

Allison E. Aiello

Curriculum Vitae

CONTACT INFORMATION

Work Address: University of North Carolina at Chapel Hill
Gillings School of Global Public Health
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EDUCATION

PhD (with distinction) in Epidemiology, Columbia University, New York, 2003
MS in Environmental Sciences, University of North Carolina-SPH, Chapel Hill, 1998
BS in Environmental Sciences (Major) and Afro-American Studies (Minor), University of Massachusetts, Amherst, 1995

POSITIONS/LEADERSHIP

1/2014-Present	Professor of Epidemiology Gillings School of Global Public Health, University of North Carolina at Chapel Hill
2018- Present	Adjunct Professor of Social Medicine School of Medicine, University of North Carolina at Chapel Hill
2014-Present	Carolina Population Center Fellow University of North Carolina at Chapel Hill
2014-2021	Social Epidemiology Program, Leader Gillings School of Global Public Health, University of North Carolina at Chapel Hill
2017-2020	Inclusive Science, Program Director North Carolina Translational & Clinical Sciences Institute School of Medicine, University of North Carolina at Chapel Hill
2010-12/2013	Associate Professor of Epidemiology University of Michigan School of Public Health, Department of Epidemiology and Center for Social Epidemiology and Population Health, Ann Arbor, MI
9/2010-12/2010	Yerby Visiting Associate Professor of Epidemiology Harvard School of Public Health, Boston, MA
2009-2010	John G. Searle Assistant Professor of Public Health University of Michigan School of Public Health, Department of Epidemiology, Ann Arbor, MI
2005-2010	Assistant Professor of Epidemiology University of Michigan School of Public Health, Department of Epidemiology, Center for Social Epidemiology and Population Health, Ann Arbor, MI

- 2003-2005 **Robert Wood Johnson Foundation, Health & Society Scholar**
University of Michigan School of Public Health, Department of Epidemiology, Center for Social Epidemiology and Population Health, Ann Arbor, MI
- 2002-2003 **Research Fellow**
National Institute of Allergy and Infectious Diseases (NIAID) Fellow, Center for Infectious Disease and Epidemiological Research, Columbia University Mailman School of Public Health, New York, NY
- 1998-1999 **Emerging Infectious Diseases Fellow**
Centers for Disease Control and Prevention (CDC), Division of Parasitic Diseases, Molecular Vaccine Section, Immunology Branch, Atlanta, GA

DISTINCTIONS (ACADEMIC AND RESEARCH)

- 2019 **Carol Rowland Hogue Award for Outstanding Mid-Career Achievement**, Society for Epidemiological Research (SER)
- 2017-2020 **Elected to Interdisciplinary Association of Population Health Science (IAPHS)**, Board of Directors
- 2013 **Epidemiology Student Organization Award for “Most Hardworking Faculty”**, Univ of Michigan - School of Public Health
- 2010 **Yerby Visiting Associate Professorship**, Epidemiology Department, Harvard University
- 2009 **Named John G. Searle Assistant Professor of Public Health**, University of Michigan
- 2006, 2007 **Junior Faculty Training Award, University of Michigan Older Americans Independence Center Research Career Development Core**, National Institute on Aging
- 2005-2010 **Health Disparities Loan Repayment Program Award**, NIH
- 2004 **Anna C. Gelman Award for Outstanding Achievement and Promise in the field of Epidemiology**, Columbia University Mailman School of Public Health
- 2003-2005 **Robert Wood Johnson Foundation Health and Society Scholar**
- 2003 **Ph.D. with Distinction**, Columbia University
- 2002-2003 **NIH Training fellowship**, Center for Infectious Disease and Epidemiological Research, Columbia University
- 1998-1999 **Emerging Infectious Diseases (EID) fellowship**, National Center for Infectious Disease and CDC

NATIONAL/INTERNATIONAL SERVICE AND CONSULTING

- 2020- 2021 Society for Epidemiological Research (SER), Communications Committee, Member
- 2019- 2020 Society for Epidemiological Research (SER) and Interdisciplinary Association of Population Health Science (IAPHS), Joint Collaborations, Committee Member
- 2020 Arch Capital Inc, Workplace Pandemic Response Working Group, Consultant
- 2019 Society for Epidemiological Research (SER), Breakfast with the Experts, Round Table Expert
- 2019 World Health Organization (WHO) Technical Working Group for Non-Pharmaceutical Intervention Guidelines, Global Influenza Programme, Member
- 2018 Interdisciplinary Association of Population Health Science (IAPHS) 2018 Annual Meeting, Co-Chair

2018-2020	Interdisciplinary Association of Population Health Sciences (IAPHS), Awards, Committee Member
2018, 2019	Epidemiology and Cohort Studies for Alzheimer's Disease, Related Dementias, and Cognitive Resilience NIH Study Sections: ZRG1 PSE-D (55) PAR and ZRG1 PSE-Z (55) PAR- NIH, Chair
2019	NIH Director's Award, Study Section: ZRG1 PSE-H (70) R, DP5, Ad Hoc Reviewer
2018	Kinsa Inc., Epidemiology Research consultant
2018	Society for Epidemiological Research 2018 Annual Meeting Baltimore MD, Infectious Disease Epidemiology, Session Chair
2018	Interdisciplinary Association for Population Health Science, 2018 Annual Meeting, Program Planning Co-Chair
2017, 2018	Major Opportunities for Research in Epidemiology of Alzheimer's Disease and Cognitive Resilience (R01) NIH Study Section: PAR-15-356, Ad Hoc Member
2017	World Trade Center Research Special Emphasis Panel Grant Review, Cooperative Research Agreements Related to the WTC Health Program, NIOSH, Ad Hoc Member
2017	Society for Epidemiologic Research (SER), Student Workshop Mentor
2017	Grenier Law Firm, Litigation Consultant
2016-present	American Journal of Epidemiology, Editorial Board Member, Associate
2016-2018	Current Epidemiology Reports, Social Epidemiology Section Editor
2015-2019	Annual Reviews of Public Health, Editorial Board Member
2012-2017	Social Sciences and Population Studies B NIH Study Section, Member
2009~2013	BMC Public Health, Editorial Advisor (2010~2013), Associate Editor (2009-2010)
2013-2014	Compendium of Strategies to Prevent Healthcare Associated Infections in Acute Care Hospitals, Society for Health Care Epidemiology of America (SHEA), Panel member and co-author
2011-2016	Grant & Eisenhofer (formerly Wolf Haldenstein Adler Freeman & Herz), Litigation Consultant
2010-2011	Institute of Medicine, Committee on Personal Protective Equipment for Healthcare Workers During an Influenza Pandemic, Member
2009-2013	SCA-Tork Green Hygiene Council, Consultant and Member
2009	Unilever Hand Hygiene Community Intervention Project, Consultant
2007	International Scientific Forum on Home Hygiene, Panel Member
2006-2016	American College of Epidemiology, Member
2006-2010	American College of Epidemiology Minority Affairs Committee, Member
2006, 2007	Alliance for the Prudent Use of Antibiotics, Hygiene for a Healthy Household Section
2005	U.S. Food and Drug Administration, Center for Drug Evaluation and Research (CDER), Expert guest speaker
2004-2008	American Journal of Infection Control, Editorial Board Member

PUBLICATIONS

Google Scholar H-Index: 69 (10/20/21)

Peer-Reviewed (*Underline indicates a mentee; †Corresponding)

234. Henderson HI, Napravnik S, Gower EW, Aiello AE, Kinlaw AC, Williams B, Wohl DA, van Duin D (2021) Resistance in Enterobacterales is higher among people with HIV. *Clin Infect Dis*. 2021 Oct 13:ciab901. Online ahead of print. PMID: 34643220

233. Stebbins RC, Edwards JK, Plassman BL, Yang YC, Noppert GA, Haan M, Aiello AE (2021) Immune function, cortisol, and cognitive decline & dementia in an aging latino population. *Psychoneuroendocrinology*. 2021 Nov;133:105414. Epub 2021 Sep 15. PMID: 34563836

