

## JOHN P.A. IOANNIDIS

### Short bioetch, January 2010

John P.A. Ioannidis was born in New York, NY in 1965 and grew up in Athens, Greece. He was Valedictorian of his class (1984) at Athens College and won a number of early awards, including the National Award of the Greek Mathematical Society, in 1984. He graduated in the top rank of his class from the School of Medicine, University of Athens, in 1990 and earned a doctorate in biopathology (1996). He trained at Harvard and Tufts, specializing in Internal Medicine and Infectious Diseases, and has held appointments at NIH, Johns Hopkins University School of Medicine, Tufts University School of Medicine, and Harvard School of Public Health. He has been chairing the Department of Hygiene and Epidemiology at the School of Medicine, University of Ioannina, Greece, since 1999 (a tenured professor since 2003). He has been adjunct faculty for the Tufts University School of Medicine since 1996, with the rank of professor since 2002. Since 2008 he has been leading the Genetics/Genomics component of the Tufts Clinical and Translational Science Institute (CTSI) and the Center for Genetic Epidemiology and Modeling (CGEM) of the Tufts Institute for Clinical Research and Health Policy Studies at Tufts Medical Center. He is also adjunct professor of epidemiology at the Harvard School of Public Health (appointment active as of January 2010). Dr. Ioannidis is a member of the executive board of the Human Genome Epidemiology Network, President of the Society for Research Synthesis Methodology, a member of the editorial board of 26 leading international journals (including PLoS Medicine, Lancet, Annals of Internal Medicine, Journal of the National Cancer Institute, AIDS, International Journal of Epidemiology, Journal of Clinical Epidemiology, Clinical Trials, Cancer Treatment Reviews, Open Medicine, and PLoS ONE, among others) and Editor-in-Chief of the European Journal of Clinical Investigation for the period 2010-2014. He has given more than 200 invited and honorary lectures. His publication record includes over 400 peer-reviewed papers, over 40 books and book chapters, and several other writings, and he has already received approximately 20,000 citations in the literature with Hirsch indices  $h=71$ ,  $m=4.4$  per GoogleScholar as of 1/2010. He has received several awards, including the European Award for Excellence in Clinical Science for 2007, and was elected a regular member of the Association of American Physicians in 2009. His 2005 paper in PLoS Medicine, "Why most Published Research Findings are False," has been the most-downloaded article in the history of Public Library of Science and has been described by the Boston Globe as an instant cult classic. His work combines skills in clinical research methodology and evidence-based medicine with the challenges of current molecular medicine and genomics.

### Detailed CV, January 2010

#### TITLE

Professor and Chairman, Department of Hygiene and Epidemiology,

University of Ioannina School of Medicine, Ioannina, Greece

Professor of Medicine (adjunct), Department of Medicine

Tufts University School of Medicine, Boston, USA

Professor of Epidemiology (adjunct), Harvard School of Public Health, Boston, USA

## ADDRESS

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Web (Harvard): <http://www.hsph.harvard.edu/faculty/john-ioannidis/>

## BACKGROUND

- \* Born 8/21/1965 IN New York, NY, USA; married to Despina Contopoulos-Ioannidis, MD (pediatrician, faculty at U Ioannina and George Washington U); children: one daughter (Angelica Diotima)
- \* Citizenships: Greece/European Union and USA.
- \* Languages: Greek, English, French, German, and Italian.

## 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, currently 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.

#### APPOINTMENTS

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-ACTIVE 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 and of the Center for Genetic Epidemiology and Modeling, Institute for Clinical Research and Health Policy Studies, Tufts Medical Center, Boston, USA.
- 1998-2003 [Elected 5/98], Associate Professor (tenured) and Chairman, Department of Hygiene and Epidemiology, University of Ioannina School of Medicine, Ioannina, Greece
- 2003-ACTIVE [Elected 12/2003], Professor (tenured) and Chairman, Department of Hygiene and Epidemiology, University of Ioannina School of Medicine, Ioannina, Greece
- 2010-ACTIVE [1/2010-6/2014], Professor of Epidemiology (adjunct), Harvard School of Public Health, Boston, USA

#### PEER-REVIEWED PUBLICATIONS IN INTERNATIONAL JOURNALS

1. *Ioannidis JPA, Samarel MD, Lau J, Drapkin MS.* Risk of gastrointestinal bleeding from dexamethasone in children with bacterial meningitis (letter). **Lancet** 1994, 343:792.
2. *Ioannidis JPA, Iacoviello VR, Samore MH.* Insulin-dependent diabetes in AIDS. **AIDS** 1994, 8:556-7.
3. *Ioannidis JPA, Snyderman DR, Robrer RJ, Freeman RB, Haug CE.* Aspergillus fumigatus infection in a biloma (letter). **Clinical Infectious Diseases** 1995, 20:1427-8.
4. *Ioannidis JPA, Cappelleri JC, Lau J, Skolnik PR, Melville B, Chalmers TC, Sacks HS.* Early or deferred zidovudine in HIV-infected patients without an AIDS-defining illness. A meta-analysis. **Annals of Internal Medicine** 1995, 122:856-66.
5. *Ioannidis JPA, Skolnik PR, Chalmers TC, Lau J.* Human leukocyte antigen associations of epidemic Kaposi's sarcoma. **AIDS** 1995, 9:649-51.

6. *Ioannidis JPA, Griffiths J, Worthington M, Snyderman DR.* Spectrum and significance of bacteremia due to *Moraxella catarrhalis*. **Clinical Infectious Diseases** 1995, 21:390-7.
7. *Ioannidis JPA, Cappelleri JC, Skolnik PR, Lau J, Sacks HS.* A meta-analysis of the relative efficacy and toxicity of *Pneumocystis carinii* prophylactic regimens. **Archives of Internal Medicine** 1996, 156:177-88.
8. *Ioannidis JPA, Merino F, Drapkin M, Lew M, Cohn L.* Pneumococcal aortitis in the antibiotic era. **Archives of Internal Medicine** 1995, 155:1678-80.
9. *Ioannidis JPA, Reichlin S, Skolnik PR.* Long-term productive HIV-1 infection in human infant microglia. **American Journal of Pathology** 1995, 147:1200-6.
10. *Barza M, Ioannidis JPA, Cappelleri JC, Lau J.* Single or multiple daily doses of aminoglycosides: a meta-analysis. **British Medical Journal** 1996, 312:338-45. See also accompanying editor-invited commentary in the same issue. See also comments and reply in 1996,313:490-1.
11. *Ioannidis JPA, Cappelleri JC, Lau J, Sacks HS, Skolnik PR.* Predictive value of viral load in asymptomatic untreated HIV-1 infection. A mathematical model. **AIDS** 1996, 10:255-62.
12. *Ioannidis JPA, Cappelleri JC, Schmid CH, Lau J.* Impact of epidemic and individual heterogeneity on the population distribution of disease progression rates. An example from populations of trials of human immunodeficiency virus infection. **American Journal of Epidemiology** 1996, 144:1074-85.
13. *Ioannidis JPA, Cappelleri JC, Lau J.* Viral load and response to treatment of HIV (letter). **New England Journal of Medicine** 1996, 334:1671-3.
14. *Cappelleri JC, Ioannidis JPA, Schmid CH, deFerranti SD, Aubert M, Chalmers TC, Lau J.* Large trials versus meta-analysis of smaller trials: how do their results compare? **JAMA** 1996, 276:1332-8. See also comments and reply in 1997, 277:376-77.
15. *Lau J, Ioannidis JPA, Schmid CH.* Quantitative synthesis in systematic reviews. **Annals of Internal Medicine** 1997, 127:820-6.
16. *Ioannidis JPA, Lau J.* On meta-analyses of meta-analyses (letter) **Lancet** 1996, 348:756.

17. Ioannidis JPA, Sacks HS, Cappelleri JC, Lau J. Clinical efficacy of antiretroviral changes in HIV-infected patients with prior antiretroviral treatment. A meta-analysis **Online Journal of Current Clinical Trials** 15 May 1997, (Doc. 204).
18. Bonis PAL, Ioannidis JPA, Cappelleri JC, Kaplan MM, Lau J. Correlation of biochemical response to alpha interferon with histological improvement in hepatitis C: A meta-analysis of diagnostic test characteristics **Hepatology** 1997, 26:1035-44.
19. Ioannidis JPA, Cappelleri JC, Melville B, Sacks HS, Lau J. The relationship between study design, results and reporting of randomized clinical trials of HIV-1 infection. **Controlled Clinical Trials** 1997, 18:431-44.
20. Ioannidis JPA, Bassett R, Hughes MD, Sacks HS, Volberding PA, Lau J. Predictors and impact of patients lost to follow-up in a long-term trial of early versus deferred antiretroviral therapy. **Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology** 1997,16:22-30.
21. Ioannidis JPA. Effect of the statistical significance of results on the time to completion and publication of randomized efficacy trials. **JAMA** 1998, 279:281-6. See also accompanying editorial at 279:319-20.
22. Ioannidis JPA, Dixon DO, McIntosh M, Albert JM, Bozzette S, Schnittman SM. Relationship between event rates and treatment effects in clinical site differences within multicenter trials. **Controlled Clinical Trials** 1999, 20:253-66.
23. Ioannidis JPA, Lau J. The impact of high risk patients on the results of clinical trials. **Journal of Clinical Epidemiology** 1997, 50:1089-98.
24. DeFerranti SD, Ioannidis JPA, Lau J, Anninger W, Barza M. Are amoxicillin and folate inhibitors as effective as other antibiotics for acute sinusitis? A meta-analysis. **British Medical Journal** 1998, 317:632-7.
25. Wynia M, Ioannidis JPA, Lau J. Analysis of lifelong strategies to prevent *Pneumocystis carinii* pneumonia in patients with variable HIV progression rates. **AIDS** 1998, 12:1317-25.
26. Ioannidis JPA, McQueen P, Goedert JJ, Kaslow RA. Use of neural networks to model complex immunogenetic associations of disease: HLA impact on the progression of HIV infection **American Journal of Epidemiology** 1998, 147:464-71.

27. *Albert JM, Ioannidis JPA, Reichelderfer P, Conway B, Coombs RW, Crane L, Demasi R, Dixon DO, Flandre P, Hughes MD, Kalish LA, Larmatz K, Lin D, Marschner IC, Munoz A, Murray J, Neaton J, Pettinelli C, Rida W, Taylor JMG, Welles SL* for the NIAID workshop on surrogate endpoints participants. Statistical issues for HIV surrogate endpoints: point/counterpoint. **Statistics in Medicine** 1998, 17:2735-62.
28. *Lau J, Ioannidis JPA, Schmid CH*. Summing up evidence: one answer is not always enough. **Lancet** 1998, 351:123-7. See also accompanying editorial in 351:8.
29. *Contopoulos-Ioannidis DG, Ioannidis JPA*. Maternal cell-free viremia in the natural history of perinatal HIV-1 transmission. A meta-analysis. **Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology** 1998, 18:126-35.
30. *Ioannidis JPA, Cappelleri JC, Lau J*. Meta-analyses and large randomized controlled trials (letter). **New England Journal of Medicine** 1998, 338:59-62.
31. *Ioannidis JPA, Goedert JJ, McQueen PG, Enger C, Kaslow RA*. Comparison of viral load and HLA statistical and neural network predictive models for the rate of HIV disease progression across two cohorts of homosexual men. **Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology** 1999, 20:129-36.
32. *Ioannidis JPA, Collier AC, Cooper DA, Corey L, Fiddian AP, Gazzard B, Griffiths PD, Contopoulos-Ioannidis DG, Lau J, Pavia AT, Saag MS, Spruance S, Youle MS*. Clinical efficacy of acyclovir in patients with human immunodeficiency virus infection: a meta-analysis of randomized individual patient data. **Journal of Infectious Diseases** 1998, 178:349-59.
33. *Ioannidis JP, Lau J*. Heterogeneity of the baseline risk within patient populations of clinical trials: a proposed evaluation algorithm. **American Journal of Epidemiology** 1998, 148:1117-26.
34. *Ioannidis JPA, Cappelleri JC, Lau J*. Issues in comparisons between meta-analyses and large trials. **JAMA** 1998, 279:1089-93.
35. *Ioannidis JPA, Lau J*. Uncontrolled pearls, controlled evidence, meta-analysis and the individual patient. **Journal of Clinical Epidemiology** 1998, 51:709-11.

