

PROMOTION RECOMMENDATION
The University of Michigan
School of Public Health
Department of Epidemiology
Department of Environmental Health Sciences

Ana Baylin, assistant professor of epidemiology, Department of Epidemiology, and assistant professor of environmental health sciences, Department of Environmental Health Sciences, School of Public Health, is recommended for promotion to associate professor of epidemiology, with tenure, Department of Epidemiology, and associate professor of environmental health sciences, without tenure, Department of Environmental Health Sciences, School of Public Health.

Academic Degrees:

DrPH	2002	Harvard School of Public Health, Boston, Massachusetts
MSc	1999	Harvard School of Public Health, Boston, Massachusetts
MPH	1994	National School of Public Health, Madrid, Spain
MD	1993	University of Alcalá de Henares, Madrid, Spain

Professional Experience:

2011 to present	Assistant Professor, University of Michigan, School of Public Health, Department of Environmental Health Sciences, Ann Arbor, Michigan
2009 to present	Assistant Professor, University of Michigan School of Public Health, Department of Epidemiology, Ann Arbor, Michigan
2009 to present	Adjunct Assistant Professor, Brown University, Providence, Rhode Island
2006-2009	Assistant Professor of Medical Sciences (Epidemiology), Brown University, Providence, Rhode Island
2006	Adjunct Professor, National University, Bogota, Colombia
2003-2006	Postdoctoral Research Associate, Harvard School of Public Health, Department of Nutrition, Boston, Massachusetts
2002-2003	Post-doctoral Research Fellow, Harvard School of Public Health-Muhimbili College of Health Sciences cooperation. Dar-es-Salaam, Tanzania
1998-1999	Public Health Officer, Junta de Comunidades de Castilla-La Mancha, Spain
1997	Research Associate/Epidemiologist, National School of Public Health, Instituto de Salud Carlos III, Madrid, Spain
1994-1996	Medical Resident in Preventive Medicine and Public Health, La Paz Hospital, Madrid, Spain

Summary of Evaluation:

Teaching: Professor Baylin is a dedicated and innovative teacher. Since joining the Department of Epidemiology as an assistant professor, Professor Baylin has been an extraordinary 'pinch hitter' for the department, taking over two courses at the last minute. Her teaching ability is reflective of her EPID 807 "Controversial topics in nutrition" course that she developed. Her skill in translating the complexities of nutritional epidemiology and core epidemiology methods is reflected in the very good overall rankings on her annual teaching evaluations. On a five-point scale, her Q1 and Q2 scores averaged 4.00 and 4.48 over the last two years.

Over the last two years, Professor Baylin has been the capstone advisor for two Master's students (Epid 659), as well as currently working with four PhD students as advisor or on their committees.

Research: Professor Baylin's main research focus is on cardiovascular disease, obesity, and the metabolic syndrome in international settings (Costa Rica, Colombia, Samoan Islands, Tanzania, Equatorial Guinea). Her four domains of research include nutrition factors and chronic disease in developing countries, gene-diet interactions, dietary methods, and triggers of myocardial infarction. Since joining the Department of Epidemiology, Professor Baylin has continued her wide range of research interests publishing on everything from 1) the association of genetic variation in Stearoyl CoA Desaturase 1 with metabolic syndrome prevalence in Costa Rican adults, 2) deriving and validating of a new cardiovascular risk score in the Costa Rica Study, 3) investigating whether adipose tissue palmitoleic acid behaves as a lipokine in obesity, and 4) hepatic lipase polymorphisms and myocardial infarction. Professor Baylin is very successful at securing the funds that are necessary for her research vision and we expect a long productive history of research given the ways in which she has developed her research connections locally, nationally, and internationally.

