Massachusetts, USA
2002-	Professor of Medicine (adjunct), Department of Medicine, Tufts University School of Medicine, Boston, Massachusetts, USA. Since 10/2008, Director of the Genetics/Genomics component of the Tufts Clinical and Translational Science Institute (2008-2010) and of the Center for Genetic Epidemiology and Modeling, Institute for Clinical Research and Health Policy Studies, Tufts Medical Center,

1998-2003	Boston, USA. Adjunct Professor, Tufts Clinical and Translational Science Institute. [Elected 5/98], Associate Professor (tenured) and Chairman, Department of Hygiene and Epidemiology, University of Ioannina School of Medicine, Ioannina, Greece
2003-2010	[Elected 12/2003], Professor (tenured) and Chairman, Department of Hygiene and Epidemiology, University of Ioannina School of Medicine, Ioannina, Greece
2010-	Professor of Epidemiology (adjunct), Harvard School of Public Health, Boston, USA
2010-2014	Visiting Professor of Epidemiology and Biostatistics, Imperial College London, UK
2010-2016	Division chief, Department of Medicine, Stanford University School of Medicine
2010-2020	C.F. Rehnborg Chair in Disease Prevention (Director's chair for Stanford Prevention Research Center, Stanford University School of Medicine)
2011-2024	Professor of Statistics, Stanford University School of Humanities and Sciences (courtesy appointment)