232. Willis SK, **Aiello AE**, Chatterjea D, Nelson JA, Hibberd PL, Harlow BL (2021) Characterizing Differences in Thymic Function in Women With and Without Vulvodynia: A Community-Based Study. *J Low Genit Tract Dis*. 2021 Oct 1;25(4):296-302. PMID: 34542085
231. Fernández-Rhodes L, Ward JB, Martin CL, Zeki-Al-Hazzouri A, Torres J, Gordon-Larsen P, Haan MN, **Aiello AE** (2021) Intergenerational Educational Mobility and Type 2 Diabetes in the Sacramento Area Latino Study of Aging. *Ann Epidemiol*. 2021 Jul 22:S1047-2797(21)00214-3. Online ahead of print. PMID: 34303766
230. Crenshaw EG, Fernández-Rhodes L, Martin CL, Gordon-Larsen P, Haan MN, **Aiello AE**† (2021) Intergenerational Educational Attainment and Cardiometabolic Health in Latino Individuals Living in the United States. *Obesity* (Silver Spring). 2021 Jul;29(7):1178-1185. Epub 2021 Jun 6. PMID: 34096684
229. Zivich PN, Volfovsky A, Moody J, **Aiello AE** (2021) Assortativity can lead to bias in epidemiologic studies of contagious outcomes: a simulated example in the context of vaccination. *Am J Epidemiol*. 2021 Jun 4. Online ahead of print. PMID: 34089053
228. Brandt K, Goel V, Keeler C, Bell GJ, **Aiello AE**, Corbie-Smith G, Wilson E, Fleischauer A, Emch M, Boyce RM. (2021) SARS-CoV-2 testing in North Carolina: Racial, ethnic, and geographic disparities. *Health Place*. 2021 May;69:102576. Epub 2021 Apr 19. PMID: 33915376
227. Yang Y, Walsh C, Johnson M, Belsky D, Reason M, Curran P, **Aiello AE**, Chanti-Ketterl M, Harris K (2021) Life Course Trajectories of Body Mass Index from Adolescence to Old Age: Racial and Educational Disparities. *Proc Natl Acad Sci*. 118(17); e2020167118. PMID: 33875595
226. Ciccone EJ†, Zivich PN, Lodge EK, Zhu D, Law E, Miller E, Taylor JL, Chung S, Xu J, Volfovsky A, Beatty C, Abernathy H, King E, Garrett HE, Markmann AJ, Rebuli ME, Sellers S, Weber DJ, Reyes R, Alavian N, Juliano JJ, Boyce RM, **Aiello AE**† (2021) SARS-CoV-2 Infection in Healthcare Personnel and Their Household Contacts at a Tertiary Academic Medical Center: Protocol for a Longitudinal Cohort Study. *JMIR Res Protoc*. 2021 Mar 17. doi: 10.2196/25410. Online ahead of print. PMID: 33769944
225. Martin CL, Ward-Caviness CK, Dhingra R, Zikry TM, Galea S, Wildman DE, Koenen KC, Uddin M, **Aiello AE** (2021) Neighborhood environment, social cohesion, and epigenetic aging. *Aging*. 2021 Mar 14;13. doi: 10.18632/aging.202814. Online ahead of print. PMID: 33714950 Free article.
224. Wani AH, **Aiello AE**, Kim GS, Xue F, Martin CL, Ratanatharathorn A, Qu A, Koenen K, Galea S, Wildman DE, Uddin M (2021) The impact of psychopathology, social adversity and stress-relevant DNA methylation on prospective risk for post-traumatic stress: A machine learning approach. *J Affect Disord*. 2021 Mar 1;282:894-905. doi: 10.1016/j.jad.2020.12.076. Epub 2020 Dec 24. PMID: 33601733
223. Zivich PN, Huang W, Walsh A, Dutta P, Eisenberg M, **Aiello AE**† (2021) Measuring office workplace interactions and hand hygiene behaviors through electronic sensors: A feasibility study. *PLoS One*. 2021 Jan 19;16(1):e0243358. doi: 10.1371/journal.pone.0243358. eCollection 2021. PMID: 33465139 Free PMC article.
222. Johnson CM, Ammerman AS, Adair LS, **Aiello AE**, Flax VL, Elliott S, Hardison-Moody A, Bowen SK (2020) The Four Domain Food Insecurity Scale (4D-FIS): development and evaluation of a complementary food insecurity measure. *Transl Behav Med*. 2020 Dec 31;10(6):1255-1265. doi: 10.1093/tbm/ibaa125. PMID: 334210832
221. Austin AE, Naumann RB, Figgatt MC, **Aiello AE** (2020) Adolescent and Adult Correlates of Prescription Opioid Use and Misuse in Adulthood: Associations Across Domains of Despair. *Subst Use Misuse*. 2021 Jan 6;1-12. doi: 10.1080/10826084.2020.1868521. Online ahead of print. PMID: 334069573
220. Noppert GA, Feinstein L, Dowd JB, Stebbins RC, Zang E, Needham BL, Meier HCS, Simanek A, **Aiello AE** (2020) Pathogen burden and leukocyte telomere length in the United States. *Immun Ageing*. 2020 Nov 19;17(1):36. doi: 10.1186/s12979-020-00206-9. PMID: 33292353

219. Emerson MA, Golightly YM, **Aiello AE**, Reeder-Hayes KE, Tan X, Maduekwe U, Johnson-Thompson M, Olshan AF, Troester MA (2020) Breast cancer treatment delays by socioeconomic and health care access latent classes in Black and White women. *Cancer*. 2020 Sep 21. doi: 10.1002/ncr.33121. Online ahead of print. PMID: 32954493
218. Smith NR, Zivich PN, Frerichs LM, Moody J, **Aiello AE** (2020) A Guide for Choosing Community Detection Algorithms in Social Network Studies: The Question Alignment Approach. *Am J Prev Med*. 2020 Oct;59(4):597-605. doi: 10.1016/j.amepre.2020.04.015.PMID: 32951683
217. Noppert GA, Stebbins RC, Dowd JB, Hummer RA, **Aiello AE** (2020) Life Course Socioeconomic Disadvantage and the Aging Immune System: Findings from the Health and Retirement Study. *J Gerontol B Psychol Sci Soc Sci*. 2020 Sep 3:gbaa144. doi: 10.1093/geronb/gbaa144. Online ahead of print. PMID: 32880643
216. Bulka CM, Bommarito PA, **Aiello AE**, Fry RC (2020) Cytomegalovirus seroprevalence, recurrence, and antibody levels: Associations with cadmium and lead exposures in the general United States population. *Environ Epidemiol*. 2020 Jun 5;4(4):e100. doi: 10.1097/EE9.000000000000100. PMID: 32832839
215. Shook-Sa BE, Boyce RM, **Aiello AE**. (2020) Estimation Without Representation: Early Severe Acute Respiratory Syndrome Coronavirus 2 Seroprevalence Studies and the Path Forward. *J Infect Dis*. Jul 16:jiaa429. doi: 10.1093/infdis/jiaa429. PMID: 32750135
214. Zivich PN, Eisenberg MC, Monto AS, Uzicanin A, Baric RS, Sheahan TP, Rainey JJ, Gao H, **Aiello AE**† (2020) Transmission of viral pathogens in a social network of university students: the eX-FLU Study. *Epidemiol Infect*. Aug 14:1-19. doi: 10.1017/S0950268820001806. PMID: 32792023
213. Makkar SR, Lipnicki DM, Crawford JD, Kochan NA, Castro-Costa E, Lima-Costa MF, Diniz BS, Brayne C, Stephan B, Matthews F, Llibre-Rodriguez JJ, Llibre-Guerra JJ, Valhuerdi-Cepero AJ, Lipton RB, Katz MJ, Zammit A, Ritchie K, Carles S, Carriere I, Scarmeas N, Yannakouli M, Kosmidis M, Lam L, Fung A, Chan WC, Guaita A, Vaccaro R, Davin A, Kim KW, Han JW, Suh SW, Riedel-Heller SG, Roehr S, Pabst A, Ganguli M, Hughes TF, Jacobsen EP, Anstey KJ, Cherbuin N, Haan MN, **Aiello AE**, Dang K, Kumagai S, Narazaki K, Chen S, Ng TP, Gao Q, Nyunt MSZ, Meguro K, Yamaguchi S, Ishii H, Lobo A, Lobo Escolar E, De la Cámara C, Brodaty H, Trollor JN, Leung Y, Lo JW, Sachdev P; for Cohort Studies of Memory in an International Consortium (COSMIC). (2020) Education and the moderating roles of age, sex, ethnicity and apolipoprotein epsilon 4 on the risk of cognitive impairment. *Arch Gerontol Geriatr*. Jul 13;91:104112. doi: 10.1016/j.archger.2020.104112. Online ahead of print.
212. Gaston SA, Nguyen-Rodriguez S, **Aiello AE**, McGrath J, Jackson WB 2nd, Nápoles A, Pérez-Stable EJ, Jackson CL. (2020) Hispanic/Latino heritage group disparities in sleep and the sleep-cardiovascular health relationship by housing tenure status in the United States. *Sleep Health*. 2020 Jul 1:S2352-7218(20)30036-X. doi: 10.1016/j.sleh.2020.01.005. Online ahead of print. PMID: 32622645
211. Renon A, Mullan Harris K, Dowd JB, Gaydos L, McQueen MB, Krauter KS, Shannahan M, **Aiello AE**† (2020) Early Signs of Gut Microbiome Aging: Biomarkers of Inflammation, Metabolism, and Macromolecular Damage in Young Adulthood. *J Gerontol A Biol Sci Med Sci*. 2020 Jun 18;75(7):1258-1266. doi: 10.1093/gerona/glaa122.PMID: 32421783
210. Martinez-Miller EE, Robinson WR, Avery CL, Yang YC, Haan MN, Prather AA, **Aiello AE** (2020) Acculturation, Cognitive Performance and Decline, and Incident Dementia/CIND: The Sacramento Area Latino Study on Aging. *Am J Epidemiol*. 2020 May 22:kwaa088. doi: 10.1093/aje/kwaa088. Online ahead of print. PMID: 32440686
209. Snyder-Mackler N, Burger JR, Gaydos L, Belsky DW, Noppert GA, Campos FA, Bartolomucci A, Yang YC, **Aiello AE**, O'Rand A, Harris KM, Shively CA, Alberts SC, Tung J. (2020) Social determinants of health and survival in humans and other animals. *Science*. 2020 May 22;368(6493):eaax9553. PMID: 32439765
208. Lodge EK, Engel LS, Ferrando-Martínez S, Wildman D, Uddin M, Galea S, **Aiello AE**† (2020) The association between residential proximity to brownfield sites and high-traffic areas and measures of immunity. *J Expo Sci Environ Epidemiol*. 2020 May 12. doi: 10.1038/s41370-020-0226-2. Online ahead of print. PMID: 32398779

