

March 12, 2019

CURRICULUM VITAE

USAMA BILAL, M.D., M.P.H., Ph.D.

PERSONAL DATA

Work Address

Urban Health Collaborative, Drexel University
3600 Market St, Rm. 730, Philadelphia, PA 19104

Email: ubilal@drexel.edu

Website: www.usamabilal.info

Citizenship Status: Spanish Citizen (EAD/AP)

EDUCATION

- | | |
|----------|--|
| PhD/2017 | Johns Hopkins Bloomberg School of Public Health, Baltimore, MD (Cardiovascular Epidemiology). Thesis Title: “ <i>Neighborhood Social and Economic Change, Food Environment Change and Diabetes incidence in Madrid, Spain</i> ”. Advisor: Dr. Thomas A. Glass & Dr. David D. Celentano |
| MPH/2012 | University of Alcalá/National School of Public Health, Madrid, Spain |
| MD/2011 | University of Oviedo, Asturias, Spain. |

OTHER SIGNIFICANT TRAINING

- | | |
|-----------|---|
| 2018 | Population and the Environment Short Course, Santa Fe Institute (2 days) |
| 2017 | Complex Systems in Public Health, University of Michigan (1 week) |
| 2016 | Complex Systems Summer School, Santa Fe Institute (1 month). |
| 2009-2011 | Epidemiology Internship (6 months). National Center for Cardiovascular Research (CNIC), Madrid, Spain. <i>Supervisor:</i> Dr. Manuel Franco. |
| 2008-2011 | Laboratory Internship (3 years, part time). Medical School, University of Oviedo, Oviedo, Spain. <i>Supervisor:</i> Dr. Manuel Sanchez. |
| 2008 | Laboratory Internship (1 month). Centre de Recherche de L’Hôpital Saint-Luc, Montreal, Canada. <i>Supervisor:</i> Dr. Suhayla Mukaddam-Daher. |

PROFESSIONAL EXPERIENCE

- 2019-Present Assistant Professor (tenure-track), Department of Epidemiology and Biostatistics & Urban Health Collaborative, Drexel Dornsife School of Public Health, Philadelphia, PA.
- 2018-2019 Assistant Research Professor, Department of Epidemiology and Biostatistics & Urban Health Collaborative, Drexel Dornsife School of Public Health, Philadelphia, PA.
- 2017-2018 Postdoctoral Research Fellow, Urban Health Collaborative, Drexel Dornsife School of Public Health, Philadelphia PA.
Supervisor: Dr. Ana Diez-Roux
- 2014-2017 Research Assistant, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD.
Supervisors: Dr. Bryan Lau & Dr. Geetanjali Chander
- 2011-2013 Research Assistant, Social and Cardiovascular Epidemiology Research Group, University of Alcalá, and Department of Epidemiology, National Center for Cardiovascular Research and Madrid, Spain.
Supervisor: Dr. Manuel Franco

PROFESSIONAL ACTIVITIES

Society Membership

- 2011-present Spanish Society of Epidemiology
- 2011-present Spanish Society of Public Health and Health Administration
- 2013-present American Heart Association, Epidemiology and Prevention Council
- 2013-present Society for Epidemiologic Research
- 2018-present American Public Health Association
- 2018-present Interdisciplinary Association for Population Health Science

EDITORIAL ACTIVITIES

Peer Review Activities. Journal Reviewer

BMC Genomics, PeerJ, Preventive Medicine, Tobacco Control, Public Health Nutrition, Epidemiology, Gaceta Sanitaria, International Journal of Health Geographics, Circulation, Journal of Epidemiology and Community Health, Nutrients, Diabetes Care, PLOS ONE, Global Public Health, Journal of General Internal Medicine, Journal of Urban Health, Landscape and Urban Planning, Revista Peruana de Medicina Experimental y Salud Pública, BMJ Open, Journal of the American Society of Nephrology, Journal of Healthcare for the Poor and Underserved, Journal of Health Economics, Public Health Reports, Cities and Health, Annals of Internal Medicine, American Journal of Epidemiology, Health and Place.