36. Ioannidis JPA, Contopoulos-Ioannidis DG. Reporting of safety data from randomised trials. **Lancet** 1998, 352:1752-3.
37. Ioannidis JPA, Contopoulos-Ioannidis DG, Lau J. Recursive cumulative meta-analysis: a diagnostic for the evolution of total randomized evidence from group and individual patient data. **Journal of Clinical Epidemiology** 1999, 52:281-91.
38. Ioannidis JPA, O'Brien TR, Rosenberg PS, Contopoulos-Ioannidis DG, Goedert JJ. Genetic effects on HIV disease progression (letter). **Nature Medicine** 1998, 4:536.
39. Havlir DV, Marschner I, Hirsch M, Colier AC, Tebas P, Bassett R, Ioannidis JPA, Holohan MK, Leavitt R, Boone G, Richman DD for the *AIDS Clinical Trials Group 343 Study Team*. Maintenance antiretroviral therapy in HIV-infected patients who have achieved undetectable plasma HIV RNA with triple combination therapy. **New England Journal of Medicine** 1998, 339:1261-8. See also accompanying editorial in the same issue, pp. 1319-21.
40. Ioannidis JPA, Lau J. Meta-analysis: a science of bias, dissent and diversity. **SGIM Forum** 1998, 21: 5,11 (editorial).
41. Ioannidis JPA, Taba ET, Kummenda N, Broadhead R, Mtimavalye L, Miotti P, Yellin F, Contopoulos-Ioannidis DG, Biggar RJ. Predictors and impact of losses to follow-up in a HIV-1 perinatal transmission cohort in Malawi. **International Journal of Epidemiology** 1999, 28:769-75.
42. Ioannidis JPA, Lau J. Can quality of clinical trials and meta-analysis be quantified? **Lancet** 1998, 352:590-1 (editorial).
43. Ioannidis JPA, O'Brien TR, Goedert JJ. Evaluation of guidelines for the initiation of highly active antiretroviral therapy in a longitudinal cohort of HIV-infected patients. **AIDS** 1998, 12: 2417-23.
44. Ioannidis JPA, Lau J. Benefits and limitations of meta-analysis. **Joint Commission Journal of Quality Improvement** 1999, 25:462-9.
45. Ioannidis JPA, Moutsopoulos HM. Sjogren's syndrome: too many associations, too limited evidence. **Seminars in Arthritis and Rheumatism** 1999, 29:1-3.

46. Ioannidis JPA, Lau J. State-of-the-evidence: current status and prospects of meta-analysis in infectious diseases. **Clinical Infectious Diseases** 1999, 29:1178-85.
47. HIV Trialists' Collaborative Group (including Ioannidis JPA). Meta-analyses of the randomised evidence on zidovudine, didanosine and zalcitabine in the treatment of HIV infection. **Lancet** 1999, 353:2014-25. See also editorial in the same issue, pp. 1989-90.
48. Ioannidis JPA, Schmid CH, Lau J. Meta-analysis in hematology and oncology. **Hematology/Oncology Clinics of North America** 2000, 14:973-91.
49. Mavragani CP, Ioannidis JPA, Tzioufas AG, Hantoumi IE, Moutsopoulos HM. Recurrent pregnancy loss and autoantibody profile in autoimmune diseases. **Rheumatology** 1999, 38:1228-33.
50. Boletis JN, Ioannidis JPA, Boki KA, Moutsopoulos HM. Intravenous immunoglobulin compared with cyclophosphamide for proliferative lupus nephritis. **Lancet** 1999, 354:569-70.
51. Sipsas NV, Kokori SI, Ioannidis JPA, Kyriaki D, Tzioufas AG, Kordosis T. Circulating autoantibodies to erythropoietin are associated with HIV-1 related anemia. **Journal of Infectious Diseases** 1999, 180:2044-7.
52. Kokori SI, Ioannidis JPA, Voulgarelis M, Tzioufas AG, Moutsopoulos HM. Autoimmune hemolytic anemia in patients with systemic lupus erythematosus. **American Journal of Medicine** 2000, 108:198-204.
53. Ioannidis JPA, Boki KA, Katsorida M, Drosos AA, Boletis JN, Skopouli FN, Moutsopoulos HM. Remission, relapse, and re-remission of proliferative lupus nephritis treated with cyclophosphamide. **Kidney International** 2000, 57:258-64.
54. Ioannidis JPA, Tektonidou MG, Vlachoyiannopoulos PG, Stavropoulos-Giokas C, Spiropoulou M, Reville J, Arnett FC, Moutsopoulos HM. HLA associations of anti-beta2 glycoprotein I response in a Greek cohort with antiphospholipid syndrome and meta-analysis of four ethnic groups. **Human Immunology** 1999, 60:1274-80.
55. Skopouli FN, Dafni U, Ioannidis JPA, Moutsopoulos HM. Clinical evolution, mortality and morbidity of primary Sjogren's syndrome. **Seminars in Arthritis and Rheumatism** 2000, 29:296-304.

56. Rizou C, Ioannidis JPA, Panou-Pomoni E, Sakarellos, Sakarellos-Daitsiotis, Moutsopoulos HM, Vlachoyiannopoulos PG. B-cell epitope mapping of DNA topoisomerase I defines epitopes strongly associated with pulmonary fibrosis in systemic sclerosis. **American Journal of Respiratory Cell and Molecular Biology** 2000, 22:344-51.
57. Ioannidis JPA, Contopoulos-Ioannidis DG. Maternal viral load and perinatal transmission of HIV-1. **New England Journal of Medicine** 1999, 341:1698-1700 (letter).
58. Voulgarelis M, Kokori SIG, Ioannidis JPA, Tzioufas AG, Kyriaki D, Moutsopoulos HM. Anaemia in systemic lupus erythematosus: aetiologic profile and the role of erythropoietin. **Annals of the Rheumatic Diseases** 2000, 59:217-22.
59. Baxter JD, Mayers DL, Wentworth DN, Neaton JD, Hoover ML, Winters M, Mannheimer S, Thompson M, Abrams DI, Brizq B, Ioannidis JPA, Merigan TC and the CPCRA 046 Study Team for the Terry Beirn Community Programs for Clinical Research on AIDS. A randomized study of antiretroviral management based on plasma genotypic antiretroviral resistance testing in patients failing therapy. **AIDS** 2000, 14:F83-93.
60. O'Brien TR, McDermott DH, Ioannidis JPA, Carrington M, Murphy PM, Havlir DV, Richman DD. Effect of chemokine receptor gene polymorphisms on the response to potent antiretroviral therapy. **AIDS** 2000, 14:821-6.
61. Mathys JM, Melanson SM, Schiffer-Alberts DJ, Ioannidis JP, Kozjel H, Skolnik PR. NF-kB modulates TNF-alpha production by alveolar macrophages in asymptomatic HIV-seropositive individuals. **Journal of Immunology** 2000, 164:1588-94.
62. Tektonidou MG, Petrovas CA, Ioannidis JPA, Vlachoyiannopoulos PG, Moutsopoulos HM. Clinical importance of antibodies against platelet activating factor in antiphospholipid syndrome manifestations. **European Journal of Clinical Investigation** 2000, 30:646-52.
63. Karassa FB, Ioannidis JPA, Touloumi G, Boki KA, Moutsopoulos HM. Risk factors for central nervous system involvement in systemic lupus erythematosus. **Quarterly Journal of Medicine** 2000, 93:169-74.

64. Ioannidis JPA, *Havlir DV, Tebas P, Hirsch MS, Collier AC, Richman DD*. Dynamics of HIV-1 viral load rebound among patients with previous suppression of viral replication. **AIDS** 2000, 14:1481-8.
65. *Goules A, Masouridi S, Tzioufas AG, Ioannidis JPA, Skopouli FN, Moutsopoulos HM*. Clinically significant and biopsy-documented renal involvement in primary Sjogren's syndrome. **Medicine** 2000, 79:241-9.
66. *Spoulou V, Victoratos P, Ioannidis JPA, Grafakos S*. Kinetics of antibody concentration and avidity for the assessment of immune response to pneumococcal vaccine among children with bone marrow transplants. **Journal of Infectious Diseases** 2000, 182:965-9.
67. Ioannidis JPA, *Lau J*. Evidence for the diagnosis and treatment of acute uncomplicated sinusitis in children: a systematic overview. **Pediatrics** 2001, 108: e57.
68. Ioannidis JPA, *Hesketh PJ, Lau J*. Contribution of dexamethasone to control of chemotherapy-induced nausea and vomiting: a meta-analysis of randomized evidence. **Journal of Clinical Oncology** 2000, 18:3409-22.
69. *Tektonidou MT, Ioannidis JPA, Moysakis I, Boki KA, Vassiliou V, Vlachoyiannopoulos PG, Moutsopoulos HM*. Right ventricular diastolic dysfunction in patients with anticardiolipin antibodies and antiphospholipid syndrome. **Annals of the Rheumatic Diseases** 2001, 60:43-48.
70. *Karassa FB, Ioannidis JPA, Boki KA, Touloumi G, Argyropoulou MI, Strigaris KA, Moutsopoulos HM*. Predictors of clinical outcome and radiographic progression in patients with neuropsychiatric manifestations of systemic lupus erythematosus. **American Journal of Medicine** 2000, 109:628-34.
71. *Tektonidou M, Ioannidis JPA, Boki KA, Vlachoyiannopoulos PG, Moutsopoulos HM*. Prognostic factors and clustering of serious clinical outcomes in antiphospholipid syndrome. **Quarterly Journal of Medicine** 2000, 93:523-30.
72. *Katritis DG, Ioannidis JPA, Korovesis S, Giazitzoglou E, Kalivas P, Parisis J, Webb-Peploe MM*. Comparison of coronary functional flow reserve and intravascular ultrasound for the assessment of slotted tube stents. **Catheterization and Cardiovascular Interventions** 2001, 52:322-6. See also accompanying editorial in

the same issue.