207. Makkar SR, Lipnicki DM, Crawford JD, Kochan NA, Castro-Costa E, Lima-Costa MF, Diniz BS, Brayne C, Stephan B, Matthews F, Llibre-Rodriguez JJ, Llibre-Guerra JJ, Valhuerdi-Cepero AJ, Lipton RB, Katz MJ, Wang C, Ritchie K, Carles S, Carriere I, Scarmeas N, Yannakoulia M, Kosmidis M, Lam L, Chan WC, Fung A, Guaita A, Vaccaro R, Davin A, Kim KW, Han JW, Suh SW, Riedel-Heller SG, Roehr S, Pabst A, Ganguli M, Hughes TF, Snitz B, Anstey KJ, Cherbuin N, Eastaer S, Haan MN, **Aiello AE**, Dang K, Ng TP, Gao Q, Nyunt MSZ, Brodaty H, Trollor JN, Leung Y, Lo JW, Sachdev P; for Cohort Studies of Memory in an International Consortium (COSMIC) (2020) APOE ε4 and the influence of sex, age, vascular risk factors, and ethnicity on cognitive decline. *J Gerontol A Biol Sci Med Sci*. 2020 May 12;glaa116. doi: 10.1093/gerona/glaa116. Online ahead of print. PMID: 32396611
206. Cowling BJ and **Aiello AE (2020)** Public Health Measures to Slow Community Spread of Coronavirus Disease 2019. *J Infect Dis*. 2020 May 11;221(11):1749-1751. doi: 10.1093/infdis/jiaa123. PMID: 32193550
205. Katrinli S, Stevens J, Wani AH, Lori A, Kilaru V, van Rooij SJH, Hinrichs R, Powers A, Gillespie CF, Michopoulos V, Gautam A, Jett M, Hammamieh R, Yang R, Wildman D, Qu A, Koenen K, **Aiello AE**, Jovanovic T, Uddin M, Ressler KJ, Smith AK (2020) Evaluating the impact of trauma and PTSD on epigenetic prediction of lifespan and neural integrity. *Neuropsychopharmacology* 2020 May 7. doi: 10.1038/s41386-020-0700-5. Online ahead of print. PMID: 32380512
204. Ward-Caviness CK, Pu S, Martin CL, Galea S, Uddin M, Wildman DE, Koenen K, **Aiello AE (2020)** Epigenetic predictors of all-cause mortality are associated with objective measures of neighborhood disadvantage in an urban population. *Clin Epigenetics*. 2020 Mar 11;12(1):44. doi: 10.1186/s13148-020-00830-8. PMID: 32160902
203. Kowitt SD, **Aiello AE**, Callahan LF, Fisher EB, Gottfredson NC, Jordan JM, Muessig KE (2020) Associations among neighborhood poverty, perceived neighborhood environment, and depressed mood are mediated by physical activity, perceived individual control, and loneliness. *Health Place*. 2020 Mar;62:102278. doi: 10.1016/j.healthplace.2019.102278. Epub 2020 Jan 26. PMID: 32479356
202. Emerson MA, Golightly YM, Tan X, **Aiello AE**, Reeder-Hayes KE, Olshan AF, Earp HS, Troester MA (2020) Integrating access to care and tumor patterns by race and age in the Carolina Breast Cancer Study, 2008-2013. *Cancer Causes Control*. 2020 Jan 16. doi: 10.1007/s10552-019-01265-0. [Epub ahead of print] PMID: 31950321
201. **Aiello AE**†, Renson A, Zivich PN (2020) Social Media- and Internet-Based Disease Surveillance for Public Health. *Annu Rev Public Health*. 2020 Jan 6. doi: 10.1146/annurev-publhealth-040119-094402. [Epub ahead of print] PMID: 31905322 ***Top 20 most downloaded social science paper among all published Annual Reviews 2020.**
200. Noppert GA, **Aiello AE**, O'Rand AM, Cohen HJ (2020) Race/Ethnic and Educational Disparities in the Association Between Pathogen Burden and a Laboratory-Based Cumulative Deficits Index. *J Racial Ethn Health Disparities*. 2020 Feb;7(1):99-108. doi: 10.1007/s40615-019-00638-0. Epub 2019 Oct 22. PMID: 31642044
199. Kowitt SD, **Aiello AE**, Callahan LF, Fisher EB, Gottfredson NC, Jordan JM, Muessig KE (2019) How are neighborhood characteristics associated with mental and physical functioning among older adults with radiographic knee osteoarthritis? *Arthritis Care Res (Hoboken)*. 2019 Dec 16. doi: 10.1002/acr.24125. [Epub ahead of print] PMID: 31841258
198. Lind MJ, Brick LA, Gehrman PR, Duncan LE, Gelaye B, Maihofer AX, Nievergelt CM, Nugent NR, Stein MB, Amstadter AB; Psychiatric Genomics Consortium Posttraumatic Stress Disorder (2019) Molecular genetic overlap between posttraumatic stress disorder and sleep phenotypes. *Sleep* 2019 Dec 5. pii: zsz257. doi: 10.1093/sleep/zsz257. [Epub ahead of print] PMID: 31802129
197. Durazo EM, Haan MN, Dang K, **Aiello AE**, Torres JM (2019) Nativity, Neighborhoods, and Body Composition in the Sacramento Area Latino Study on Aging. *Gerontologist*. 2019 Nov 27. pii: gnz139. doi: 10.1093/geront/gnz139. [Epub ahead of print] PMID: 31774118