Review of Abstracts for Scientific Meetings

- 2013 Spanish Society of Epidemiology Annual Meeting
 2014-2019 Society for Epidemiologic Research Annual Meeting

HONORS AND AWARDS

- 2010-2011 Ministry of Education Collaboration Scholarship, Spain
- 2009-2011 *CICERONE* Undergraduate Research Scholarship, National Center for Cardiovascular Research, Madrid, Spain
- 2013-2015 *La Caixa* Postgraduate International Fellowship, Spain
- 2013-2015 *Enrique Najera* award for young epidemiologists, Spanish Society for Epidemiology, Spain
- 2014 Society for Epidemiologic Research top 3 presentation at the 4th Annual SERdigital Student Novel Methods Web Conference
- 2015 Charlotte Silverman Fund, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2015-2017 CLF-Lerner Fellow, Center for a Livable Future, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2016 Carol Buck Student Prize Paper Award (*Finalist*), Society for Epidemiologic Research and 2016 Epidemiology Congress of the Americas, Miami, FL
- 2016 Dorothy and Arthur Samet Student Support Fund, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2017 Delta Omega Alpha Chapter, Inductee
- 2018 Best Paper in Epidemiology (2nd prize), Spanish Society of Epidemiology 2018 Meeting, Lisbon, Portugal

PUBLICATIONS*Peer Reviewed Journal Articles (* denotes co-first authorship)*

1. Miles B, **Bilal U***, Hutton H, Lau B, Lesko C, Fojo A, McCaul M, Keruly J, Moore R, Chander G. Smoking, Substance Use, and Mental Health Symptoms in People with HIV in an Urban, HIV Clinic. *Journal of Health Care for the Poor and Underserved* 2019. *Accepted for Publication*

2. **Bilal U**, Cainzos-Achirica M, Cleries M, Santaeugenia S, Corbella X, Comin-Colet J, Vela E. Socioeconomic Status, Life Expectancy and Mortality in a Universal Healthcare Setting: An Individual-Level Analysis of More Than 6 Million Catalan Residents. *Preventive Medicine* 2019. *Accepted for Publication*
3. Cainzos-Achirica M, Vela E, Cleries M, **Bilal U**, Mauri J, Pueyo MJ, Rosas A, Blaha MJ, Kanaya AM, Enjuanes C, Garcia-Eroles L, Comin-Colet J. Cardiovascular Risk Factors and Disease among Non-European Immigrants Living in Catalonia. *Heart* 2019. *In Press*
4. Quistberg DA, Diez-Roux AV, **Bilal U**, Moore K, Ortigoza A, Rodriguez DA, Sarmiento OL, Frenz P, Friche AA, Caiaffa WT, Vives A, Miranda JJ, the SALURBAL Group. Building a Data Platform for Cross-Country Urban Health Studies: the SALURBAL Study. *Journal of Urban Health* 2018. *In Press*
5. Cainzos-Achirica M, Capdevila C, Vela E, Cleries M, **Bilal U**, Garcia-Altes A, Enjuanes C, Garay A, Yun S, Farre N, Corbella X, Comin-Colet J. Individual Income, Mortality and Healthcare Resource Use in Patients with Chronic Heart Failure Living in a Universal Healthcare System: A Population-Based Study in Catalonia, Spain. *Int J Cardiol.* 2019 Feb 15;277:250-257
6. Diez J, **Bilal U**, Franco M. Unique features of the Mediterranean food environment: Implications for the prevention of chronic diseases. *Eur J Clin Nutr.* 2018 *In Press*
7. **Bilal U**, Hill-Brigs F, Sanchez-Perruca L, del Cura I, Franco M. Association of Neighborhood Socioeconomic Status and Diabetes Burden using Electronic Health Records in Madrid (Spain): The Heart Healthy Hoods Study. *BMJ Open.* 2018;8:e021143.
8. Cainzos-Achirica M, **Bilal U***, Al Rifai M, McEvoy JW, Blumenthal RS, Kapoor K, Martin-Sanchez JM, Comin-Colet J, Pladevall-Vila M, Blaha MJ. Communication Issues in Nutritional Observational Research. *Preventive Medicine.* 2018 Oct;115:76-82.
9. Valiente R, Sureda F, **Bilal U**, Navas-Acien A, Pearce J, Franco M, Escobar FJ. Regulating the local availability of tobacco retailing in Madrid, Spain: a GIS study to evaluate compliance. *Tobacco Control.* 2018 *In Press*
10. **Bilal U**, Auchincloss AH, Diez-Roux AV. Neighborhood Environments and Diabetes Risk and Control. *Current Diabetes Reports.* 2018;18:62
11. **Bilal U**, Diez-Roux AV. Troubling Trends in Health Disparities. *New England Journal of Medicine.* 2018 Apr 19;378(16):1557-1558.
12. Knapp EA, **Bilal U**, Burke BT, Dougherty GB, Glass TA. A network approach to understanding obesogenic environments for children in Pennsylvania. *Connections.* 2018;38(1):1-11