73. *Boki KA, Ioannidis JPA, Segas JV, Marangoudakis PV, Petrou D, Adamopoulos GK, Moutsopoulos HM.* How significant is sensorineural hearing loss in primary Sjogren's syndrome? An individually-matched case-control study. **Journal of Rheumatology** 2001, 28:798-801.
74. *Ioannidis JPA, Lau J.* Evolution of treatment effects over time: empirical evidence from recursive cumulative meta-analyses. **Proceedings of the National Academy of Sciences, USA** 2001, 98:831-6.
75. *Ioannidis JPA, Lau J.* Completeness of safety reporting in randomized trials: an evaluation of 7 medical areas. **JAMA** 2001, 285:437-43. See also editorial by JC Mucklow at the Lancet (2001;357:1384)
76. *Trikalinos TA, Ioannidis JPA.* Predictive modeling and heterogeneity of baseline risk in meta-analysis of individual patient data. **Journal of Clinical Epidemiology** 2001, 54:245-52.
77. *Ioannidis JPA, Galanos O, Katritsis D, Connery CP, Drossos GE, Swistel DG, Anagnostopoulos CE.* Early mortality and morbidity of bilateral versus single internal thoracic artery revascularization: propensity and risk modeling. **Journal of the American College of Cardiology** 2001, 37:521-8.
78. *Spoulou V, Theodoridou M, Papaevangelou VG, Mostrou GI, Ioannidis JPA.* 23-valent pneumococcal vaccination and HIV (letter). **Lancet** 2000, 356:1027-8.
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See also accompanying editorial in the same issue p. 344-6.
80. *Ioannidis JPA, Abrams EJ, Ammann A, Bulterys M, Goedert JJ, Gray L, Korber BT, Mayaux MJ, Mofenson LM, Newell M-L, Shapiro DE, Teglas JP, Wilfert CM.* Perinatal transmission of HIV-1 from pregnant women with RNA viral load less than 1000 copies/ml. **Journal of Infectious Diseases** 2001, 183:539-45.
81. *Efstathiadou Z, Kranas V, Ioannidis JPA, Georgiou I, Tsatsoulis A.* The Sp1 COLIA1 gene polymorphism, and not vitamin D receptor or estrogen receptor gene polymorphisms, determines

- bone mineral density in postmenopausal Greek women. **Osteoporosis International** 2001, 12:326-31.
82. *Giannakakis I, Ioannidis JPA.* Arabian nights: 1001 tales of how pharmaceutical companies cater to the material needs of doctors. **British Medical Journal** 2000, 321:1563-4.
83. *Balk EM, Ioannidis JPA, Salem D, Chew P, Lau J.* Accuracy of biomarkers to diagnose acute cardiac ischemia in the emergency department: a meta-analysis. **Annals of Emergency Medicine** 2001, 37:478-94. See also accompanying editorial by Ornato et al in the same issue pp. 450-2.
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85. *Ioannidis JPA, Salem D, Lau J.* Accuracy and clinical effect of out-of-hospital electrocardiography in the diagnosis of acute cardiac ischemia: a meta-analysis. **Annals of Emergency Medicine** 2001, 37:461-70. See also accompanying editorial by Ornato et al in the same issue pp. 450-2.
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88. *Katritsis D, Korovesis S, Giazitzoglou E, Kalivas P, Parisis J, Webb-Peploe MM, Ioannidis JPA, Haliassos A.* C-reactive protein concentrations and angiographic characteristics of coronary lesions. **Clinical Chemistry** 2001, 47:882-6.
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90. Ioannidis JPA, Karassa FB. Bias in uncontrolled therapeutic trials in rheumatology due to selection of populations with extreme characteristics. **Journal of Rheumatology** 2001, 28:1881-7. See also accompanying editorial in same issue, pp. 1747-8.
91. Efstathiadou Z, Tsatsoulis A, Ioannidis JPA. Association of collagen Ia 1 polymorphism with the risk of prevalent fractures: a meta-analysis. **Journal of Bone and Mineral Research** 2001, 16:1586-92.
92. Ioannidis JPA, Haidich A-B, Lau J. Editorial: Any casualties in the clash of randomised and observational evidence? **British Medical Journal** 2001, 322:879-80.
93. Katritsis D, Ioannidis JPA, Anagnostopoulos CE, Sarris GE, Giazitzoglou E, Korovesis S, Camm AJ. Identification and catheter ablation of extracardiac and intercardiac components of ligament of Marshall tissue: a novel approach for the treatment of paroxysmal atrial fibrillation. **Journal of Cardiovascular Electrophysiology** 2001, 12:750-8. (See also figure from the article in the journal cover page).
94. Ioannidis JPA, Lau J. Improving safety reporting from randomized trials. **Drug Safety** 2002, 25:77-84.
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96. Trikalinos TA, Ioannidis JPA. Discontinuation of *Pneumocystis carinii* prophylaxis in patients infected with human immunodeficiency virus: a meta-analysis and decision analysis. **Clinical Infectious Diseases** 2001, 33:1901-9.
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6. Cappelleri JC, Ioannidis JPA, Schmid CH, Lau J. Large trials vs. meta-analysis of smaller trials. **JAMA** 1997;277:376-8. (Other letter authors: Klebanoff MA, Levine RAJ, DerSimonian R, Johnson BT, Carey MP, Muellerleile PA).
7. Ioannidis JPA, Lau J, Sacks HS. Zidovudine in patients with HIV infection. **Ann Intern Med** 1996;124:371-3. (Other letter authors: Bucher HC, Griffith L, Costagliola D, Mary-Krause M).
8. Ioannidis JPA, Lau J. Safety reporting in randomised trials. **JAMA** 2001;285:2076-8 (Other letter authors: Calis KA, Daniels CE, Colebunders R, De Roo A, Schrooten W, Kohl KS, Bonhoeffer J, Naidig JL, Koletar SI).
9. Ioannidis JPA, Contopoulos-Ioannidis DG, Lau J. Using meta-analysis to answer clinical questions. **JAMA** 2001;286:2669-70 (Other authors: Laheij RJF, Theodoropoulos DS, Theodoropoulos GA, Pecorano DL).
10. Contopoulos-Ioannidis DG, Ioannidis JPA, Lau J. Azithromycin is effective in patients with chronic bronchitis-Reply. **Journal of Antimicrobial Chemotherapy** 2002, 50:433-4. (Other letter authors: Kopjar B).
11. Balk E, Bonis P, Lau J, Ioannidis JP. Allocation concealment in clinical trials. **JAMA** 2002, 288:2406-9 (Other letter authors: Schulz KF, Altman DG, Moher D, Juni P, Egger M).
12. Gouva C, Nikolopoulos P, Ioannidis JP, Siamopoulos KC. Reply from the authors. **Kidney**

**International** 2005, 67:779-80.

13. Contropoulos-Ioannidis DG, Ioannidis JPA. Extended-interval aminoglycosides in children: more guidance is needed: reply. **Pediatrics** 2005, 115:827-8.
14. Trikalinos TA, Panidou ET, Ioannidis JP. Reply to Badri et al. on 'Limited benefit of antiretroviral resistance testing in treatment-experienced patients: a meta-analysis'. **AIDS** 2005;19:1336-7.
15. Mauri D, Pavlidis N, Ioannidis JPA. Re: Neoadjuvant versus adjuvant systemic treatment in breast cancer: a meta-analysis. **Journal of the National Cancer Institute** 2005, 97:858-9.
16. Contopoulos-Ioannidis DG, Ioannidis JPA. Reply. **Journal of Allergy and Clinical Immunology** 2006, 117:222-3.
17. Ioannidis JPA. Contradictions in highly cited clinical research. **JAMA** 2005, 294:2696.
18. Ioannidis JP. Truth, probability and frameworks. **PLoS Medicine** 2005, 2(11):e398.
19. Ioannidis JPA, Papanikolaou P. Not so surprising findings – response. **CMAJ** 2006, 175:172.
20. Ioannidis JP, Mauri D, Polyzos N, Pavlidis N. **Journal of the National Cancer Institute** 2007, 99:76-7.
21. Ioannidis JPA, Katriasis D. Reply to letter on: Revisiting the role of percutaneous revascularization versus medical therapy for later infarct-related artery occlusion. **American Heart Journal** 2008, 155:e43.

#### BOOKS, CHAPTERS AND MONOGRAPHS:

1. Lau J, Ioannidis JPA, Schmid CH. “Quantitative Synthesis”. In: Systematic Reviews. Synthesis of Best Evidence for Health Care Decisions. C. Mulrow and D. Cook, Eds. American College of Physicians, Philadelphia, 1998. pp. 91-102.
2. Ioannidis JPA and Lau J. “Evidence-Based Medicine: A quantitative approach to decision making” In : Decision Making in Health Care: Theory, Psychology, and Applications. G.B. Chapman and F.A. Sonnenberg, Eds. Cambridge University Press, 2000. pp. 110-44.
3. Cappelleri J, Ioannidis JPA, Lau J. “Meta-analysis of Therapeutic Trials” In: Encyclopedia of

- Biopharmaceutical Statistics. S-C. Chow, Ed. Marcel Dekker, 2000.
4. Cappelleri J, Ioannidis JPA, Lau J. “Meta-analysis of Therapeutic Trials” In: Encyclopedia of Biopharmaceutical Statistics. S-C. Chow, Ed. Marcel Dekker, 2<sup>nd</sup> edition, 2002 [new expanded version].
  5. Ioannidis JPA, Schmid CH, Lau J. “Meta-analysis approaches for epidemiologic research on asbestos”. In: Sourcebook on Asbestos Diseases, vol 18, Lexis/Reed Elsevier, 1998.
  6. Ioannidis JPA, Barza M, Lau J. Management of acute sinusitis. PIER module. American College of Physicians, Philadelphia, 2000.
  7. Ioannidis JPA. Principles of evidence-based medicine (in Greek), pp. 334+xvi, Athens, 2000.
  8. Ioannidis JPA, Phillips A, Johnston M, Wilkinson D. “Opportunistic Infections and HIV.” In: Clinical Evidence. BMJ Publishing Group, 2000 (issue 4) and 2001 (issue 5).
  9. Ioannidis JPA, Wilkinson D. “Opportunistic Infections and HIV.” In: Clinical Evidence. BMJ Publishing Group, 2001 (issue 6). [new expanded version]
  10. Ioannidis JPA, Wilkinson D. “Opportunistic Infections and HIV.” In: Clinical Evidence. BMJ Publishing Group, June 2002 (issue 7). [new expanded version]
  11. Ioannidis JPA, Wilkinson D. “Opportunistic Infections and HIV”. In: Clinical Evidence-Concise Version. BMJ Publishing Group, December 2002 (issues 8, 9 and 10). [new revised version]
  12. Lau J, Ioannidis JPA, et al for the New England Medical Center Evidence-based Practice Center. Evaluation of technologies for identifying acute cardiac ischemia in emergency departments. Rockville, MD: Agency for Healthcare Services and Research, 2000.
  13. Goudas L, Carr DB, Block R, Balk E, Ioannidis JPA, Terrin N, Goudas M, Chew P, Lau J. Management of Cancer Pain. Evidence Report/Technology Assessment. Rockville, MD: Agency for Healthcare Research and Quality, 2001.
  14. Lau J, Ioannidis JPA, Wald ER. Diagnosis and treatment of uncomplicated acute sinusitis in children. Evidence report/technology assessment no. 9, supplement. Agency for Healthcare Research and Quality publication. Rockville, MD: Agency for Healthcare Research and Quality,

2000.