196. Stebbins RC, Noppert GA, **Aiello AE**, Cordoba E, Ward JB, Feinstein L (2019) Persistent socioeconomic and racial and ethnic disparities in pathogen burden in the United States, 1999-2014. *Epidemiol Infect.* 2019 Nov 11;147:e301. doi: 10.1017/S0950268819001894. PMID: 31709963
195. Nievergelt CM, Maihofer AX, Klengel T, Atkinson EG, Chen CY, Choi KW, Coleman JRI, Dalvie S, Duncan LE, Gelernter J, Levey DF, Logue MW, Polimanti R, Provost AC, Ratanatharathorn A, Stein MB, Torres K, **Aiello AE**, Almli LM, Amstadter AB, Andersen SB, Andreassen OA, Arbisi PA, Ashley-Koch AE, Austin SB, Avdibegovic E, Babić D, Bækvad-Hansen M, Baker DG, Beckham JC, Bierut LJ, Bisson JI, Boks MP, Bolger EA, Børghlum AD, Bradley B, Brashear M, Breen G, Bryant RA, Bustamante AC, Bybjerg-Grauholm J, Calabrese JR, Caldas-de-Almeida JM, Dale AM, Daly MJ, Daskalakis NP, Deckert J, Delahanty DL, Dennis MF, Disner SG, Domschke K, Dzubur-Kulenovic A, Erbes CR, Evans A, Farrer LA, Feeny NC, Flory JD, Forbes D, Franz CE, Galea S, Garrett ME, Gelaye B, Geuze E, Gillespie C, Uka AG, Gordon SD, Guffanti G, Hammamieh R, Harnal S, Hauser MA, Heath AC, Hemmings SMJ, Hougaard DM, Jakovljevic M, Jett M, Johnson EO, Jones I, Jovanovic T, Qin XJ, Junglen AG, Karstoft KI, Kaufman ML, Kessler RC, Khan A, Kimbrel NA, King AP, Koen N, Kranzler HR, Kremen WS, Lawford BR, Lebois LAM, Lewis CE, Linnstaedt SD, Lori A, Lugonja B, Luykx JJ, Lyons MJ, Maples-Keller J, Marmar C, Martin AR, Martin NG, Maurer D, Mavissakalian MR, McFarlane A, McGlinchey RE, McLaughlin KA, McLean SA, McLeay S, Mehta D, Milberg WP, Miller MW, Morey RA, Morris CP, Mors O, Mortensen PB, Neale BM, Nelson EC, Nordentoft M, Norman SB, O'Donnell M, Orcutt HK, Panizzon MS, Peters ES, Peterson AL, Peverill M, Pietrzak RH, Polusny MA, Rice JP, Ripke S, Risbrough VB, Roberts AL, Rothbaum AO, Rothbaum BO, Roy-Byrne P, Ruggiero K, Rung A, Rutten BPF, Saccone NL, Sanchez SE, Schijven D, Seedat S, Seligowski AV, Seng JS, Sheerin CM, Silove D, Smith AK, Smoller JW, Sponheim SR, Stein DJ, Stevens JS, Sumner JA, Teicher MH, Thompson WK, Trapido E, Uddin M, Ursano RJ, van den Heuvel LL, Van Hooff M, Vermetten E, Vinkers CH, Voisey J, Wang Y, Wang Z, Werge T, Williams MA, Williamson DE, Winternitz S, Wolf C, Wolf EJ, Wolff JD, Yehuda R, Young RM, Young KA, Zhao H, Zoellner LA, Liberzon I, Ressler KJ, Haas M, Koenen KC (2019) International meta-analysis of PTSD genome-wide association studies identifies sex- and ancestry-specific genetic risk loci. *Nat Commun.* 2019 Oct 8;10(1):4558. doi: 10.1038/s41467-019-12576-w. PMID: 31594949
194. Lipnicki DM, Makkar SR, Crawford JD, Thalamuthu A, Kochan NA, Lima-Costa MF, Castro-Costa E, Ferri CP, Brayne C, Stephan B, Llibre-Rodriguez JJ, Llibre-Guerra JJ, Valhuerdi-Cepero AJ, Lipton RB, Katz MJ, Derby CA, Ritchie K, Ancelin ML, Carrière I, Scarmeas N, Yannakouli M, Hadjigeorgiou GM, Lam L, Chan WC, Fung A, Guaita A, Vaccaro R, Davin A, Kim KW, Han JW, Suh SW, Riedel-Heller SG, Roehr S, Pabst A, van Boxtel M, Köhler S, Deckers K, Ganguli M, Jacobsen EP, Hughes TF, Anstey KJ, Cherbuin N, Haan MN, **Aiello AE**, Dang K, Kumagai S, Chen T, Narazaki K, Ng TP, Gao Q, Nyunt MSZ, Sczufca M, Brodaty H, Numbers K, Trollor JN, Meguro K, Yamaguchi S, Ishii H, Lobo A, Lopez-Anton R, Santabárbara J, Leung Y, Lo JW, Popovic G, Sachdev PS; for Cohort Studies of Memory in an International Consortium (COSMIC) (2019) Determinants of cognitive performance and decline in 20 diverse ethno-regional groups: A COSMIC collaboration cohort study. *PLoS Med.* 2019 Jul 23;16(7):e1002853. doi: 10.1371/journal.pmed.1002853. eCollection 2019 Jul. PMID: 31335910
193. Kahkoska AR, Nguyen CT, Adair LA, **Aiello AE**, Burger KS, Buse JB, Dabelea D, Dolan LM, Malik FS, Mottl AK, Pihoker C, Reboussin BA, Sauder KA, Kosorok MR, Mayer-Davis EJ (2019) Longitudinal Phenotypes of Type 1 Diabetes in Youth Based on Weight and Glycemia and Their Association With Complications. *J Clin Endocrinol Metab.* 2019 Dec 1;104(12):6003-6016. doi: 10.1210/je.2019-00734. PMID: 31290977
192. Kim GS, Smith AK, Xue F, Michopoulos V, Lori A, Armstrong DL, **Aiello AE**, Koenen KC, Galea S, Wildman DE, Uddin M (2019) Methylomic profiles reveal sex-specific differences in leukocyte composition associated with post-traumatic stress disorder. *Brain Behav Immun.* Oct;81:280-291. doi: 10.1016/j.bbi.2019.06.025. Epub 2019 Jun 19. PMID: 31228611
191. Martin CL, Kane JB, Miles GL, **Aiello AE**, Harris KM. (2019) Neighborhood disadvantage across the transition from adolescence to adulthood and risk of metabolic syndrome. *Health Place.* 2019 Apr 26;57:131-138. doi: 10.1016/j.healthplace.2019.03.002. [Epub ahead of print] PMID: 31035097
190. Kahkoska AR, Adair LA, **Aiello AE**, Burger KS, Buse JB, Crandell J, Maahs DM, Nguyen CT, Kosorok MR, Mayer-Davis EJ. (2019) Identification of clinically relevant dysglycemia phenotypes based on continuous glucose

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23. Haan M.N., Miller J.W., **Aiello AE**, Whitmer R.A., Jagust W.J., Mungas D.M., Alan L.H., Green R. (2007) Homocysteine, B vitamins, and the incidence of dementia and cognitive impairment: Results from the Sacramento Area Latino Study on Aging. *American Journal of Clinical Nutrition*. 85(2):511-7. PMID: 17284751, PMCID: PMC1892349.
22. **Aiello AE**†, King NB, Foxman B (2006) Ethical conflicts in public health research and practice: Antimicrobial resistance and the ethics of drug development. *American Journal of Public Health*. 96(11):1910-4. PMID: 17018817, PMCID: PMC1751800.
21. **Aiello AE**†, Haan M.N., Blythe L., Moore K., Gonzalez J.M., Jagust W. (2006) The influence of latent viral infection on rate cognitive decline over 4 years. *Journal of American Geriatrics Society*. 54(7):1046-54. PMID: 16866674.
20. Larson E and **Aiello AE**† (2006) Systematic risk assessment methods for the infection control professional. *American Journal of Infection Control*. 34(5):323-6. PMID: 16765214.
19. **Aiello AE**†, Lowy F.D., Wright L.N., Larson E.L. (2006) *Meticillin-resistant Staphylococcus aureus* among U.S. prisoners and military personnel: Review and recommendations for future studies. *Lancet Infectious Diseases*. 6(6):335. PMID: 16728319.
18. **Aiello AE**†, Marshall B., Levy S.B., Della-Latta P., Lin S.X., Larson E. (2005) Antibacterial cleaning products and drug resistance. *Emerging Infectious Diseases*. 11(10):1565-70. PMID: 16318697, PMCID: PMC3366732.
17. Pancholi P., Healy M., Bittner T., Webb R., Wu F., **Aiello, A**, Larson E., Latta P.D. (2005) Molecular characterization of hand flora and environmental isolates in a community setting. *Journal of Clinical Microbiology*. 43(10):5202-7. PMID: 16207984, PMCID: PMC1248454.
16. Diez-Roux AV and **Aiello AE** (2005) Multilevel analysis of infectious diseases. *Journal of Infectious Diseases*. 191 Suppl 1:S25-33. PMID: 15627228.