13. Sureda F, **Bilal U**, Fernandez E, Valiente R, Escobar FJ, Navas-Acien A, Franco M. Second-hand smoke exposure in outdoor hospitality venues: smoking visibility and assessment of airborne markers. *Environmental Research*. 2018 Aug;165:220-27
14. Martin-Sanchez J, Martinez-Sanchez J, **Bilal U**, Cleries R, Marcela F, Cristina L, Sureda F, Franco M, Fernandez E. Sex and age specific projections of smoking prevalence in Spain: a Bayesian approach. *Nicotine & Tobacco Research*. 2018 May 3;20:725-30
15. **Bilal U**, Jones-Smith J, Diez J, Lawrence RS, Celentano DD, Franco M. Neighborhood social and economic change and retail food environment change in Madrid (Spain): The Heart Healthy Hoods Study. *Health & Place*. 2018 May;51:107-17.
16. **Bilal U**, Lau B, Matthews CW, Mayer K, Geng E, Napravnik S, Eron JJ, Mugavero MJ, Hutton H, Cropsey K, McCaul ME, Crane H, Chander G. Predictors of Longitudinal Trajectories of Alcohol Consumption in People with HIV. *Alcohol Clinical and Experimental Research*. 2018 Mar;42(3):561-570.
17. **Bilal U**, Knapp EA, Cooper RS. Swing Voting in the 2016 Presidential Election in Counties Where Midlife Mortality has been Rising in White Non-Hispanic Americans. *Social Science and Medicine*. 2018 Jan;197:33-38
18. Cainzos-Achirica M, **Bilal U***, Kapoor K, Quispe-Ayala R, McEvoy JW, Pladevall-Vila M, Blumenthal RS, Blaha MJ. Methodological Issues in Nutritional Epidemiology Research – Sorting Through the Confusion. *Current Cardiovascular Risk Reports*. 2018;12:4
19. Goldstein D, **Bilal U**, Prasad V. Pembrolizumab as first line therapy in PD-L1 positive advanced lung cancer: Is it as effective as we think it is? *Cancer*. 2017; 123(20):3872-3874
20. Gullon P, **Bilal U***, Cebrecos A, Badland HM, Galan I, Franco M. Socioeconomic Determinants of Small-Area Walkability in Madrid: The Heart Healthy Hoods Project. *International Journal of Health Geographics*. 2017; 16:21
21. Martin-Sanchez J, **Bilal U**, Cleries R, Lidon-Moyano C, Marcela F, Gonzalez-de Paz L, Franco M, Fernandez E. Martinez-Sanchez J. Modelling Lung Cancer Mortality Rates from Smoking Prevalence: Fill in the Gap. *Cancer Epidemiology*. 2017 May 18;49:19-23
22. **Bilal U**, Cooper RS, Abreu FM, Nau C, Franco M, Glass TA. Economic growth and mortality: do social protection policies matter? *International Journal of Epidemiology* 2017 Aug 1;46(4):1147-1156.
23. Fuentes S, **Bilal U**, Galan I, Villalbi JR, Espelt A, Bosque-Prous M, Franco M, Lazo M. Binge drinking and well-being in European Older Adults: Do gender and region matter? *European Journal of Public Health*. 2017 Aug 1;27(4):692-699.