15. Ioannidis JPA. Evidence-based approach to infertility, In: Infertility (in Greek), Athens 2001.
16. Ioannidis JPA, Lau J. Integrating genetics in clinical trials. In: Khoury M, Little J (eds): Human Genome Epidemiology, 2003, Oxford University Press.
17. Ioannidis JPA. Presentation and dissemination of clinical trials in the medical literature. In: Japour A (ed): Where ethics meet clinical trials: the AIDS paradigm.
18. Trikalinos T, Ioannidis JPA. Assessing the evolution of effect sizes over time. In: Rothstein HR, Sutton AJ, Borestein M, eds. Publication bias in meta-analysis—prevention, assessment and adjustments. Wiley, Chichester (2005).
19. Ioannidis JPA. Differentiating bias from heterogeneity. In: Rothstein HR, Sutton AJ, Borestein M, eds. Publication bias in meta-analysis—prevention, assessment and adjustments. Wiley, Chichester (2005).
20. Associate Editor for «Encyclopedia of Clinical Trials», John Wiley and Sons (in preparation).
21. Ioannidis JPA. Preface to Greek translation of Health 21/WHO, Athens 2003.
22. Karassa FB, Ioannidis JPA. Influenza and vaccination. In: Gibson R, ed. Evidence-Based Respiratory Medicine, BMJ Publishing Group 2005.
23. Ioannidis JPA, Lau J. Science for Judges: Reviewing medical evidence. Journal of Policy and Law, Fall 2004.
24. International Campaign to Revitalise Academic Medicine (including Ioannidis JPA). The future of academic medicine: five scenarios to 2025. New York: Milbank Memorial Fund.
25. Ioannidis J, Wilkinson D. HIV: prevention of opportunistic infections. Clin Evid. 2005 Jun;(13):834-53 (updated version).
26. Lacchetti C, Ioannidis J, Guyatt G. Surprising results of randomized trials. In: User's Guide to the Medical Literature: A manual for evidence-based clinical practice. McGraw Hill and AMA, 2008.
27. Levine M, Ioannidis J, Haines T, Guyatt G. Harm (observational studies). In: User's Guide to the

- Medical Literature: A manual for evidence-based clinical practice. McGraw Hill and AMA, 2008.
28. Montori V, Ioannidis J, Oxman A, Cook D, Guyatt G. Summarizing the evidence: fixed-effects and random-effects models. In: User's Guide to the Medical Literature: A manual for evidence-based clinical practice. McGraw Hill and AMA, 2008.
  29. Guyatt G, Straus S, Meade MO, Kunz R, Cook DJ, Devereaux PJ, Ioannidis J. Therapy (randomized trials). In: User's Guide to the Medical Literature: A manual for evidence-based clinical practice. McGraw Hill and AMA, 2008.
  30. Montori V, Hatala R, Ioannidis J, Meade MO, Wyer P, Guyatt G. Making sense of variability in study results. In: User's Guide to the Medical Literature: A manual for evidence-based clinical practice. McGraw Hill and AMA, 2008.
  31. Guyatt G, Wyer P, Ioannidis J. Summarizing the evidence: when to believe a subgroup analysis. In: User's Guide to the Medical Literature: A manual for evidence-based clinical practice. McGraw Hill and AMA, 2008.
  32. Montori V, Ioannidis J, Guyatt G. Reporting bias. In: User's Guide to the Medical Literature: A manual for evidence-based clinical practice. McGraw Hill and AMA, 2008.
  33. Montori V, Ioannidis J, Jaeschke R, Schunemann H, Bhandari M, Devereaux PJ, Guyatt G. Dealing with misleading presentations of clinical trial results. In: User's Guide to the Medical Literature: A manual for evidence-based clinical practice. McGraw Hill and AMA, 2008.
  34. Ntzani EE, Khoury MJ, Ioannidis JP. Combining molecular and genetic data from different sources. In: Molecular Epidemiology, International Agency for Research on Cancer (in press).
  35. Trikalinos TA, Salanti G, Zintzaras E, Ioannidis JP. Meta-analysis methods. In: Genetic Dissection of Complex Traits, DC Rao, ed. 2<sup>nd</sup> edition.
  36. Tatsioni A, Ioannidis JP. Meta-analysis. In: Encyclopedia of public health, Elsevier, 2009.
  37. Salanti G, Ioannidis JP. Hardy-Weinberg equilibrium. In: Encyclopedia of evolution, Elsevier 2009.
  38. Ioannidis JPA. Validation and Confirmation of Associations. In: Molecular Epidemiology, Rebbeck,

Ambrosone, Shields, eds., 2008.

39. Human Genome Epidemiology: Building the evidence for using genetic information to improve health and prevent disease, 2<sup>nd</sup> edition. Editors: Muin Khoury, Sara Bedrosian, Marta Gwinn, Julian Higgins, John Ioannidis, Julian Little. Oxford University Press, 2009 (704 pages).
40. Khoury MJ, Bedrosian SR, Gwinn ML, Higgins JPT, Ioannidis JPA, Little J. Human genome epidemiology: The road map revisited. In: Human Genome Epidemiology: Building the evidence for using genetic information to improve health and prevent disease, 2<sup>nd</sup> edition. Editors: Muin Khoury, Sara Bedrosian, Marta Gwinn, Julian Higgins, John Ioannidis, Julian Little. Oxford University Press, 2009.
41. Daniela Seminara, Muin J. Khoury, Thomas R. O'Brien, Teri Manolio, Marta L. Gwinn, Julian Little, Julian P. T. Higgins, Jonine L. Bernstein, Paolo Boffetta, Melissa Bondy, Molly S. Bray, Paul E. Brenchley, Patricia A. Buffler, Juan Pablo Casas, Anand P. Chokkalingam, John Danesh, George Davey Smith, Siobhan Dolan, Ross Duncan, Nelleke A. Gruis, Mia Hashibe, David Hunter, Marjo-Riitta Jarvelin, Beatrice Malmer, Demetrius M. Maraganore, Julia A. Newton-Bishop, Elio Riboli, Georgia Salanti, Emanuela Taioli, Nic Timpson, Andre G. Uitterlinden, Paolo Vineis, Nick Wareham, Deborah M. Winn, Ron Zimmern, and John P. A. Ioannidis. The emergence of networks in human genome epidemiology: Challenges and opportunities. In: Human Genome Epidemiology: Building the evidence for using genetic information to improve health and prevent disease, 2<sup>nd</sup> edition. Editors: Muin Khoury, Sara Bedrosian, Marta Gwinn, Julian Higgins, John Ioannidis, Julian Little. Oxford University Press, 2009.
42. Julian Little, Julian P.T. Higgins, John P.A. Ioannidis, David Moher, France Gagnon, Erik von Elm, Muin J. Khoury, Barbara Cohen, George Davey-Smith, Jeremy Grimshaw, Paul Scheet, Marta Gwinn, Robin E. Williamson, Guang Yong Zou, Kim Hutchings, Candice Y. Johnson, Valerie Tait, Miriam Wiens, Jean Golding, Cornelia van Duijn, John McLaughlin, Andrew Paterson, George Wells, Isabel Fortier, Matthew Freedman, Maja Zecevic, Richard King, Claire Infante-Rivard, Alex

Stewart, and Nick Birkett. STrengthening the REporting of Genetic Association Studies (STREGA)

- An extension of the STROBE statement. In: Human Genome Epidemiology: Building the evidence for using genetic information to improve health and prevent disease, 2<sup>nd</sup> edition. Editors: Muin Khoury, Sara Bedrosian, Marta Gwinn, Julian Higgins, John Ioannidis, Julian Little. Oxford University Press, 2009.

43. Ntzani EE, Khoury MJ, Ioannidis JPA. Combining molecular and genetic data from different sources. IARC textbook on molecular epidemiology (in press).

44. Looking behind the numbers. Interview at NEW SCIENTIST. 2008, 197:44-45

ABSTRACTS IN INTERNATIONAL PEER-REVIEWED MEETINGS:

Over 150 abstracts (the majority as oral presentations)

## ACADEMIC AWARDS AND HONORS

- 1983 Dolashik Prize.
- 1984 Valedictorian, class of 1984 - highest Athens College honor.  
Athens College Mathematics Award, John Vakis Award for Natural Sciences,  
Emmanuel Benakis Prize.
- 1984 Honorary scholarship, State Scholarship Foundation for top admission rank in the  
University of Athens, School of Medicine (UASM)
- 1984 First Prize of the National Mathematical Society annual national competition.
- 1984-90 Honorary annual scholarships, State Scholarship Foundation for being in the  
top 2 % of the class of 1990.
- 1990 Graduated summa cum laude at top rank (n. 1) from the School of Medicine.
- 1992, 1993 Annual Resident Awards, Department of Radiology, Deaconess Hospital.
- 1995 Maxwell Finland Young Investigator Award, Massachusetts Infectious Diseases  
Society.
- 2000 Giannatos Prize
- 2003 Ikkos Prize
- 2007 Award for Excellence in Clinical Science, European Society for Clinical Investigation  
(award ceremony and lecture in Uppsala, Sweden, April 2007)
- 2007 Thomas C. Chalmers award, Cochrane Collaboration (best presentation, presenting  
young researcher: Nikolaos Patsopoulos).
- 2009 Election (regular member), Association of American Physicians

## MEDICAL BOARDS

- Licensing:* ECFMG certificate 8/90. FLEX: Massachusetts, 6/91. Board of Registration in  
Medicine of Massachusetts (8/91). Board of Physician Quality Assurance of

Maryland (10/96)

*Board-certification*

Internal Medicine (1993) and Infectious Disease (1996), American Board of Internal Medicine - Also board-certified in Internal Medicine (1995) and in Infectious Diseases (1997; re-certified 2001) in Greece.

*Current practice:*

I provide for free consultation/second opinion for difficult cases in internal medicine, infectious diseases and AIDS, when requested, at the Ioannina University Hospital. I decline salary support for such activity and I do not have a private medical practice. My principle is that I have not accepted being paid for providing medical services or consultation since I finished my speciality training.

TEACHING EXPERIENCE (selectively)

1984-5

Gave seminars on advanced statistics and mathematics for medical students, organized in collaboration with faculty from the laboratories of Anatomy and Medical Physics, University of Athens School of Medicine.

1987-9

Gave seminars on neurochemistry and neurobiology topics, organized in collaboration with faculty from the laboratory of experimental pharmacology, University of Ioannina School of Medicine

1990-3

Clinical fellow in Medicine, Harvard Medical School, preceptor for the Introduction to Clinical Diagnosis course; Harvard Medical School.

1993-6

Clinical and Research Fellow, New England Medical Center Hospitals, preceptor for the Introduction to Physical Diagnosis, Pharmacology (antibiotics), and Infectious Diseases courses, Tufts University School of Medicine.

1996

Preceptor, Intensive Course on Methods in Clinical Research, Johns Hopkins University School of Medicine.