15. **Aiello AE**†, Marshall B., Levy S.B., Della-Latta P., Larson E. (2004) Relationship between triclosan and susceptibilities of bacteria isolated from hands in the community. *Antimicrobial Agents and Chemotherapy*. 48(8):2973-9. PMID: 15273108, PMCID: PMC478530.
14. Larson E.L., **Aiello AE**, Cimiotti J.P. (2004) Assessing nurses' hand hygiene practices by direct observation or self-report. *Journal of Nursing Measurement*. 12(1):77-85. PMID: 15916321
13. Larson E.L., **Aiello AE**, Gomez-Duarte C., Lin S.X., Lee L., Della-Latta P., Lindhardt C. (2003) Bioluminescence ATP monitoring as a surrogate marker for microbial load on hands and surfaces in the home. *Food Microbiology*. 20(6):735-9. [http://dx.doi.org/10.1016/S0740-0020\(03\)00041-8](http://dx.doi.org/10.1016/S0740-0020(03)00041-8)
12. **Aiello AE**, Cimiotti J., Della-Latta P., Larson E.L. (2003) A comparison of the bacteria found on the hands of 'homemakers' and neonatal intensive care unit nurses. *Journal of Hospital Infection*. 54(4):310-5. PMID: 12919763, PMCID: PMC2062569.
11. **Aiello AE**† and Larson E (2003) Antibacterial cleaning and hygiene products as an emerging risk factor for antibiotic resistance in the community. *Lancet Infectious Diseases*. 3(8):501-6. PMID: 12901892.
10. Sultana B, Cimiotti J, **Aiello AE**, Sloan D, Larson E (2003) Effects of age and race on skin condition and bacterial counts on hands of neonatal ICU nurses. *Heart and Lung*. 32(4):283-9. PMID: 12891170.
9. Larson E, **Aiello A**, Lee LV, Della-Latta P, Gomez-Duarte C, Lin, S (2003) Short- and long-term effects of handwashing with antimicrobial or plain soap in the community. *Journal of Community Health*. 28(2):139-50. PMID: 12705315.
8. **Aiello AE** and Larson EL (2002) Causal inference: the case of hygiene and health. *American Journal of Infection Control*. 30(8):503-11. PMID: 12461515.
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6. **Aiello AE**, and Larson EL (2002) What is the evidence for a causal link between hygiene and infections? *Lancet Infectious Diseases*. 2(2):103-10. PMID: 11901641.
5. **Aiello AE** and Larson EL (2001) An analysis of 6 decades of hygiene-related advertising: 1940-2000. *American Journal of Infection Control*. 29(6):383-8. PMID: 11743485.
4. Larson EL and **Aiello AE** (2001) Hygiene and health: An epidemiologic link? *American Journal of Infection Control*. 29(4):232-8. PMID: 11486261
3. Larson EL, **Aiello AE**, Bastyr J, Lyle C, Stahl J, Cronquist A, Lai L, Della-Latta P (2001) Assessment of two hand hygiene regimens for intensive care unit personnel. *Critical Care Medicine*. 29(5):944-51. PMID: 11378602.
2. Larson E.L., **Aiello, AE**, Heilman J.M., Lyle, C.T. Cronquist A., Stahl J.B., Della-Latta P. (2001) Comparison of different regimens for surgical hand preparation. *Association for Operating Room Nurses*. 73(2):412-4, 417-8, 420. PMID: 11218929.
1. **Aiello AE**, Xiao L., Limor J.R., Liu C., Abrahamsen M.S., Lal A.A. (1999) Microsatellite analysis of the human and bovine genotypes of *Cryptosporidium parvum*. *Journal of Eukaryotic Microbiology*. 46(5):46S-47S. PMID: 10519243.

INVITED EDITORIALS/COMMENTS, REVIEWS, BOOKS/CHAPTERS/MONOGRAPHS

Editorials/Comments

15. Boyce RM, Shook-Sa BE, **Aiello AE (2020)** Invited commentary: A tale of two studies: Study design and our understanding of SARS-CoV-2 seroprevalence. *Clin Infect Dis*. 2020 Dec 18:ciaa1868. doi: 10.1093/cid/ciaa1868. Online ahead of print. PMID: 33338219 No abstract available.
14. **Aiello AE**, Green LW (2019) Introduction to the Symposium: Causal Inference and Public Health. *Annu Rev Public Health*. 2019 Apr 1;40:1-5. doi: 10.1146/annurev-publhealth-111918-103312. PMID: 30935304
13. **Aiello AE (2017)** Invited Commentary: Evolution of Social Networks, Health, and the Role of Epidemiology. *Am J Epidemiol*. 2017 May 23:1-4. doi: 10.1093/aje/kwx076. [Epub ahead of print] PMID: 28535168
12. Mooney SJ, Bader MDM, Lovasi GS, Teitler JO, Koenen KC, **Aiello AE**, Galea S, Goldmann E, Sheehan DM, Rundle AG. (2017) Mooney et al. Respond to "Observing Neighborhood Physical Disorder". *Am J Epidemiol*. 2017 Aug 1;186(3):278-279. doi: 10.1093/aje/kwx006. No abstract available. PMID:28899030
11. Barnes LL, Capuano AW, **Aiello AE**, Turner AD, Yolken RH, Torrey EF, Bennett DA (2015) Reply to Itzhaki. *J Infect Dis*. 2015 Jan 29. pii: jiv052. [Epub ahead of print] PMID: 25635124.
10. Simanek AM, Tarter KD, Dowd JB, **Aiello AE (2014)** Reply to Mendy. *Journal of Infectious Diseases*. [Epub ahead of print] PMID: 24511097.
9. Strandberg TE, **Aiello AE (2013)** Is the microbe-dementia hypothesis finally ready for a treatment trial? *Neurology*. 80(13):1182-3. PMID: 23530150.
8. Gowda C, Hadley C, **Aiello AE (2013)** Response to comment on: The association between food insecurity and inflammation in the US adult population. Gowda et al. respond. *Am J Public Health*. 2013 Jan;103(1):e4-5. PMID: 23153161, PMCID: PMC3518326.
7. Gowda C, Hadley C, **Aiello AE (2013)** Response to comment on: The association between food insecurity and inflammation in the US adult population. Gowda et al. respond. *Am J Public Health*. 2013 Mar;103(3):e6. PMID: 23327268, PMCID: PMC3673527.
6. **Aiello AE** and Simanek AM (2012) Invited Editorial. CMV and Immunological Aging: The Real Driver of HIV and Heart Disease? *Journal of Infectious Diseases*. 205(12):1772-4. PMID: 22492854.
5. Jeon CY, **Aiello AE (2012)** Comment on: Rayner et al. Stomach bugs and diabetes: An astounding observation or just confounding? *Diabetes Care*. Oct;35(10):e74. PMID: 22996187, PMCID: PMC3447840.
4. Jeon CY, Haan MN, Cheng C, Clayton ER, Mayeda ER, Miller JW, **Aiello AE (2012)** Response to Comment on: Jeon et al. Helicobacter pylori Infection Is Associated With an Increased Rate of Diabetes. *Diabetes Care*. 35(7):e56. PMID: 22723591, PMCID: PMC3379581.
3. Jeon CY, Haan MN, Cheng C, Clayton ER, Mayeda ER, Miller JW, **Aiello AE (2012)** Response to Comment on: Jeon et al. Helicobacter pylori Infection Is Associated With an Increased Rate of Diabetes. *Diabetes Care*. 35(7):e54. PMID: 22723589, PMCID: PMC3379582.
2. Roberts, ET, Haan, MN, Dowd JB, **Aiello AE (2010)** Roberts et al. respond to "Human CMV, inflammation, and mortality" *American Journal of Epidemiology*. 172(4):375-6. PMID: 20660118, PMCID: PMC3133814.
1. Eisenberg J, **Aiello, AE**, Spicknall, I, Monto AS, Reingold A. (2009) Commentary: Protecting the herd from H1N1. *Science*. 326(5955):934. PMID: 19965495.

Books/chapters/monographs/book reviews

8. Dhingra R, Nwanaji-Enwerem JC, **Aiello A**, Sentilles F, King B, and Caviness CW. (2020) Chapter 10. Epigenetics, aging and early life. Chapter in Fry and Tollefsbol (Eds.) *Environmental Epigenetics in Toxicology and Health*. *Translational Epigenetics Series*. Elsevier and Academic Press.
7. **Aiello AE**, Simanek AM, Stebbins RC, Dowd JB (2018) Psychosocial Influences on Infectious Disease. Chapter in: Kawachi, Steptoe, Kivimaki (Eds.) *Handbook of Psychosocial Epidemiology*. Routledge, Taylor & Francis
6. **Aiello AE** and Dowd JB. (2012) Socio-economic status and immunosenescence. Chapter in: J.A. Bosch, A.C. Phillips & J.M. Lord (Eds.). *Immunosenescence: Psychosocial and Behavioral Determinants*. Springer, New York. pp. 433
5. Zeki Al Hazzouri A, Odden M, Mayeda ER, **Aiello AE**, Neuhaus JM, Haan MN (2010) Lifetime socioeconomic position and functional decline in older Mexican Americans: Results from the Sacramento Area Latino Study on Aging. In Health Care Policy Changes for Aging Latinos: in the Mexican-Origin Population- Monograph. Springer Press. 2011
4. Coulborn RM, Rees Clayton E, and **Aiello AE** (2010) Pharmaceutical and personal care products in the environment and potential risks of emerging antibiotic resistance. Chapter in: Halden R., (Ed.). *Contaminants of Emerging Concern in the Environment: Ecological and Human Health Considerations*. ACS Symposium Series; American Chemical Society: Washington, DC, 2010: pp 367-382
3. **Aiello AE** (2009) Invited Book Review. Neoliberalism, globalization and inequalities: Consequences for health and quality of life. Navarro, V. (ed.). *Journal of Epidemiology and Community Health*. 63:e16
2. **Aiello AE**†, Larson EL, Sedlak R (2007) Against disease: The impact of hygiene and cleanliness on health. (SDA) Soap and Detergent Association. pp. 117 (Book 1st author)
1. **Aiello AE**†, Haan, MN, Moore, K.A., Blythe L, Gonzalez JK, Jagust W (2006). Markers of infection predict cognitive decline over four years. *Research and Practice in Alzheimer's Disease and Cognitive Decline*. Vol. 9 (Paper in Monograph)