24. Cebrecos A, Diez J, Gullon P, **Bilal U**, Franco M, Escobar F. Characterizing physical activity and food urban environments: a GIS-based multicomponent proposal. *International Journal of Health Geographics*. 2016;15:35
25. **Bilal U**, Diez J, Alfayate S, Gullon P, del Cura I, Escobar F, Sandin M, Franco M. Population Cardiovascular Health and Urban Environments: The Heart Healthy Hoods exploratory study in Madrid, Spain. *BMC Medical Research Methodology*. 2016;16:104
26. Diez J, **Bilal U**, Cebrecos A, Buczynski A, Lawrence RS, Glass TA, Escobar F, Gittelsohn J, Franco M. Understanding differences in the local food environment across countries: A case study in Madrid (Spain) and Baltimore (USA). *Preventive Medicine*. 2016 Aug; 89: 237-244
27. Carrasco M, **Bilal U**. A Sign of the Times: To Have or To Be? Social Capital or Social Cohesion? *Social Science and Medicine*. 2016 Jun 159: 127-131
28. **Bilal U**, Beltran P, Navas-Acien A, Fernandez E, Bolumar F, Franco M. Gender Equality and Smoking: a theory-driven approach to smoking gender differences in Spain. *Tobacco Control* 2016 May;25(3):295-300
29. **Bilal U**, Lau BM, Lazo M, McCaul ME, Hutton HE, Sulkowski MS, Moore RD, Chander GD. Interaction Between Alcohol Consumption Patterns, Antiretroviral Therapy Type and Liver Fibrosis in Persons Living with HIV. *AIDS Patient Care and STDs* 2016 May;30(5):200-7.
30. Glass TA, **Bilal U**. Are neighborhoods causal? Complications arising from the 'stickiness' of ZNA. *Social Science and Medicine*. 2016 Oct;166:244-53.
31. Lazo M, **Bilal U***, Perez-Escamilla R. Epidemiology of NAFLD and Type 2 Diabetes: Health Disparities Among Persons of Hispanic Origin. *Current Diabetes Reports*. 2015 Dec;15(12):116
32. Cobb LK, Anderson CA, Appel LJ, Jones-Smith J, **Bilal U**, Gittelsohn J, Franco M. Changes in healthy food availability in Baltimore City food stores, 2006-2012 and the impact of the 2009 WIC policy change. *Health Affairs*. 2015 Nov 1;34(11):1849-5
33. Prasad V, **Bilal U**. The Role of Censoring on Progression Free Survival: Oncologist Discretion Advised. *European Journal of Cancer* 2015. 2015 Nov;51(16):2269-71
34. Gullon P, Badland HM, Alfayate S, **Bilal U**, Escobar F, Cebrecos A, Diez J, Franco M. Assessing walking and cycling environments in the streets of Madrid: Comparing on-field and virtual audits. *Journal of Urban Health*. 2015 Oct;92(5):923-39
35. Franco M, **Bilal U**, Diez-Roux AV. Preventing non-communicable diseases through structural changes in urban environments. *Journal of Epidemiology and Community Health*. 2015 Jun;69(6):509-11

36. Suarez L, **Bilal U***, Bordallo J, Cantabrana B, Sanchez M. Androgens block outward potassium currents and decrease spontaneous action potentials in GH3 cells. *Naunyn Schmiedebergs Arch Pharmacol*. 2015 Jan;388(1):67-78.
37. Redondo O, Villamor E, Valdes J, **Bilal U**, Caballero B, Roche D, Kroker F, Ramirez M, Franco M. Validation of a BMI cutoff point to predict an adverse cardiometabolic profile with DEXA adiposity measurements in Guatemalan children. *Public Health Nutrition* 2014 Jun 23:1-8.
38. **Bilal U**, Fernandez E, Beltran P, Navas-Acien A, Bolumar F, Franco M. Validation of a Method to Reconstruct Historical Smoking Prevalence Rates. *American Journal of Epidemiology* 2014;179 (1): 15-19.
39. Franco M, **Bilal U**, Orduñez P, Benet M, Morejon A, Caballero B, Kennelly JF, Cooper RS. Population-wide body weight loss and regain in relation to diabetes and cardiovascular disease mortality: Cuba 1980-2010. *British Medical Journal*. *BMJ* 2013;346:f1515.
40. Franco M, **Bilal U**, Guallar E, Sanz G, Gomez A, Fuster V, Cooper R. Systematic Review of Three Decades of Spanish Cardiovascular Epidemiology: Improving Translation for a Future of Prevention. *European Journal of Preventive Cardiology*. 2013 Ago;60(4):565-576.
41. Franco M, Cooper R, **Bilal U**, Fuster V. Challenges and opportunities for cardiovascular disease prevention. *American Journal of Medicine*. 2011 Feb;124(2):95-102.