1997

Preceptor, Advanced Meta-analysis course, Johns Hopkins University School of



- 2006 Preceptor and invited speaker, Clinical Studies and Objective Medicine course, Bodrum, Turkey, 4/2006
- 2006 Preceptor and invited speaker, European School of Genetic Medicine, 2nd Course in Statistical Genetic Analysis of Complex Phenotypes: Focus on Association Studies, Bertinoro di Romagna, Italy, 5/2006.
- 2006-now Course director and preceptor, Molecular and Translational Epidemiology course, Sackler School of Graduate Biomedical Sciences, Tufts University, Boston, USA, 6/2006, 3/2009
- 2006 Preceptor and invited speaker, Integrating the Evidence on Gene-Disease Associations: Methods and applications of HuGE systematic reviews, MRC Biostatistics Unit, Cambridge, HuGE Net course, 9/2006
- 2007 Preceptor and invited speaker, NYU Post-Graduate Medical School Clinical Research Methodology Course: Randomized Clinical Trials and the Real World, Hospital for Joint Diseases, New York, NY, December 2007.
- 2008 Preceptor (Meta-analysis; Uncertainty, Bayes, and decision making), Seminar of Epidemiology and Clinical Research Methods, Hellenic Society of Nephrology, 3/2008.
- 2008 Preceptor/invited speaker, Science and the Web course, Summer School organized at Mediterranean Institute for Life Sciences (MedILS), Split, Croatia, 7/26-8/2/2008
- 2008 Preceptor, Large-scale Multicenter Studies course, Erasmus Summer Programme in Quantitative Medical Research, Erasmus University Rotterdam and Nijmegen, Netherlands, 8/2008.
- 2008 Preceptor, PhD course on Clinical Epidemiology, University of Copenhagen, Denmark, courses on systematic reviews and meta-analysis, genome-wide association studies, and credibility of research findings, October 2008.

- 2008                      Advanced course, Special topics in Epidemiology: Meta-analysis, Universita Cattolica del Sacro Cuore, Rome, November 17-21, 2008.
- 2010                      Preceptor, Evidence Based Epidemiology, course EPI509, Harvard School of Public Health (January 2010)

INVITED LECTURES:

I have given over 200 invited lectures in 28 countries (Greece, USA, Canada, Netherlands, Austria, Finland, England, Scotland, France, Ireland, Italy, Spain, Portugal, Hungary, Sweden, Germany, Switzerland, Czech Republic, Belgium, Cyprus, Turkey, South Africa, Botswana, Japan, Norway, Croatia, Denmark, Singapore)

Selected invited lectures in English:

1. Opening lecture: "Brain sciences, Pharmacology and the Greek Scientific Heritage", 2nd International Meeting of the European Behavioral Pharmacology Society, Athens, Greece, August 1988.
2. "Pathogenesis of HIV encephalopathy", New England Deaconess Hospital, Boston, MA, USA, December 1992.
3. "Implications of heterogeneity for clinical trials, meta-analysis, and modeling", Department of Biomathematical Sciences, Mount Sinai School of Medicine, New York, USA, December 2005.
4. "Modeling heterogeneity in meta-analysis", Center for Clinical Trials, Johns Hopkins School of Medicine, Baltimore, MD, USA, September 1996.
5. "Impact of losses to follow-up in long-term trials", 22nd AIDS Clinical Trials Group meeting, Washington D.C., USA, December 1996.
6. "Modeling non-linear relationships with neural networks: immunogenetic associations of HIV disease progression"; Statistical Center, Multicenter AIDS Cohort Study (MACS), Johns Hopkins School of Hygiene and Public Health, Baltimore, MD, USA, February 1997.

7. "Overviewing overviews in HIV infection: potential and challenges", Cochrane HIV CRG meeting, San Francisco, CA, USA, March 1997.
8. "Presence of a threshold effect in RNA and CD4 measurements", ENAR meeting of the International Biometrics Society (HIV Surrogate Endpoints Workshop), Memphis, TN, USA, March 1997.
9. "Meta-analysis in infectious diseases"; HIV Clinic, NIH Clinical Center, Bethesda, MD, USA. April 1997.
10. "Heterogeneity in clinical trials and meta-analysis", Division of AIDS, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, USA, October 1997.
11. "Neural network modeling of progression to AIDS", Division of Cancer Epidemiology and Genetics, National Cancer Institute, National Institutes of Health, Rockville, MD, USA, October 1997.
12. "Meta-analysis - pooling data or drowning by numbers: a debate", Society for General Internal Medicine, Annual meeting. Participants: JPA Ioannidis, John Bailar (Prof. Emeritus, U Chicago/Statistical Editor New England Journal of Medicine), Neil Powe (Prof. of Medicine, Johns Hopkins U). Cicago, IL, USA, April 1998.
13. "Evidence-based medicine for infectious diseases", State of the Art Interdisciplinary Review Course, U Athens, Athens, Greece, May 1998.
14. "Differing perspectives: Is meta-analysis a reasonable alternative to large randomized trials?", debate session – debating participants: JPA Ioannidis and Carl Kupfer (Director, National Eye Institute, National Institutes of Health). International Cochrane Colloquium, Baltimore, MD, USA, October 1998.
15. "Prostate cancer: epidemiology and risk factors", Institute of Pathology, U Ioannina, Ioannina, Greece, October 1999.
16. "Neural networks in modeling complex immunologic associations", American Society of Tropical

- Medicine and Hygiene, Washington, D.C., USA, December 1999.
17. “Meta-epidemiology of research and evaluation research”, 2nd Conference of the National School of Public Health (ESDY), Athens, Greece, February 2000.
  18. “Epidemiology of salivary gland cancer”, Institute of Pathology, U Ioannina, Ioannina, Greece, May 2000.
  19. “Research projects for cumulative randomized evidence in mental health”, EU-PSI meeting, Helsinki, Finland, September 2000.
  20. “Meta-epidemiology of meta-analysis”, European workshop on meta-analysis of epidemiologic studies, Santorini, Greece, October 2000.
  21. “Epidemiology of lung cancer: evidence from meta-analyses”, European School of Oncology, Nicosia, Cyprus, November 2000.
  22. “Analytical issues in the meta-epidemiology of meta-analysis”, Brown University School of Medicine, Department of Community Health and Center for Statistical Sciences, Providence, RI, USA, February 2001.
  23. “Empirical methodological research with large-scale evidence”, Division of Clinical Care Research, Department of Medicine, New England Medical Center, Boston, MA, USA, February 2001.
  24. “Safety reporting in randomized trials”, CONSORT meeting, Barcelona, Spain, September 2001.
  25. “Evidence-based medicine and meta-epidemiology”, Keynote lecture at opening ceremony of 7th Congress of the European Association of Hospital Pharmacists, Vienna, Austria, March 2002.
  26. “Evolution of effects over time: recursive cumulative meta-analysis in randomized research and molecular medicine”, Mathematical Sciences Research Institute, Berkeley, CA, USA, May 2002.
  27. “Comparison of randomized vs. non-randomized studies”, Mathematical Sciences Research Institute, Berkeley, CA, USA, May 2002.
  28. “Meta-analysis in genetics”, Tufts-New England Medical Center, Boston, MA, USA, May 2002.
  29. “Critical meta-analysis of lupus nephritis treatment”, 5th European Conference on SLE, Athens,

- Greece, May 2002.
30. "How to evaluate the outcome measures in a multisystemic and multidisciplinary disease", 5th European Conference on SLE, Athens, Greece, May 2002.
  31. "Incorporating adverse events in systematic reviews", 4th Symposium on Systematic Reviews, St. Catherine's College, Oxford University, Oxford, UK, July 2002.
  32. "Evolution of treatment effects for mental health interventions", EU-PSI meeting, Bristol, UK, September 2002.
  33. "Appraisal of guidelines - AGREE dissemination in Greece", AGREE meeting, Paris, France, November 2002.
  34. "Ethical issues in biomedical research", Workshop on perinatal HIV-1 transmission, Roundtable, Kasane, Botswana, January 2003.
  35. "Meta-analysis of polygenes", 2nd Workshop on the Genetic of Bone Diseases, European Calcified Tissue Society, Davos, Switzerland, February 2003.
  36. "Meta-analysis and evidence-based medicine in rheumatology", Marmaris, Turkey, May 2003.
  37. "Safety reporting in randomized trials", CONSORT meeting, Ottawa, Canada, May 2003.
  38. "Including adverse events in trial reports", Workshop on Rare Events, British Medical Journal and Cochrane Collaboration, London, UK, June 2003.
  39. "Publication bias: new insights", Publication bias Workshop, Vail, CO, USA, August 2003.
  40. "Problems and promises of genetic association studies", Genetics of Common Disorders, Academy of Athens, Institute for Medical and Biological Research, Athens, October 3, 2003.
  41. "Large-scale evidence and meta-analysis in genetic epidemiology", Institute of Medical Sciences, Aberdeen, Scotland, January 23, 2004.
  42. "Meta-analysis in human genetics", National Tumor Institute, Milan, Italy, March 29, 2004.
  43. "Genetic epidemiology", 14th European Conference on Clinical Microbiology and Infectious Diseases, Prague, Czech Republic, May 2, 2004.

44. "Coreceptor mutations and HIV-1 disease progression", University of Regensburg, Germany, May 13, 2004.
45. "CONSORT guidelines for reporting of harms", LENT V Workshop, Rochester, NY, USA, May 20, 2004.
46. "Quantitating the effects of polygenes by meta-analysis", European Calcified Tissue Society, Nice, France, June 8, 2004.
47. "What does secondary research and meta-analyses tell us about effectiveness of mental health interventions?", Paulo Foundation Symposium 2004: Effectiveness Research in Psychiatry, Lahti, Finland, May 27, 2004.
48. "Using randomized evidence for understanding adverse events", Epidemiology Days WEON, University of Leiden, Leiden, Netherlands, June 11, 2004.
49. "The value of meta-analysis in rheumatology research), Autoimmune Rheumatic Disease Days, in honor of Prof. HM Moutsopoulos, Athens, June 24-26, 2004.
50. "Antiretroviral therapy: past, present and future", European Society for Clinical Microbiology and Infectious Diseases, Athens, Greece, June 26, 2004.
51. "Immunogenetics of mother-to-child transmission", Federation of Mediterranean Obstetrics and Gynecological Societies, Palermo, Italy, October 9, 2004.
52. "Reporting biases", Meta-analysis in genetic epidemiology workshop, Cambridge, UK, November 3, 2004.
53. "Meta-analysis of individual participant data", Meta-analysis in genetic epidemiology workshop, Cambridge, UK, November 3, 2004.
54. "Meta-analysis", SNP and human disease workshop, Erasmus Medical Center and University of Rotterdam, Rotterdam, Netherlands, November 2004
55. "Integration bioinformatics: promises and challenges", First International Meeting on Pharmacogenetics of Osteoarticular Disorders", Florence, Italy, January 21-22, 2005.