Selected Research/Expertise Media Coverage

National Public Radio (NPR), ABC Nightly News, New York Times, Washington Post, LA Times, USA Today, Telegraph, Forbes, Time Magazine, Scientific American, Popular Science, Good House Keeping, and guest appearances on the Dr. Oz show

Seminars/Invited Talks/Session Talks/Moderator (selected)

Aiello AE (2021) Stressors, immunity, and infection: Novel pathways for dementia risk. Invited Seminar at the University of Oxford Nuffield Department of Population Health, Medical Sciences Division, University of Oxford, Oxford UK. September 2021

Aiello AE (2021) Life course, immunity, and infection: Novel pathways for dementia risk? Invited Seminar at the Duke University Population Health Department, Duke University School of Medicine, Duke University, Durham, NC. September 2021

Aiello AE (2021) The influence of stressors on immunity and infection: New pathways to cognitive impairment and dementia? Invited Seminar at the Duke University Population Research Institute. Duke University, Durham, NC. March 2021

Aiello AE (2020) North Carolina COVID-19 Surveillance Network (CoSNet): An update on sero-surveillance studies and logistical considerations. Invited Presentation to the Centers for Disease Control and Prevention (CDC) as part of the CSTE/APHL/CDC Serology Working Group. August 2020

Aiello AE (2019) The influence of stressors on immunity and epigenetic alterations in the community setting. Invited Talk at the Jacobs Center, University of Zurich, Switzerland. October 2019

Aiello AE (2019) Future of Epidemiology: An outlook on measurement and methods for studying social determinants. Society for Epidemiological Research, Minneapolis, Minnesota, June 2019

Aiello AE (2019) Plenary Session 3. Hogue Mid-Career Award Talk. Testing the limits of mitigation measures for an influenza pandemic. Society for Epidemiological Research, Minneapolis, Minnesota, June 2019

Aiello AE (2019) Intergenerational and Life Course Influences on Health. Invited Talk. NYU School of Medicine. Epidemiology Seminar Series. Department of Population Health. June 6

Aiello AE (2018) Intergenerational and Life Course Influences on the Health of Individuals of Mexican Heritage. Invited Talk at Albert Einstein College of Medicine, Bronx NY. Dec 7

Aiello AE (2018) Panel Moderator for “Policy-Relevant Evidence for Population Health: Promise and Challenges.” Health Science in the United States: Trends, Evidence, and Effective Policy. A Joint Symposium of the Roundtable on Population Health Improvement and the interdisciplinary Association for Population Health Science. National Academies of Sciences. Washington DC. Oct 3

Aiello AE (2018) Stress, Immunity, Infection, and Cellular Aging in Population Based Studies. Invited Talk at the Keystone Symposia on Aging, Inflammation and Immunity. Sponsored by the Keystone Symposia on Molecular and Cellular Biology. Austin, TX. Feb 25-March 1

Aiello AE (2018) Social networks, smartphones, and electronic sensors for studying infection and behaviors. Invited Talk. Rho Inc. Clinical Drug Development and Contract Research Services. Chapel Hill, NC. July 24

Aiello AE (2017) A view from the bridge connecting social inequities and health: Integrating social and biological perspectives. Presented at: Achieving Health Equity. The Impact of the Social Determinants of Housing, Education & Employment on Health Inequities. Invited talk Sponsored by the Robert Wood Johnson Foundation and Duke University. Durham, NC. October 30th

Aiello AE (2017) The impact of pathogen burden on health and longevity. (Presented by Dr. Grace Noppert). Talk In Session: Impact of chronic viral infection in human immunosenescence: a global health problem. International Association of Gerontology and Geriatrics. San Francisco, CA. July 23-27

Aiello AE (2017) From uncertainty to certainty: The banning of antibacterial soaps. Talk presented at the Implementation Science Session. Society for Epidemiological Research Annual Meeting. Miami, FL. June 14

Aiello AE (2017) Novel markers of immune function on the social pathways to health. NYU School of Medicine. Epidemiology Seminar Series. Department of Population Health. New York, NY, May 15th

Aiello AE, Eisenberg M, Walsh A, Gao H, Rainey J, Uzicanin A, Monto A (2017) A social network study of isolation and influenza-like illness in the university setting: the eX-FLU study. Invited talk. Mathematical Biology Institute (MBI) Population Models in the 21st Century. Ohio State University, Columbus OH.

Aiello AE (2016) Exploring the interfaces between communicable and non-communicable diseases in public health. Featured Invited Talk. Cambridge Institute for Public Health and the PublicHealth@Cambridge, Li Ka Shing Centre- Cambridge Biomedical Campus, Cambridge University, UK. Nov 3rd. (Declined)

Aiello AE. (2016) Novel Approaches for Bio-social Integration in Epidemiologic Studies. Symposium Chair. Society for Epidemiological Research Annual Meeting. Miami, FL. June 14

Aiello AE (2016) Prevalence of Abandoned Homes in the Neighborhood and Thymic Function. Invited Paper Presentation. Russell Sage Foundation Meeting on Biosocial Pathways of Well-Being Across the Life Course. New York, NY. June 10.

Aiello AE (2016) Non-pharmaceutical interventions with and without pharmaceutical ingredients- how can we safely reduce infectious diseases and improve health. Invited Talk. National Institute of Environmental Health Sciences. Research Triangle Park, NC. April 11

Aiello AE (2016) Educational Mobility, Discrimination, Acculturation and Mental Health in Mexican Americans. Invited Talk. Network on Life Course Health Dynamics and Disparities in 21st Century America. Washington DC. April 6.

Aiello AE (2016) Socioeconomic position over the life course, infectious pathways and chronic health outcomes. Invited Talk. Faculty of Health Sciences Seminar Series “Public Health in a world of uncertainty.” American University of Beirut, Lebanon

Aiello AE (2015) Using social networks and smart phones to uncover the social determinants of respiratory infection transmission. Symposia Talk. American Public Health Association Meeting. Chicago, IL. October 30.

Aiello AE (2015) A randomized social network intervention of isolation on respiratory infections in the community setting. Infectious Disease Conference, Clinical Division of Infectious Disease, UNC Medical School, Chapel Hill. April 10

Aiello AE (2015) Sensitive Periods, Plasticity and Resilience. Seminar presented at Duke-UNC Social and Biological Determinants of Health Collaborative. Duke University. April 21

Aiello AE (2015) CMV and Chronic Disease Epidemiology: Neither separate nor unequal. Talk presented at Rush University, Department of Immunology- Microbiology, Rush Medical College. March 27

Aiello AE, Demmer R (2014) Opportunities for human microbiome research in epidemiological studies. Society for Epidemiological Research Annual Meeting. Symposia Chairs. Seattle WA. June 25

Aiello AE (2014) Socioeconomic and Cultural Determinants of Latino Health. Talk presented at the Carolina Population Center Seminar Series, University of North Carolina, Chapel Hill. November 14

Aiello AE (2014) Exploring the role of CMV in Stress-related Alteration of the Aging Immune System. Talk presented at the Gerontological Society of America. Annual Meeting. Washington, DC. November 5-9

Aiello AE (2014) Update on Strategies to Prevent Healthcare-Associated Infections through Hand Hygiene. Presentation on behalf of the Society for Healthcare Epidemiology of America. United States Food and Drug Administration. Nonprescription Drugs Advisory Committee Meeting. Silver Spring, MD. September 3

Aiello AE (2014) Controversies in Infectious Disease Prevention and Control. Invited Speaker: Triclosan- Do we still need to weigh the evidence? 114th General meeting of the American Society of Microbiology. Boston, MA. May 20

Aiello, AE (2014) A Social Network Intervention for Reducing Influenza Transmission and Studying Behaviors. Demography Daze. Sponsored by Duke Population Research Institute and Carolina Population Center. Duke University, Durham, NC. May 8

Aiello AE (2014) Influenza and the built environment- understanding modes of transmission in a sustainable future. What have we learned from campus dorm studies? Invited Speaker: National Socio-Environmental Synthesis Center Workshop. Annapolis, MD. March 6-7

Aiello AE (2013) Infection and chronic disease epidemiology: Neither separate nor unequal. Columbia University-Mailman School of Public Health. Invited Speaker: Robert Wood Johnson Foundation Health and Society Scholars Seminar. New York, NY. May 3