Commentaries, Editorials and Letters

1. Cainzos-Achirica M, Trapero-Bertran M, **Bilal U**, Corbella X, Comin-Colet J. Chronic Heart Failure Care and Costs: What Is the Efficiency of Investing in Quality?. *JACC Heart Failure*. 2018 Aug;6(8):723-724.
2. Cainzos M, Pladevall-Vila M, **Bilal U**. Selection Bias and Residual Confounding in the studies by Gunter and Park. *Annals of Internal Medicine*. 2018 Mar 6;168(5):379-380.
3. **Bilal U**, Kaufman JS. The Theft of Well-Being: A comment on Zunzunegui, et al. *Gaceta Sanitaria*. 2017 Sep - Oct;31(5):363-364.
4. Carrasco M, **Bilal U**. Are subversion and conflict component parts of social cohesion? - A response to Lindstrom. *Social Science and Medicine* 2016 Sep 10;169:31-32
5. **Bilal U**, Padilla-Bernaldez J. [Cancer and Meat Consumption: Beyond Individual Lifestyles]. *Gaceta Sanitaria*. 2016 Jul-Aug;30(4):318.
6. **Bilal U**, Fernandez E, Navas-Acien A, Bolumar F, Franco M. Five Authors Reply. *American Journal of Epidemiology*. 2014 Sep 15;180(6):659
7. Gullón P, **Bilal U**, Franco M. Physical activity environment measurement and same source bias. *Gaceta Sanitaria*. 2014 Jul-Aug;28(4):344-5

8. Padilla J, Carmona M, **Bilal U**. Trivializing conflict of interest, a crime against public health. *British Medical Journal* (Rapid-Response, 12 November 2013)
9. **Bilal U**, Padilla J. Spanish government expels undocumented migrants from the health care system. *European Journal of Public Health* (E-Letter, 8 June 2012)
10. Franco M, Cooper R, **Bilal U**, Fuster V. Control of Coronary Heart Disease Risk Factors and Evidence-Based Therapies: Joint Efforts for Coronary Heart Disease Prevention in Spain. *Revista Española Cardiología*. 2011 Nov;64(11):962-964

Book Chapters

1. **Bilal U**. Urbanismo o Barbarie [Urbanism or Barbarism]. In: Lopez Ruiz V, Padilla Bernaldez J (eds.) *Salubrisimo o Barbarie [Public Health or Barbarism]*. Madrid: Atrapasueños Editorial; 2017.
2. Franco M, **Bilal U**, Diez J. Local Food Environment. In: Caballero, B., Finglas, P., and Toldrá, F. (eds.) *The Encyclopedia of Food and Health* vol. 4, pp. 139-144 (2016). Oxford: Academic Press.
3. Lazo M, **Bilal U**. Obesity: Epidemiology of. In: Caballero, B., Finglas, P., and Toldrá, F. (eds.) *The Encyclopedia of Food and Health* vol. 4, pp. 139-144 (2016). Oxford: Academic Press.
4. Franco M, **Bilal U**. [Epidemiology of Hypertension and Angina Pectoris in Spain]. *Formación Continuada en Atención Primaria*; 2012.
5. **Bilal U**, Belza MJ, Bolumar F. [Introduction to Epidemiology and its use in Health Administration]. In: [Master in Health Administration. Module 3: Public Health and Clinical Epidemiology]. Madrid: National University of Distance Education; 2012.

Statistical Software

1. GGTAXONOMY: **Stata** module to identify the most suitable GG family model. Statistical Software Components S458058, Boston College Department of Economics, revised 16 Sep 2017: <https://ideas.repec.org/c/boc/bocode/s458058.html> (Adapted from GGTAX)
2. STCRMIX: **Stata** module to estimate mixtures of generalized gamma distributions for competing risks analyses. Statistical Software Components S458519, Boston College Department of Economics: <https://ideas.repec.org/c/boc/bocode/s458519.html>

Op-eds and other pieces in the general media

1. Franco M, **Bilal U**, Cooper RC. [Baltimore, a showcase of inequality]. El PAIS. http://elpais.com/elpais/2015/05/04/ciencia/1430735350_821550.html
2. Padilla J, **Bilal U**. [Should we restrict healthcare coverage to people with unhealthy behaviors?]. El Diario. http://www.eldiario.es/tribunaabierta/Restringir-sanidad-publica-cuida_6_556154408.html
3. **Bilal U**. [Racism kills]. El Salto Diario. <https://www.elsaltodiario.com/derechos-humanos/el-racismo-mata-antes-y-ahora>

CURRICULUM VITAE

USAMA BILAL, M.D., M.P.H., Ph.D.