56. "Meta-analysis in molecular medicine", National Institute of Public Health / University of Tokyo, Tokyo, Japan, February 2005.
57. "Meta-analysis in molecular medicine", University of Kyoto School of Public Health, Kyoto, Japan, February 2005.
58. "Do pharmacogenetics and pharmacogenomics fulfill their promises?" Debate with Hugh E. Montgomery from University College London, plenary at the 10th meeting of the European Association of Hospital Pharmacists, Lisbon, Portugal, March 2005.
59. "Meta-analysis in molecular medicine", Erasmus University Rotterdam, Department of Epidemiology and Biostatistics, Netherlands, April 4, 2005.
60. "Quantitative issues and biases in molecular research", Department of Biological Chemistry, University of Ioannina School of Medicine, Ioannina, Greece, April 6, 2005.
61. "Host genetics: methodology perspective for research in observational databases", Plenary presentation, 9th International Workshop on HIV Observational Databases, Budapest, Hungary, April 21-24, 2005.
62. "Meta-analysis in human genome epidemiology with application in Parkinson's disease", Workshop on Advances in Molecular Genetics and Epidemiology of Parkinson's Disease, Pitie-Salpetriere Hospital, Paris, France, May 13, 2005.
63. "Meta-analysis in genetics", Tele-presentation at Genetics of Prematurity Workshop, Office of Genomics and Disease Prevention, CDC, Atlanta, USA, May 23, 2005.
64. "Translation and replication: empirical evidence", Plenary talk, Symposium on Translational Research for Innovative Infectious Disease Control, WHO, Geneva, Switzerland, May 30, 2005.
65. "Common pitfalls in the reporting of systematic reviews", QUOROM meeting, Ottawa, Canada, June 1-3, 2005.
66. "Molecular bias", Annual Graduation Plenary Lecture, Department of Epidemiology and Biostatistics, Erasmus University Rotterdam, Netherlands, June 22, 2005.

67. “Using evidence at the bedside: generalizability, external validity and subgroup analysis”, European School of Oncology, Evidence-Based Oncology, Bonn, Germany, July 2005.
68. “Selected methodologic issues of evidence review”, Plenary lecture, KDIGO guideline development on kidney disease and hepatitis C infection, Boston, USA, July 2005.
69. “Candidate genes in endocrinology- pitfalls”, plenary at European Congress of Endocrinology, Goteborg, Sweden, September 7, 2005.
70. “Replication issues and large-scale evidence in pharmacogenomics”, Joint Cold Spring Harbor Laboratory/Wellcome Trust Conference on Pharmacogenomics, Hinxton, Cambridge, UK, September 14-18, 2005.
71. “Guideline development – procedures and instruments for appraisal”, EULAR recommendations for SLE workshop, Zurich, Switzerland, Sept 30-Oct 1, 2005.
72. “Bias in molecular epidemiology”, Bradford Hill Seminar, Cambridge University, Cambridge, UK, October 2005.
73. “A network of investigator networks in human genome epidemiology”, Cambridge, UK, October 6-7, 2005.
74. “Is really HIV multi-drug resistance a marker of poor survival?”, Workshop on HIV Multi-drug Resistance, Rome, Italy, October 14-15, 2005.
75. “Candidate genes and meta-analysis”, Erasmus University Rotterdam, Netherlands, October 21, 2005.
76. “Ethics and integrity in scientific research”, Erasmus University, Medical Faculty/Molecular Medicine Program, Rotterdam, Netherlands, October 2005.
77. “Meta-analysis in public health: potential and problems”, plenary workshop, European Public Health Association annual conference, Graz, Austria, November 11, 2005.
78. “Association studies”, CHAVI meeting, London, UK, December 16, 2005.
79. “Human Genome Epidemiology Roadmap: the Network of Networks”, plenary lecture, ECNIS

- Workshop, Athens, Greece, January 11, 2006.
80. "Reporting of harms in non-pharmacological trials", CONSORT meeting, Paris, France, Feb 8-10, 2006.
  81. "Evidence-based molecular medicine", Top 10 on infectious diseases, Henry Dunant Hospital, Athens, Greece, February 2006.
  82. "Credibility, replication and translation of research findings", grand rounds, University of California Davis, Medical Center, Davis/Sacramento, USA 2/21/2006.
  83. "Estimating the odds of truth in a research finding", plenary lecture, 6th International Campbell Colloquium, Los Angeles, USA, 2/23/2006 (discussants: Jeremy Grimshaw, William Shadish).
  84. "Methodological problems in discovery-oriented research", Molecular Medicine Tri-conference, Moscone Center, San Francisco, USA, 2/24/2006.
  85. "Meta-analysis", In: The Role of DNA Polymorphisms in complex Diseases", Colloquium organized by the Royal Dutch Academy of Arts and Sciences (KWAN), Trippenhuis, Amsterdam, Netherlands, 15/3/2006.
  86. "Neo-adjuvant vs. adjuvant therapy: evidence from randomized trials", plenary at 5th European Breast Cancer Conference, Nice, France, 23/3/2006.
  87. "Assessing the credibility of clinical research findings", grand rounds in Pediatrics, University Hospital, Ioannina, Greece, 29/3/2006.
  88. "The significance of statistically significant findings", Debate, 14<sup>th</sup> national Conference on Clinical Oncology, Ioannina, Greece, April 2006.
  89. "Meta-analysis", Clinical Studies and Objective Medicine course, Bodrum, Turkey, April 14-16, 2006.
  90. "Reporting adverse events in randomized trials", Clinical Studies and Objective Medicine course, Bodrum, Turkey, April 14-16, 2006.
  91. "Meta-analysis for association studies", in European School of Genetic Medicine, 2nd Course in Statistical Genetic Analysis of Complex Phenotypes: Focus on Association Studies, Bertinoro di

- Romagna, Italy, May 5, 2006.
92. “Testing lifestyle interventions in randomized clinical trials”, LifeGENE workshop, Karolinska Institute, Sigtuna, Sweden, May 8-9, 2006.
  93. “Estimating effects of risk alleles in populations using multicentre approaches and by meta analysis”, plenary talk at Genetic Aspect of Bone Disease: methods and applications, Prague, Czech Republic, May 10, 2005.
  94. “Why most published research findings should not be put into clinical practice”, plenary talk, Society for Clinical Trials 27th Annual Meeting, Orlando, USA, May 24, 2006.
  95. “Developing guidelines for genetic association research”, EQUATOR workshop, Oxford, UK, May 31, 2006.
  96. “Methodological problems and replication in discovery-oriented clinical research”, Centro Nacional de Investigaciones Oncologicas, Genomics and Medicine lecture series, Madrid, Spain, June 13, 2006.
  97. “Road map for efficient and reliable human genome epidemiology”, STREGA workshop, Ottawa, Canada, June 15-16, 2006.
  98. “Empirical evidence on reporting of genetic association studies”, STREGA workshop, Ottawa, Canada, June 15-16, 2006.
  99. “Inferences on causation on single studies”, STREGA workshop, Ottawa, Canada, June 15-16, 2006.
  100. “The use of meta-analyses on the safety of medications”, plenary talk, International Conference on Pharmacoepidemiology, International Society for Pharmacoepidemiology, Lisbon, Portugal, August 24, 2006.
  101. “Whole genome association study (LEAPS) replication findings”, 2nd annual meeting of Genetic Epidemiology in Parkinson disease, Santorini, Greece, September 10-12, 2006.
  102. “The Human Genome Epidemiology Network (HuGENet)”, 2nd annual meeting of Genetic Epidemiology in Parkinson disease, Santorini, Greece, September 10-12, 2006.

103. “Meta-analysis in molecular epidemiology”, University of Alabama Birmingham School of Public Health, Department of Biostatistics, Division of Statistical Genetics, Birmingham, Alabama, USA, September 2006.
104. “Why most published research findings are false”, Symposium on “Statistics, Images, and Perceptions of Truth: Detecting Research Bias and Misconduct”, University of Alabama Birmingham School of Philosophy and Center for Ethics and Office of Research Integrity, plenary, Birmingham, Alabama, USA, September 14-15, 2006.
105. “Is molecular profiling ready for use in clinical decision making?”, plenary symposium, European Society for Medical Oncology, Instabul, Turkey, Sept 29-Oct 2, 2006.
106. “Genetic epidemiology: where are we? Where we should go?”, closing plenary, Spanish Society of Epidemiology, Annual Conference, Logrono, Spain, October 6, 2006.
107. “Nesting lifestyle randomized trials in biobanks”, Life GENE meeting, tele-presentation, Sigtuna, Sweden, October 2006.
108. “The Human Genome Epidemiology Network: making sense of 10,000,000 postulated genetic risk factors”, Cochrane Colloquium, plenary, Dublin, Ireland, October 26, 2006.
109. “HIV treatment: are we doing the right studies?”, plenary talk Austrian National AIDS annual conference, October 27-29, Innsbruck, Austria, October 27-29.
110. “Literature-based vs individual participant data meta-analysis”, Integrating the Evidence on Gene-Disease Associations: Methods and applications of HuGE systematic reviews, MRC Biostatistics Unit, Cambridge, HuGE Net course, Cambirdge, UK, November 6-8, 2006.
111. “Reporting bias”, Integrating the Evidence on Gene-Disease Associations: Methods and applications of HuGE systematic reviews, MRC Biostatistics Unit, Cambridge, HuGE Net course, Cambridge, UK, November 6-8, 2006.
112. “The bigger picture: networks, consortia and field synopses”, Integrating the Evidence on Gene-Disease Associations: Methods and applications of HuGE systematic reviews, MRC

- Biostatistics Unit, Cambridge, HuGE Net course, Cambridge, UK, November 6-8, 2006.
113. “Meta-analysis in human genome epidemiology”, plenary talk, annual meeting, International Genetic Epidemiology Society, Tampa, FL, USA, November 16-17, 2006.
  114. “Meta-analyses in genetic epidemiology: making sense of 10.000.000 postulated genetic risk factors”, Institute Mario Negri, Milano, Italy, November 27, 2006.
  115. “Evidence-based medicine: a tool to verify and evaluate uncertainty, plenary at Symposium on “Areas of Uncertainty in Medicine”, Istituto Superiore di Sanita, Roma, Italy, November 28, 2006.
  116. “Genetic epidemiology: a HuGE experience”, invited lecture, London School of Hygiene and Tropical Medicine, London, UK, January 30, 2007.
  117. “Replication and non-replication: from candidate genes to genome-wide associations”, invited lecture, Wellcome Trust Centre for Human Genetics and Oxford University, Oxford, UK, January 31, 2007.
  118. “Claims that do not replicate in medical trials”, symposium lecture, American Association for the Advancement of Science (AAAS) annual meeting, San Francisco, CA, USA, February 16, 2007.
  119. “Translation, replication and credibility of research findings”, Great Teachers series, grand rounds at NIH Clinical Center, Bethesda, MD, USA, March 14, 2007.
  120. “Molecular evidence-based medicine: evolution and integration of information in the genomic era”, lecture on the receipt of the European Award for Excellence in Clinical Science, European Society for Clinical Investigation annual meeting, Uppsala University main amphitheater, Sweden, April 2007.
  121. “Meta-analysis in the genome-wide association setting”, SNP and complex diseases symposium, Amsterdam, Netherlands, April 2007.
  122. “Replication and validation for complex pathways in molecular epidemiology”, invited

- lecture, Approaches to Complex Pathways in Molecular Epidemiology, AACR/MEG joint meeting, New Mexico, USA, May 30-June 2, 2007.
123. “Credibility and translation of medical research”, grand rounds, Encino-Tarzana Medical Center, UCLA/USC, Los Angeles, USA, June 2007.
  124. “Why most published research findings are false”, grand rounds/plenary to all principal investigators, Academic Medical Center Amsterdam, Amsterdam, Netherlands, June 2007.
  125. “Can we trust any positive finding? Sources of and cures for bias”, plenary at the 32nd annual meeting of the WEON (Working-party Epidemiologic Research in the Netherlands), Maastricht, Netherlands, June 22, 2007.
  126. “Genes and meta-analysis”, Erasmus Summer Lectures, Erasmus University Rotterdam, Rotterdam, Netherlands, August 30, 2007.
  127. “To err is science”, invited professor lecture at German Institute for Quality and Efficiency in Health Care, Cologne, Germany, September 2007.
  128. “The future of academic medicine”, plenary at 3<sup>rd</sup> Turkish-Greek Rheumatology Days, Kusadasi, Turkey, September 2007.
  129. “Personalized therapies: can tumor gene profiling live up to expectations”, Debate lecture, Media event for the 25<sup>th</sup> anniversary of the European School of Oncology, Rome, Italy, October 2007.
  130. “Meta-analysis”, Symposium on SNPs and complex diseases, Erasmus University Rotterdam, Netherlands, November 2007.
  131. “Calibrating the credibility of research findings”, Rheumatology Grand Rounds, Tisch Hospital, New York University, NY, USA, December 2007.
  132. “Why some/many (all?) published clinical trials are false”, NYU Post-Graduate Medical School Clinical Research Methodology Course: Randomized Clinical Trials and the Real World, Hospital for Joint Diseases, New York, NY, USA, December 2007.