Aiello AE (2012) Social determinants of persistent infections in the United States. University of North Carolina-School of Public Health. Invited Speaker: Epidemiology Departmental Seminar. Chapel Hill NC. April 4

Aiello AE (2012) Invited Speaker and Session Chair. Cytomegalovirus, stress, and immune markers of aging. 3rd International Workshop on CMV & Immunosenescence. Córdoba, Spain, March

Aiello AE (2011) Invited Speaker. *Emerging and Persistent Infectious Diseases (EPID): Focus on Mitigation*. Institute on Science for Global Policy (ISGP), Edinburgh, Scotland, October (Declined)

Aiello AE (2011) The Health Impacts of Triclosan in the United States. Invited Speaker. Honorary Host Rep. Louise Slaughter and Rep Betty McCollum. Congressional Meeting Room South, US Capitol. Food and Water Watch Issue Briefing: Triclosan: OurHealth, Our Environment. Washington, DC. February 17

Aiello AE (2011) Social patterning of infections linked to chronic disease. Kinesiology and Community Health Colloquium Invited Speaker. University of Illinois at Urbana-Champaign. March 4. Urbana, IL

Aiello AE (2010) Social determinants of persistent infections in the United States. Invited Speaker: Department of Society, Human Development and Health Seminar Series, Harvard School of Public Health. November 18. Boston, MA

Aiello AE (2010) Social patterning of infections linked to chronic disease. Featured Seminar Speaker. Epidemiology Department, Harvard School of Public Health. November 3. Boston, MA

Aiello, AE (2010) Keynote address speaker: Social determinants of infectious disease. 10th Annual Michigan Communicable Disease Conference. Michigan Department of Community Health. May 20. Bay City, MI

Aiello AE, Coulborn RC, Perez V, Davis B, Uddin M, Waterman S, Shay D, Monto, AS (2009) Reducing transmission of influenza by face masks and hand hygiene. Talk presented at the 14th International Congress on Infectious Diseases. March 9-12. Miami, FL.

Aiello AE (2009) Personal health – bringing hygiene home. Invited speaker Rudolf Schulke Foundation symposium "The need of hygiene in everyday life – challenges and perspectives". Nov 26-27. Hamburg, Germany.

Aiello AE (2009) Social patterning and prevention of infections in the community setting. Dean's distinguished visiting scholar speaker. Columbia University School of Nursing. Nov 12. New York, NY.

Aiello AE. (2009) Preventing influenza transmission with personal protective equipment: Clinical and community Studies. Invited speaker at the "Workshop on personal protective equipment for healthcare workers in the workplace against novel H1N1 influenza." Institute of Medicine- Board on Health Sciences Policy. August 12-13. Washington, DC.

Aiello AE (2008) Does mask use and hand hygiene reduce seasonal influenza in the university setting? Invited speaker at Columbia University Medical Center, College of Physicians and Surgeons, Infectious Disease Seminar. November 20. New York, NY.

Aiello AE (2008) Social determinants linking infection and chronic disease. Invited speaker at Columbia University, Mailman School of Public Health, Psychiatric Epidemiology Training Program Seminar. November 20. New York, NY.

Aiello AE (2008) Preventing infections in the community: Efficacy of hand hygiene, antiseptics and face masks. Invited speaker at Washington University in St. Louis School of Medicine, Clinical Epidemiology, Prevention and Population Science Seminar Series. November 18. St. Louis, MO.

Aiello AE, Murray GF, Coulborn RM, Noone A, Monto AS (2008) Mask use reduces seasonal influenza-like illness in the community setting. Talk presented at the 48th Annual Interscience Conference on Antimicrobial Agents and Chemotherapy and 46th Annual Meeting of the Infectious Disease Society of America. October 25-28. Washington, DC.

Aiello AE (2008) Preventing infectious disease in the community. Invited speaker at Freiburg University-Universitätsklinikum Freiburg Institut für Umweltmedizin und Krankenhaushygiene. October 15. Freiburg, Germany.

Aiello AE (2008) Preventing infections in the community setting: Efficacy of hand hygiene and antiseptic soaps. Invited speaker at University of Georgia, College of Public Health Seminar. September 18. Athens, GA.

Aiello AE, Carson R, Levy SB, Marshall B, Larson EL (2008) Use of household cleaning products containing benzalkonium chloride and antibiotic resistance in the community. Invited speaker at 2008 Annual Conference on Antimicrobial Resistance sponsored by the National Foundation for Infectious Diseases. June 24-25. Bethesda, MD.

Aiello AE (2008) Antibacterial soaps: Effective or just risky? Invited Speaker at CALTECH, Division of Biology graduate seminar series. April 1, 2008. Pasadena, CA.

Aiello AE (2008) Social patterning in the links between infection and chronic disease. Invited chalk talk. CALTECH, Division of Biology. April 1, 2008. Pasadena, CA.

Aiello AE (2008) Effectiveness of hand hygiene interventions in the community setting. Invited speaker at the 2008 Infection Control Forum sponsored by STERIS®. January 11-12. Cleveland, OH.

Aiello AE (2007) Public Health research: What it is, how it's done and who is doing it. Invited talk presented at the 2007 Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) annual meeting, Professional development session presenter. October 11-14. Kansas City, MO.

Aiello AE, Diez-Roux A, Ranjit N, Szklo M, Cushman M, Tsai M. (2007) Socioeconomic gradient in burden of infections implicated in cardiovascular disease. Talk at the 40th Annual Society of Epidemiological Research Meeting. June 19-22. Boston, MA.

Aiello AE and Monto AS (2007) MFLU: Reducing transmission of influenza by face masks. Invited speaker at the Models of Infectious Disease Agent Study (MIDAS) Consultation and Network meeting held at the University of Pennsylvania School of Veterinary Medicine. May 7-10. Philadelphia, PA.

Aiello AE, Haan MN, Osypuk T, Moore K (2007) Neighborhood socioeconomic context and cognition among aging Latinos. Talk at the World Federation of Neurology Meeting. May 4. Boston, MA.

Aiello AE (2006) Infection as a risk factor for chronic disease: A social and epidemiological assessment. Connection between Oral Health and General Health Session. Talk at the 2006 American Public Health Association 134th Annual Meeting. November 4-8. Boston, MA.

Aiello AE, Wilson S, Sanchez Y (2006) Academic and career trajectories: Examples in the public health disciplines of epidemiology and environmental health. Invited talk at the 2006 Society for the Advancement of Chicanos and Native Americans in Science Annual Meeting, Professional development session presenter. October 26-29. Tampa, FL.

Aiello AE (2006) Topical Antiseptic use in the community setting: Weighing the benefits and risks. Invited speaker at the 2006 Infection Control Forum sponsored by STERIS®. October 7-8. Mentor, OH.

Aiello AE (2006) Resistance to topical antiseptics: Does it matter? Invited speaker at the 2006 Annual Conference on Antimicrobial Resistance sponsored by the National Foundation for Infectious Diseases. June 26-28. Bethesda, MD.

Aiello AE, Haan MN, Kumar S, Moore KA, Blythe L. (2005) Novel infectious biomarkers of cognitive impairment. Talk presented at the Alzheimer's Association International Prevention of Dementia Conference. June 18-21. Washington, D.C. Published abstract.

Aiello AE (2004) Household use of antimicrobial soaps and antimicrobial-resistance in the community: Do the risks outweigh the benefits? Invited speaker: University of Michigan, Department of Epidemiology Seminar Series. Ann Arbor, MI.

Aiello AE, Marshall B, Levy S, Della-Latta P, Larson E (2003) The relationship between antibacterial cleaning and hygiene products and antibiotic susceptibility in the community setting. Talk presented at the American Public Health Association Annual Meeting: Behavior, Lifestyle and Social Determinants of Health. San Francisco, CA.