PART II

TEACHING

Advisees (Doctoral)

2017-Current Julia Diez, BS. Program: Doctoral Program in Epidemiology and Public Health, Universidad de Alcala, Madrid, Spain. Thesis title: TBD
Awarded the Alicia Llacer award for young epidemiologists at the 2018 Spanish Society of Epidemiology Meeting in Lisbon, Portugal

Preliminary Oral Participation

Universidad de Lanús, Argentina

2018 Virna Almeida, MD. Program: Masters in Epidemiology, Health Management and Policy.

Classroom Instruction (Instructor or Course Director)

University of Alcala, Madrid, Spain

2013 Basic Epidemiology (1 semester), co-Instructor

National School of Public Health, Madrid, Spain

2013 Social Epidemiology (1 week), co-Instructor

2016 Social Epidemiology (1 week), co-Director

Universidad Internacional Menéndez Pelayo / Escuela de Salud Publica de Menorca, Spain

2017 Urban Health Research (3 days), co-Director

Drexel University, Philadelphia, PA

2018 Multilevel Analysis for Urban Health Research (1 week), co-Instructor

Guest Lecturing

University of Alcala, Madrid, Spain

2011, 2012 Basic Epidemiology, guest lecturer (2 lectures) and lab instructor

University of Oviedo, Asturias, Spain

2012, Introduction to Cardiovascular Epidemiology, guest lecturer (1 lecture)

2015-2017

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

2017 Social Epidemiology (340.628), Guest Lecturer (4 lectures)

2017-2018 Epidemiology of Diabetes and Obesity (340.644), Guest Lecturer (1 lecture)

Drexel University, Philadelphia, PA

2018 Built Environment and Health (URBS650), Guest Lecturer (1 lecture)

Other Significant Teaching (Teaching Assistant, Laboratory Instructor)

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

2014-2016 Tutor for 15 students in Principles of Epidemiology, Epidemiologic Methods I, II and III, Biostatistics 140.621, 622 and 623.

2014-2016 Social Epidemiology (340.628), Teaching Assistant. Instructors: Dr. Manuel Franco and Dr. Thomas A. Glass.

2015 Foundations of Social Epidemiology (340.666), Teaching Assistant. Instructors: Dr. David Celentano and Dr. Amanda Latimore.

2015 Methodologic Challenges in Epidemiologic Research (340.754), Teaching Assistant. Instructors: Dr. Bryan Lau and Dr. Allison Abraham.

2015 Methods for Clinical and Translational Research Workshop, Teaching Assistant. Instructor: Dr. Jon Samet.

2015 Advanced Methods for the Design and Analysis of Cohort Studies (340.728), Lab Instructor and Teaching Assistant. Instructors: Dr. Alvaro Muñoz and Dr. Christopher Cox.

2016 Advanced Seminar in Social Epidemiology (340.705), Teaching Assistant. Instructor: Dr. Thomas A. Glass.

2016 Political Economy of Social Inequalities (308.610), Teaching Assistant. Instructor: Dr. Vicente Navarro.

ACADEMIC SERVICE

School of Medicine, University of Oviedo, Asturias, Spain

2004-2007 Asturian Medical Students Association, webpage administrator

2007-2009 Spanish Medical Students Federation (IFMSA-Spain), webpage administrator

2008-2009 Asturian Medical Students Association, President

2009-2010 Spanish Medical Students Federation (IFMSA-Spain), President

2010 Head of Delegation at the 59th General Assembly of the International Federation of Medical Students Associations (IFMSA), Bangkok

2010 Head of Delegation at the 60th General Assembly of the International Federation of Medical Students Associations (IFMSA), Montreal

2011 Committee for the adaptation of the Doctor of Medicine Degree to the European Higher Education Area, student representative

School of Medicine, Universidad de Alcala, Madrid, Spain

2012-2013 Social and Cardiovascular Epidemiology Research Group, Journal Club Coordinator

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

2013-2017 Social Epidemiology Student Organization, Director

2014-2015 Departmental Curriculum Committee, Department of Epidemiology, Student Representative