133. “Translational Research: bench to where?”, NYU Post-Graduate Medical School Clinical Research Methodology Course: Randomized Clinical Trials and the Real World, Hospital for Joint Diseases, New York, NY, USA, December 2007.
134. “Replication and inconsistency: a meta-analytic view”, invited professor lecture, Department of Social Medicine, Bristol University, Bristol, UK, January 15, 2008.
135. “Meta-analysis”, TREAT-OA meeting, London, January 16, 2008.
136. “Human genome epidemiology: building the knowledge base for genetic variation and human health”, plenary for CDC Celebration of 10 Years of Public Health Genomics: Translating Gene Discoveries into Population Health Benefits, Atlanta, GA, USA, January 23, 2008
137. “Meta-analysis in complex genetics”, symposium in honor of Prof. Andre Uitterlinden, Erasmus University Rotterdam, Netherlands, February 8, 2008.
138. “Assessing cumulative evidence”, Networks, Genome-Wide Association Studies, and the Knowledge Base on Genetic Variation and Human Health, HuGENet Workshop, Atlanta, GA, USA, January 24, 2008.
139. “Meta-analysis of GWA”, GEFOS meeting, Rotterdam, Netherlands, March 2008.
140. “Meta-analysis”, In: “The Role of DNA Polymorphisms in complex Diseases”, Colloquium organized by the Royal Dutch Academy of Arts and Sciences (KWAN), Trippenhuis, Amsterdam, Netherlands, March 18-21, 2008.
141. “Is molecular profiling currently ready for use in clinical decisions?”, Molecular Oncology workshop, Metsovo, Greece, March 28-30, 2008.
142. “Meta-analysis”, National Medical Conference, Athens, Greece, May 2008
143. “Future vision for larges-scale genomic research”, plenary, P3G meeting on biobanks, Barcelona, Spain, May 30, 2008.
144. “Meta-analysis: an advance on the RCT?”, plenary symposium on “How do I trat this patient? Deciding what to do”, American Thoracic Society, annual meeting, Toronto, Canada, May

- 20, 2008.
145. “Meta-analysis of GWA studies and replication thereof”, 3rd meeting of Genetic Epidemiology in Parkinson disease, Trondheim, Norway, June 9-11, 2008.
  146. “Genome wide association studies”, plenary, RIDE symposium, Royal Academy of Sciences, Amsterdam, Netherlands, June 18, 2008.
  147. “Evaluating cumulative evidence in genomic epidemiology”, plenary, IARC-EARC-AACR joint symposium, Lyon, France, July 2008.
  148. Five contributed papers presented at the annual meeting of the Society for Research Synthesis Methodology, Achilleion, Corfu, Greece, July 2008.
  149. “Early published research findings: the false and the inflated”, Mediterranean Institute for Life Sciences, Split, Croatia, July 2008.
  150. “Adverse effects of antidiabetic drugs”, hot topic plenary, International Conference on Pharmacoepidemiology, International Society for Pharmacoepidemiology annual meeting, Copenhagen, Denmark, August 19, 2008.
  151. “Integrating randomized and observational evidence”, symposium on “Balancing benefits and harms”, UK Academies of Medical Sciences, London, UK, September 5, 2008.
  152. “Evidence-based healthcare: large-scale evidence to improve outcomes for single patients?”, “Evidence-Based Dentistry in Practice” symposium, International Association for Dental Research, London, UK, September 10, 2008
  153. “Guidelines for neuropsychiatric lupus: methodological issues”, EULAR task force, Zurich, September 2008.
  154. “Large-scale evidence on lifestyle and gene-environment effects in biobanks and genetic consortia”, International Society for Nutrigenetics/Nutrigenomics (ISNN), Geneva, Switzerland, October 7, 2008
  155. “Concepts and challenges of personalized medicine”, University of Copenhagen,

- Copenhagen, Denmark, October 8, 2008.
156. “Integrating genomics into population health”, Life Science Institute Distinguished Lecture Series, National University of Singapore, Singapore, October 2008
  157. “Calibrating the credibility of research findings”, American College of Rheumatology annual meeting, San Francisco, USA, October 27, 2008.
  158. “Meta-analyses of GWAS and online meta-analyses”, Imperial College, London, UK, December 8, 2008.
  159. “Meta-analysis in the GWA setting”, Winter Meeting of the UK Molecular Epidemiology Group, Barcelona, Spain, December 2008.
  160. “Can lessons learned from genome-wide research be applied to nutrition-wide and exposure-wide evidence?” International Life Sciences Institute workshop on Decision making for recommendations and communication based on totality of food-related research, Washington, D.C., December 15, 2008.
  161. “Assessing cumulative evidence in genetic associations”, Personal Genomics workshop: Establishing the Scientific Foundation for Using Personal Genome Profiles for Risk Assessment, Health Promotion and Disease (jointly organized by CDC, NHGRI, NHLBI, NCI), Bethesda, MD, USA, December 17, 2008
  162. “Panel discussion on personal genomics”, Personal Genomics workshop (jointly organized by CDC, NHGRI, NHLBI, NCI), discussants and panel: Francis Collins, Kari Stefansson, John Ioannidis, Coleen McBride, Sharon Terry, Sharon Kardia, Bethesda, MD, USA, December 18, 2008
  163. “Selected issues of evidence review for development of recommendations”, EULAR guidelines for immunizations in autoimmune diseases, Zurich, Switzerland, March 2009.
  164. “Significance versus credibility in epidemiological research”, International Epidemiology Institute, Maryland, USA, March 23, 2009.
  165. “Meta-analysis for meta-genetics: the bright, the grey, and the dark matter”, Division of

- Genetics, Brigham and Women's Hospital, Harvard Medical School, Boston, USA, March 30, 2009.
166. "Statistically significant findings: the false, the inflated, and the useless", Department of Epidemiology, Harvard School of Public Health, Boston, USA, April 1, 2009
  167. "Design and bias issues in biomedical investigation", European Society for Clinical Investigation Annual meeting, Frankfurt, Germany, April 2009.
  168. "Assessing cumulative evidence on gene disease associations", IARC-NCI-HuGENet workshop on gene-environment interactions, IARC, Lyon, France, May 2009
  169. "Significance-chasing biases in biomedical publications", Center of Interdisciplinary Research, Faculty of Medicine, Paris Descartes University, Paris, May 2009.
  170. "Replication strategies for GWA studies", Genetic Epidemiology of Parkinson's Disease meeting, Tuebingen, Germany, July 2009.
  171. Six contributed papers in the annual meeting of the Society for Research Synthesis Methodology, Seattle, USA, July 2009.
  172. "Genetic associations: candidate claims versus genome-wide discoveries versus the dark matter", Psychosis Masterclass, organized by King's College, Athens, Greece, Oct 31, 2009.
  173. "Why most research findings are false and what to do about this", 40 years of Epidemiology in Erasmus, Rotterdam, Netherlands, November 2009.
  174. "GWAS: successes and dark matter", Tufts Molecular Medicine Series, Boston, January 5, 2010.

#### EDITOR, PEER-REVIEWER, CONSULTANT, AND OTHER APPOINTMENTS (selectively)

Editor-in-Chief (elected in 2008, started being responsible for manuscripts as of July 2009, first issue under my editorship published in January 2010) for the European Journal of Clinical Investigation. Impact factor (Thomson ISI 2007): 2.701 (22/100 in medicine, general and internal, 26/81 in medicine,

research and experimental.

Member of the editorial board for 22 other international peer-reviewed journals

JOURNAL (YEARS)	Impact factor (Thomson ISI 2007)
• Lancet (2005-)	28.638
• Journal of the National Cancer Institute (2005-)	15.678
• Annals of Internal Medicine (2007-)	15.516
• PLoS Medicine (2007-)	12.601
• AIDS (2004-2007, 2007-)	5.842
• International Journal of Epidemiology (2007-)	5.151
• Cochrane Library (1998-), editor, HIV/AIDS CRG	4.654
• Cancer Treatment Reviews (2006-)	4.539
• Guest editor, Seminars in Hematology (2008 issue)	3.192
• Journal of Clinical Epidemiology (2005-)	2.565
• BioMed Central Infectious Diseases (2000-)	2.021
• BioMed Central Medical Research Methodology (2000-)	1.990
• Clinical Trials (was Controlled Clinical Trials, 2004-)	1.887
• Journal of Evaluation in Clinical Practice	1.570
• Journal of Empirical Research in Human Research Ethics (2006-)	New
• PLoS ONE (2006-)	New
• Annals of Gastroenterology (1999)	Greek
• Open Medicine (2007-)	New
• Journal of Spurious Correlations (2007-, in planning phase)	New

- BMC Research Notes (2008-, in planning phase) New
- Cases Journal (2008-) New
- Human Genomics and Proteomics (2008-) New
- Research Synthesis Methods (2008-, first issue in 2010) New
- GAPP Reviews (2009-) New
- International Journal of Molecular Epidemiology and Genetics (2009-)New
- Italian Journal of Public Health (2009-) New

Peer-reviewer for several hundreds of manuscripts in 120 different peer-reviewed journals:

AIDS, AIDS Research and Human Retroviruses, American Journal of Epidemiology, American Journal of Human Genetics, American Journal of Medicine, American Journal of Psychiatry, Annals of Internal Medicine, Annals of Neurology, Annals of the Rheumatic Diseases, Antiviral Therapy, Archives of General Psychiatry, Archives of Internal Medicine, Arthritis and Rheumatism, Arthritis Research and Therapy, Atherosclerosis, Thrombosis and Vascular Biology, Biometals, Biotechniques, Blood Coagulation and Fibrinolysis, BMC Anesthesiology, BMC Bioinformatics, BMC Gastroenterology, BMC Health Services Research, BMC Infectious Diseases, BMC Medical Research Methodology, BMC Medicine, BMC Psychiatry, BMC Public Health, BMJ (British Medical Journal), British Journal of Hematology, Calcified Tissue International, Cancer Epidemiology, Biomarkers and Prevention, Cancer Letters, Cancer Treatment Reviews, Circulation, Clinical Cancer Research, Clinical Endocrinology, Clinical Infectious Diseases, Clinical Trials, CMAJ (Canadian Medical Association Journal), Contemporary Clinical Trials, Controlled Clinical Trials, Drug Discovery Today, Drugs and Aging, Drug Safety, Emerging Infectious Diseases, Epidemiology, European Cytokine Network, European Journal of Cancer, European Journal of Clinical Investigation, European Journal of Epidemiology, European Journal of Human Genetics, FASEB Journal, Genetic Epidemiology, Genetics in Medicine, Genomics,