Recent and Significant Publications:

- E Villamor, C Marin, M Móra-Plazas, A Baylin. 2011. Vitamin D deficiency and age at menarche: A prospective study, *Amer. J. of Clinical Nutrition*, 94(4):1020-5.
- A Baylin, E Ruiz-Narvaez, H Campos. 2010. Association between hepatic lipase-514 C/T promoter polymorphism and myocardial infarction is modified by history of hypercholesterolemia and waist circumference. *Nutrition, Metabolism, and Cardiovascular Diseases*, 20(7):498-504.
- JR DiBello, P Kraft, ST McGarvey, R Goldberg, H Campos, A Baylin. 2008. Comparison of 3 methods for identifying dietary patterns associated with risk of disease, *American J. of Epidemiology*, 168(12):1433-43.
- A Baylin, S Hernandez-Diaz, EK Kabagambe, X Siles, H Campos. 2006. Transient exposure to coffee as a trigger of a first nonfatal myocardial infarction, *Epidemiology*, 17(5): 506-11.
- A Baylin, E Ruiz-Narvaez, P Kraft, H Campos. 2005. α -Linolenic acid, Δ^6 -desaturase gene polymorphism, and the risk of nonfatal myocardial infarction, *Amer. J. of Clinical Nutrition*, 85(2):554-60.
- A Baylin, MK Kim, A Donovan-Palmer, X Siles, L Dougherty, P Tocco, H Campos. 2005. Fasting whole blood as a biomarker of essential fatty acid intake in epidemiologic studies: Comparison with adipose tissue and plasma," *Amer. J. of Epidemiology*, 162(4):373-81.
- A Baylin, EK Kabagambe, A Ascherio, D Spiegelman, H Campos. 2003. "Adipose tissue α -linolenic acid and nonfatal acute myocardial infarction in Costa Rica," *Circulation*, 107(12): 1586-91.

Service: Professor Baylin has been a special grants reviewer for the National Heart Lung Blood Institute on three occasions. She has been a member of the department's admissions committee. She is also an active member of the general epidemiology program committee and the international health program committee. Her expertise in both biostatistics and epidemiology in theory, methods, and practice has made her an important contributor to the department's curricular evaluation and evolution. She has also served on one of our epidemiology junior faculty search committees. Professor Baylin has been a member of the SPH global health program and has reviewed applications for research awards. Professor Baylin is a member of the American Heart Association and American Society for Nutrition. She is also a member of the Society of Epidemiologic Research which is the professional home of our nation's best research epidemiologists.

External Reviewers:

Reviewer A: "Dr. Baylin is a rising star in our field and would be a credit to any institution's faculty."


Reviewer B: "Dr. Baylin has rapidly established a remarkably productive research program that has attained great visibility. She has been very prolific in terms of grant writing and publishing in leading journals in the field.... Her research on triggers of myocardial infarction is particularly innovative as she is conducting cutting-edge science about how triggers of myocardial infarction affect acute cardiac events."

Reviewer C: "Dr. Baylin has an outstanding record of significant contributions to the field of dietary factors in relation to the etiology and prevention of chronic disease in developing countries. This work is unique and has contributed importantly to our understanding of how diet may influence the subsequent development of chronic disease, thereby facilitating the development of novel and appropriate dietary prevention strategies. Dr. Baylin has established an original and independent area of nutritional epidemiology research and is now a nationally and internationally recognized scientist in the field."

Reviewer D: "Prof. Baylin is clearly a very focused researcher. Her work on dietary factors associated with chronic diseases in developing countries is not only timely but helps contribute to the recent paradigm shift in understanding the health problems of developing world. Her research work has clearly been of high impact: widely cited in several editorial pieces, potential translation into health policies and as invited keynote speaker."

Reviewer E: "Dr. Baylin is clearly among the world leaders in key areas of nutrition research ... The quality of her work compared with her peers in nutritional epidemiology is outstanding and has had major scientific and public health impact."

Summary of Recommendation: Professor Baylin is an outstanding researcher and a dedicated teacher. Her productivity has provided research and training opportunities to numerous students. She has also contributed nationally to our understanding of cardiovascular disease, obesity, and the metabolic syndrome in international settings. I enthusiastically recommend Professor Ana Baylin for promotion to associate professor of epidemiology, with tenure, Department of Epidemiology, and associate professor of environmental health sciences, without tenure, Department of Environmental Health Sciences, School of Public Health.



Martin A. Philbert
Dean, School of Public Health

May 2012