2014-2015	<u>Coordinator</u> for the Research Pearl at the Welch Center Grand Rounds of Clinical Research, Johns Hopkins Medical Institutions
2015-2016	Website Design Committee, Welch Center Grand Rounds of Clinical Research, <u>Trainee Representative</u>
2015-2016	Departmental Faculty Committee, Department of Epidemiology, <u>Student Representative</u>
2015-2016	CLF-Lerner Fellows Journal Club, Center for a Livable Future, <u>Co-Coordinator</u>
2016-2017	CLF-Lerner Fellows Enrichment Activities, Center for a Livable Future, <u>Co-Coordinator</u>
2016-2017	Epidemiology Inclusion, Diversity, Equity & Science (Epi-IDEAS) Workgroup, Department of Epidemiology, <u>Founding Member</u>
<i>Drexel University Dornsife School of Public Health, Philadelphia, PA</i>	
2018-2019	Ad-hoc committee to design appointment and promotion guidelines for research faculty in the Dornsife School of Public Health, <u>Member</u>

RESEARCH GRANT PARTICIPATION

Active

Wellcome Trust (Our Planet Our Health)

04/01/2017-03/31/2022

Diez-Roux, P.I. (Bilal, Co-investigator)

Total costs: \$12,191,632

What makes cities healthy, equitable and environmentally sustainable? Lessons from Latin America

This grant aims to: study the links between urban environments and health using a newly created longitudinal database; conduct policy evaluation in partnership with stake holders; use systems approaches to evaluate potential policy impacts; and conduct dissemination and outreach to scientists, the public and policy makers.

Urban Health Collaborative Pilot Grants

07/01/2018-06/30/2019

Bilal, P.I.

Total costs: \$15,000

Heterogeneity and Determinants of Health Disparities by Income in US Cities

The goal of this project is to explore the mechanisms leading to disparities in life expectancy by income across cities in the US and to understand the factors leading to wider or narrower disparities.

National Institutes of Health, Office of the Director

09/06/2018-08/31/2023

Bilal, P.I.

Total costs: \$1,956,250

The Health Consequences of Urban Scaling (Early Independence Award, DP5OD026429)

This grant aims to: explore the scaling properties of health outcomes in all cities across the US and 10 Latin American countries; study the urban factors that determine these scaling properties; build a system dynamics model to explore the mechanisms that generate these scaling properties.

Complete

Fondo de Investigaciones Sanitarias (Spain)

01/01/2016-12/31/2018

Sureda, P.I. (Bilal, Co-investigator)

Total costs: \$91,310

Availability of Tobacco Products and Smoke free Policy Implementation in Madrid

The purpose of this study is to explore differential availability of tobacco products and differential implementation and compliance with smoke free policies across neighborhoods in Madrid (Spain).

PRESENTATIONS

Invited Seminars/Presentations

- 2012 Framework to study the Social Determinants of Health. Summer School of Public Health for Medical Students, Andalusian School of Public Health, Granada, Spain
- 2012 Sick Individuals and Sick Populations. School of Medicine, Complutense University, Madrid, Spain
- 2015 Macrosocial Changes and Chronic Diseases: Gender and Tobacco in Spain, 1960-2010. Seminar Series, National Center for Epidemiology (CNE), Madrid, Spain.
- 2016 The Health Effects of Economic Change: National Policies and Local Mechanisms. Public Health Forum. Institute of Psychology Health and Society, University of Liverpool, UK.
- 2017 Neighborhood Social and Economic Change, Food Environment Change and Diabetes Incidence in Madrid, Spain. Seminarios de Epidemiologia Social. National School of Public Health, ISCIII, Madrid, Spain.
- 2018 Neighborhood Environments and Risk of Non-Communicable Diseases (Online). YCARE (Youth/Child cArdiovascular Risk and Environmental) Research Group, University of Sao Paulo, Sao Paulo, Brasil.
- 2018 Studying Health and Health Inequalities in Cities of the Americas. Department of Epidemiology and Biostatistics Seminar Series, Drexel Dornsife School of Public Health, Philadelphia, PA.