Gut, HIV Clinical Trials, HIV Immunology Database, Human Genetics, Human Heredity, Human Immunology, Human Reproduction, Human Reproduction Update, International Journal of Biochemistry and Cell Biology , International Archives of Allergy and Immunology, International Journal of Cancer, International Journal of Epidemiology, International Journal of Immunogenetics, JAMA (Journal of the American Medical Association), Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology, Journal of Antimicrobial Chemotherapy, Journal of Bone and Mineral Research, Journal of Clinical Epidemiology, Journal of Epidemiology and Community Health, Journal of General Internal Medicine, Journal of Infectious Diseases, Journal of Medical Genetics, Journal of Reproductive Immunology, Journal of Rheumatology, Journal of the National Cancer Institute, Kidney International, Lancet, Lancet Infectious Diseases, Lancet Neurology, Lung Cancer, Lupus, Maturitas, Mayo Clinic Proceedings, Molecular Genetics and Metabolism, Molecular Psychiatry, Nature, Nature Clinical Practice Cardiovascular Medicine, Nature Clinical Practice Rheumatology, Nature Genetics, Nature Reviews Genetics, NEJM (New England Journal of Medicine), Obstetrics and Gynecology, Paediatric and Perinatal Epidemiology, Pediatric Infectious Diseases Journal, Pharmacogenetics and Genomics , Pharmacogenomics, Pediatrics, Physiology and Behavior, PLoS Computational Biology, PLoS Medicine, PLoS ONE, PNAS (Proceedings of the National Academy of Sciences USA), Psychiatric Research, Quarterly Journal of Medicine, Rheumatology, Scandinavian Journal of Rheumatology, The Cochrane Library, Tissue Antigens, Trials, Trends in Genetics, Trends in Microbiology, Trends in Pharmacological Sciences, Urology

- Invited external expert for the National Health Research and Development Program of Canada (1995).
- Invited peer-reviewer for strategic plan grant application, Medical Research Council (MRC), UK (1998).
- Primary reviewer for antiretroviral trials sponsored through ACTG and CPCRA at the Clinical Science Review Committee of the Division of AIDS, National Institutes of Health (1996 -8).

- Invited to contribute and assess questions for the Certification Examinations of the American Board of Internal Medicine, subspecialty Infectious Diseases (1997 and 1998).
- Peer-reviewer, Minority AIDS Training Program Fellowship, ACTG (1998).
- Consultant, Workshop on Research Needs for the Design of Surrogate Endpoints in Clinical Trials, Office of Science Policy, Office of the Director, National Institutes of Health (1998).
- Invited external reviewer for grant applications at the Committee for Biomedical Research, Central Health Council, Greece (1999).
- Reviewer for research grant applications and physician and director appointments, Hellenic Center for Infectious Disease Control , Greece (2000, 2001)
- Editor for therapeutics, prognostics, and diagnostics, HIV/AIDS Collaborative Review Group, International Cochrane Collaboration. (1998-)
- Member, Committee for Approval of Clinical Trials, Hellenic Foundation for Medicines, Greece, 1999-2000
- Member, Committee for Antibiotic Use Hellenic Foundation for Medicines, Greece, 2000-2002
- Vice President, Board of Directors, Hellenic Center for Infectious Disease Control , Ministry of Health, Greece, 2000-1
- Member (expert), Greek delegation, European Union Council of Ministers of Health, Luxembourg, 6/2000
- Expert, High Level Round Table on Infectious Diseases and Poverty Reduction, European Commission/WHO/UNAIDS, Bruxelles, 9/2000
- Co-ordinating committee, MSc Program in Social Psychiatry, University of Ioannina, 2001-
- Director, Sector of Social Medicine and Mental Health, University of Ioannina School of Medicine, 2001-2002, 2003-2004, 2005-2006, 2007-2008
- Member, Administrative Council, University of Ioannina School of Medicine, 2001-2 and 2003-2004.

- Collaborating Scientist, Biomedical Research Institute, Foundation for Research and Technology-Hellas, Ioannina, 2001-
- External reviewer, MRC, UK, 2003
- Book reviewer, Wiley, 2003, 2004, 2006
- Associate Editor, Encyclopedia of Clinical Trials, Wiley
- Member, Executive Committee, Human Genome Epidemiology (HuGE) Network, Centers for Disease Control and Prevention, Atlanta, USA, 3/2004-
- Adverse Event Reporting in Oncology (AERO), Executive Committee, 4/2004-
- Reviewer, European Science Foundation, 2004
- Member, Working Party, International Campaign to Revitalise Academic Medicine, 2004- (sponsored by BMJ and Lancet)
- External Reviewer, Swiss National Science Foundation, 2005
- Invited methodologist expert, KDIGO guidelines (international guidelines on kidney diseases), 2005-
- Founding member, Society for Research Synthesis Methodology, 2006-
- Member, Faculty of 1000 Medicine
- Evaluator, MacArthur Fellowship nominations, 2007
- Research grant evaluator, FP7, European Commission, 2007
- External reviewer, Research Grant council of Hong Kong, 2007
- Member of review panel/study section, NIMH, NIH, 2008
- Invited by several other national and international research grants organizations to act as reviewer, but have declined many/most of them, especially when physical presence has been required and international travel is involved.
- President-elect, Society for Research Synthesis Methodology, 2008-9

- President, Society for Research Synthesis Methodology, 2009-10

CHAIRMAN IN SESSIONS OF INTERNATIONAL CONFERENCES: 27

MEMBER OF SCIENTIFIC COMMITTEES OF INTERNATIONAL CONFERENCES: 28

EXTERNAL REFEREE FOR FACULTY PROMOTIONS: for 10 universities/institutions – including 5 university schools in Greece (outside of the University of Ioannina: Athens, Salonica, Patras, Crete, Thessaly), 3 in the USA (Johns Hopkins, Brown, Tufts), 1 in Canada (University of British Columbia), and the Netherlands Royal Academy of Arts and Sciences

EXTERNAL REFEREE FOR PhD THESES: 13

## SUPERVISOR FOR AWARDED PhD TITLES IN THE LAST DECADE: 12

- Evangelos Evangelou
- Ioannis Giannakakis
- Anna-Bettina Haidich
- Petros Isaakidis
- Fotini Kavvoura
- Davide Mauri
- Evangelia Ntzani
- Emilios Pakos
- Panagiotis Papanikolaou
- Nikolaos Patsopoulos
- Athina Tatsioni
- Thomas Trikalinos

Six of these scientists already have obtained faculty appointments in Greece or/and the USA. Many other young researchers who trained with me as fellows (not PhD-related) already have faculty positions (in various countries).

## COMPETITIVE RESEARCH FUNDING

From NIH, U.S. AHRQ, European Commission, Canadian Institute of Health Research, General Secretariat for Research and Technology (Greece), Michael J. Fox Foundation, Gani Foundation. The list of grants in the last 7 years with principal investigator role (single PI or one of several PIs (Co-PI)) includes:

- PENED grant, General Secretariat for Research and Technology, Greece and European

Commission, 2002-2005, “Meta-analysis in genetic informatics”, Sole PI

- European Commission, Concerted Action “Evidence based treatment in mental health: optimized use of databases”, QLRT-1999-31201, 2000-2003, Co-PI
- European Commission, Shared Cost RTD “GENOMOS: Genetic markers of osteoporosis”, QLRT-2001-02629, 2002-2006, Co-PI
- European Commission, Accompanying measure “AGREE: Towards effective health care policy in Europe: promoting a coherent approach to the development, dissemination, and assessment of clinical guidelines through established networks”, QLAM-2001-0057, 2002-2004, Co-PI.
- European Commission, “Evidence for Drugs and Alcohol Policy (EDAP): Cochrane Systematic Reviews”, 2003-2005, Co-PI
- Esther and Joseph Gani foundation, “International meta-analysis on anti-P antibodies in SLE”, 2003-2005, Sole PI
- Michael J. Fox Foundation, “Meta-analysis of genetic epidemiology studies for Parkinson’s disease”, 2004-5, Co-PI
- PENED grant, General Secretariat for Research and Technology, Greece, and European Commission, “Large scale evaluation of genetic information for multifactorial disease”, 2005-2008, Sole PI
- Michael J. Fox Foundation, “Large-scale validation of whole genome association findings for Parkinson’s disease”, 2005-2006, Co-PI
- Canadian Institute of Health Research (CIHR), “Development of optimal methods for synthesizing evidence on gene disease associations and related interventions”, 2007-2008, Co-PI
- European Commission, FP-7-Health-2007, “Translational Research in Europe – Applied Technologies for Osteoarthritis (TREAT-OA)”, 1/2008-12/2012, Co-PI.
- European Commission, FP-7-Health-2007, “Genetic factors for osteoporosis (GEFOS)”, 3/2008-2/2012, Co-PI

### OTHER IMPACT:

- According to Thomson ISI Web of Knowledge: approximately 15,000 citations, according to SCOPUS: approximately 16,500 citations; according to GoogleScholar: approximately 21,000 citations. Of those, about 10% (approximately 1,500-2,000 citations) refer to modified group authorship papers (see list of publications above).
- Hirsch citation indices (per Hirsch, PNAS 2005) based on Thomson ISI Web of Knowledge: h index=56, i.e. 56 papers have  $\geq 56$  citations each (h=58 after including group authorship papers), m index =3.7 where  $m=h/y$ , y=number of years publishing peer-reviewed papers; h=60 (61 after including group authorship papers) according to Scopus and 71 (72 after including group authorship papers) according to GoogleScholar (thus, m index ranging from 3.9 to 4.4 per these databases).
- Listed among the highly cited scientists in the ISI Essential Science Indicators with twenty-one papers (two with group authorship) listed as top papers by ISI Essential Science Indicators in the last decade in the domains of Clinical Medicine, Molecular Biology and Genetics, Biology and Biochemistry, and Computer Science.
- Who is Who in Medicine and Healthcare, 2002-2003; Who is Who in Science and Engineering, 2003-2004; Who is Who in the World, 2004 (Marquis Who is Who).
- A total of at least 67 publications have been accompanied by editorials in the same journal issue as they were published.
- Many publications have been covered by press releases by Reuters or Associated Press. Comments and coverage on my work have appeared repeatedly in Science, Nature, New Scientist, Scientist, Science AAAS News, Scientific American, general journals (e.g. Economist, Forbes, Newsweek, Wall Street Journal, Technology Review), and hundreds of international newspapers and news media around the world. I have given interviews for my work on the National Public Radio (NPR On The Media), and

national radio/TV channels in Australia (Australian Broadcasting Corporation), Switzerland, Austria, Germany, Denmark, among others. The 2005 paper on “Why most published research findings are false” is the most frequently downloaded article in the history of the Public Library of Science and has been described by Boston Globe as an instant cult classic.

OTHER INTERESTS:

Poetry, literature, history, classical music, remote islands of the Mediterranean, the beautiful mountains surrounding Ioannina, sports (swimming, epee fencing), spending time with my wife and my daughter