Session Chair (or equivalent) at Scientific Meetings

- 2018 Urban and Environmental Health (**Session co-Chair**). Spanish Society of Epidemiology and Portuguese Association of Epidemiology Annual Meeting, Lisbon, Portugal
- 2019 Global Health (**Session Judge**). 12th Global Challenges Student Conference, Drexel University, Philadelphia, PA

Presentations at Scientific Meetings (Oral Presentations)

- 2009 Estrogens and Cardiovascular Primary Prevention (**Oral Presentation**). 15th National Congress of Cardiology for Medical Students, Salamanca, Spain

- 2014 Fixed-effects versus Random-effects in the analysis of time-fixed confounding of ecological time series: a simulation study (**Live Presentation, award winning**). 4th Annual SERdigital Student Novel Methods Web Conference (Online)
- 2016 Population Cardiovascular Health and Urban Environments: The Heart Healthy Hoods exploratory study in Madrid, Spain (**Oral Presentation**); Healthy urban environment characterization focused on physical activity and food: A GIS-based method (**Oral Presentation**, on behalf of A. Cebrecos); Does walkability differ by area sociodemographic profile? A study of Madrid City (**Oral Presentation**, on behalf of P. Gullon). 13th International Conference on Urban Health, San Francisco, CA
- 2016 [Measuring Social and Economic Change in Small Areas of Madrid, Spain: Innovative Indicators and Alternative Data Sources] (**Oral Presentation**); Economic Growth and Mortality: Do Social Protection Policies Matter? (**Oral Presentation**). Annual Meeting of the Spanish Society of Epidemiology, Seville, Spain
- 2017 Neighborhood Social and Economic Change and Diabetes Incidence in Madrid, Spain (**Oral Presentation**). Annual Meeting of the Society for Epidemiologic Research (SER), Seattle, WA
- 2018 Mortality Profiles in 366 Cities in 10 Latin American Countries (**Oral Presentation**). 3rd Drexel International Research Showcase. Drexel University, Philadelphia, PA.

Presentations at Scientific Meetings (Posters, presented on site as first author)

- 2013 Gender Equality and female-to-male Smoking Ratio: Trends in Spain in the Last 50 Years (**Poster**). American Heart Association Epidemiology and Prevention 2013 Scientific Sessions, New Orleans, LA
- 2013 Validation of a Method to Reconstruct Historical Smoking Prevalence Rates (**Recorded Presentation**). 3rd Annual SERdigital Student Novel Methods Web Conference (Online).
- 2014 Food Stores, Food Markets and Healthy Food Availability in Comparable Urban Neighborhoods in Madrid and Baltimore (**Poster**), Measuring the Food, Tobacco, Alcohol and Physical Activity Urban Environments in Relation to Cardiovascular Health: The Heart Healthy Hoods Pilot Study in Madrid, Spain (**Poster**), Economic Crisis in Western Europe and Ischemic Heart Disease Mortality (**Poster**). American Heart Association Epidemiology and Prevention 2014 Scientific Sessions, San Francisco, CA
- 2014 Economic Crises and Ischemic Heart Disease Mortality in Europe: Effect Heterogeneity? (**Poster**), Selecting Comparable Neighborhoods across Cities: The Median Neighborhood Index (**Poster**). Society for Epidemiologic Research Annual Meeting, Seattle, WA
- 2015 Macroeconomic Growth is Associated with Increases in Cardiovascular Mortality in Countries with Lower Social Protection Spending (**Moderated Poster**). American Heart Association Epidemiology and Prevention 2015 Scientific Sessions, Baltimore, MD

- 2015 Fixed versus Random effects models for longitudinal data analysis of confounding in ecological time series: a simulation study (**Poster**). Society for Epidemiologic Research Annual Meeting, Denver, CO
- 2015 An in-depth characterization of a neighborhood's social and physical environment in relation to cardiovascular health (**Poster**); 2015 Urban Health Symposium: Reimagining Health in Cities, Drexel University, Philadelphia, PA
- 2017 Measuring Neighborhood Social and Economic Change for Health Studies (**Poster**); 2017 Urban Health Symposium: Reimagining Health in Cities, Drexel University, Philadelphia, PA
- 2018 Mortality Profiles Across Latin American Cities in 10 countries: the SALURBAL project (**Poster**); Association of Obesity and Mortality in Individuals with Cardiovascular Disease and Well-Controlled Risk Factors (**Poster**); Society for Epidemiologic Research Annual Meeting, Baltimore, MD
- 2018 Life Expectancy in Latin American Cities: the SALURBAL project (**Poster**); Annual Meeting of the Spanish Society of Epidemiology, Lisbon, Portugal
- 2018 Mortality Profiles of 366 Latin American Cities: the SALURBAL project (**Poster**); Third Annual Population Health Science Research Workshop, Boston, MA