RESEARCH GRANTS

Awarded

R01 MD011728 (Uddin, Aiello, Wildman, MPIs) NIH/NIMHD Epigenomic Predictors of PTSD and Traumatic Stress in an African American Cohort	09/18/21 – 08/31/25 \$3,101,032.00 Awarded
U01 AG071450 (Aiello, Hummer, MPI) NIH/NIA National Longitudinal Study of Adolescent to Adult Health (Add Health): Wave VI Cognition and Early Risk Factors for Dementia Project	01/13/21 -03/31/26 \$6,992,151.00 Awarded
U01 AG071448 (Hummer) (Role: Co-I and Deputy Director) National Longitudinal Study of Adolescent to Adult Health (Add Health): Wave VI Core Project	02/01/21-03/31/26 \$29,999,838.00 Awarded
NC DHHS (Boyce) (Role: Co-I) UNC COVID Surveillance Studies	07/01/20- 06/30/22 ~\$900,000.00 Awarded
P30 AG066615 (Frankenberg) (Role: Co-Director) NIH/NIA Carolina Center for Population Aging and Health	07/01/2020 - 06/30/2025 \$1,813,335.00 Awarded
R01 AG066498 (McQueen, Aiello, Harris, Krauter, MPIs) NIH/NIA The microbiome and biological aging in the Add Health Study	06/15/20- 03/31/25 \$1,624,057.00 Awarded
R01 AG061437 (Handa) (Role: Co-I) NIH/NIA The effect of poverty, stress and immune function on health across the life-course	09/15/19-04/30/24 \$2,444,522.00 Awarded
Infectious Disease Society of America (Aiello) The role of dementia-associated pathogen burden in the development of Alzheimer's Disease (AD) and other dementias	2019-2021 \$50,000.00 Awarded
R01 MD013349 (Aiello, Harris, MPI) NIH/NIMHD The Add Health Epigenome Resource: Life course stressors and epigenomic modifications in adulthood	08/01/18- 06/30/23 \$3,873,537.00 Awarded
R01 AG057800 (Yang) (Role: Co-Investigator) NIH/NIA Life Course Process of Alzheimer's Disease: Sex Difference and Biosocial Mechanisms	09/01/2017- 08/31/22 \$3,622,487.00 Awarded
T32 HD091058 (Aiello, Hummer, MPI) NIH/NICHHD From Biological to Social Processes: Interdisciplinary Training in Life Course Research	08/21/17 – 04/30/22 \$1,593,891.00 Awarded

UL1TR001111 (Buse) (Role: Co-Investigator) NIH/NCATS North Carolina Translational & Clinical Sciences Institute	03/30/18 – 02/28/23 \$6,264,014.00 Awarded
R01AI129788 (Nagarkatti) (Role: Subcontract PI) Epigenetic Mechanisms of T-cell dysregulation in PTSD	11/15/16 – 10/31/21 \$94,111.00 Awarded
Completed:	
R01 MD011728 (Uddin, Aiello, Wildman, MPiS) NIH/NIMHD Epigenomic Predictors of PTSD and Traumatic Stress in an African American Cohort	08/16/17 – 05/31/21 \$2,769,148.00
NSF 20-4354 (Wu, Aiello, Volfovsky, MPiS) National Science Foundation Statistical tools to quantify and mitigate the spread of COVID-19	05/01/2020- 04/30/2021 \$199,999.00
Russel Sage Foundation (Belsky) (Role: Co-I) BioSS Grant 1810-08987 Life-course sociogenomic analysis of social inequalities in aging.	4/1/2019- 3/31/2021 \$167,303.00
NC DHHS (Boyce) (Role: Co-I) UNC COVID Surveillance Studies	04/01/20- 06/30/20 \$500,000
R01 EB025021 (Volfovsky) (Role: Subcontract PI) NIH/NBIB Matching Methods for causal inference: big data and networks	09/01/17 – 05/31/20 \$334,395.00
R21 MD012345 (Simanek) (Role: Subcontract PI) NIH/NIMHD Socioeconomic Disadvantage, Adverse Birth Outcomes and Fetal Programming of Inflammation	09/06/18-04/30/20 \$167,880.00
DARPA N66001-17-2-4014 (Woods) (Role: Subcontract PI) DOD PROMETHEUS Program PREdicting contagion using Systems and Genomic analysis (PRESAGE)	01/01/2017- 06/30/2018 \$100,000.00
DARPA N66001-17-2-4023 (Milton) (Role: Subcontract PI) DOD PROMETHEUS Program Contagious Phenotypes of Acute Respiratory Infection: Identification, Characterization, and Biomarkers.	01/01/2017- 12/01/2017 \$20,000.00
Gojo Industries, Inc. (Aiello) Gift Award for Hand Hygiene Research	2015-2020 \$45,000.00
R01DK087864-01 (Aiello) NIH/NIDDK Life Course Socioeconomics, Acculturation, & Type-2 Diabetes Risk Among Latinos	05/01/12-04/30/17 \$2,484,123 .00
R01AG040115-01 (Aiello) NIH/NIA	04/15/12-03/31/17

Infectious Links Between Psychosocial Stress and Aging	\$1,762,594.00
U01CK000185 (Aiello, Monto, MPIs) CDC A Randomized Study of Exclusion Criteria in a University Population	09/01/11-08/31/13 \$1,999,963.00
CK2203 (Aiello) The Stanley Medical Research Institute The burden of infection on mental and cognitive health	05/01/11-12/31/14 \$252,000.00
R01DA022720-S1 (Aiello) NIH/NIDA Ecological stressors, PTSD, and drug use in Detroit – PhenX Supplement	09/01/11-08/31/13 \$155,474.00
5RC1MH088283-02 (Aiello) NIH/NIMH Candidate Epigenetic Biomarkers For PTSD: Insights from Detroit	09/30/09-08/31/11 \$994,788.00
R01DA022720-05 (Aiello) NIH/NIDA Ecological stressors, PTSD, and drug use in Detroit	09/01/07-08/31/13 \$3,181,615.00
R01AG012975 (Haan) (Role: Co-I and Subcontract PI) NIH/NIA Epidemiology of Functional Status in Elderly Hispanics	09/01/09-08/31/13 \$4,837,372.00
U01CI000441 (Monto) (Role: Co-PI) CDC Reducing transmission of influenza by face masks	09/15/06-09/29/09 \$2,229,810.00
CK2203 (Aiello) Stanley Medical Research Institute The impact of pathogen burden on cognitive health, physical health, and mortality	10/01/09-09/30/10 \$22,617.00
R21 (Dowd) (Role: Subcontract PI) NIH/NIA Under the skin: Understanding the role of stress and immune function in health disparities	09/22/08-06/30/10 \$171,705.00
Nathan Shock Center of Excellence in the Basic Biology of Aging- University of Michigan (Aiello) Social context, post-traumatic stress, and the immunopathology of aging	02/19-09-12/31/09 \$5,000.00
Institute of Geriatrics, Claude D. Pepper Center, University of Michigan (Aiello) Stress, socioeconomic status, immunological functioning, and health outcomes among older adults in U.S. and Japan	09/01/06-07/3/09 \$118,310.00
NIH RFA MD-11-003 (Diez Roux) (Role: Pilot Grant PI) NIH/NIMHD Center for Integrative Approaches to Health Disparities, P60 MD 002249 Neighborhood cultural isolation and biomarkers of cardiovascular disease among Latinos	09/01/07-08/31/09 \$67,680.00
Office of the Vice-President for Research, University of Michigan (Aiello) Mapping age-related inflammatory risk profiles of functional decline	06/01/06-05/31/09 \$16,000.00

RWJ045823 (Kaplan) (Role: Pilot project PI) Robert Wood Johnson Foundation (RWJF) Herpes and dementia	04/01/04-08/31/07 \$42,768.00
RCDC Pepper Center (Halter) (Role: Pilot project PI) NIH/NIA University of Michigan Institute of Geriatrics training fellowship from the Research Career Development Core of the Claude D. Pepper Center	01/01/06-12/31/06 \$13,923.00 01/01/07-12/31/07 \$13,923.00

TEACHING

University of North Carolina at Chapel Hill

2020	Grant Writing, EPID 726
2019	Research Planning, EPID 725
2015-2018	Introduction to Social Epidemiology, EPID 826
2014, 2016, 2017, 2020	Social Epidemiology Seminar, EPID 799A

Guest Lectures

2019	Fundamentals of Epidemiology, EPID 710
2018	Cardiovascular Disease Epidemiology Program Seminar
2017	Analytical Methods in Observational Epidemiology, EPID 718
2014	Health Inequities in the US, PUBH/MCH 756

University of Michigan

2013	Introduction to Social Epidemiology, EPID 514
2012, 2013	Advance Seminar in Public Health Aging, EPID 813 (co-instructor)
2012, 2013	Field Methods in Epidemiology, EPID 655 (co-instructor)
2011, 2012	Strategies and Uses of Epidemiology, EPID 503 (co-instructor)
2008, 2009	Social Determinants of Infectious Diseases, EPID 672
2007	Introduction to Infectious Disease Epidemiology, EPID 605 (co-instructor)
2006, 2007	Epidemiological Links between Infection and Chronic Disease, EPID 880

Guest Lectures

2012	Introduction to Public Health (~350 undergraduate students)
2009	University of Michigan-Medical School Infectious Disease Sequence
2008-2010	Topics in Cancer Prevention, EPID 631
2008-2011	Introduction to Infectious Disease Epidemiology, EPID 605
2005, 2007, 2009	Advanced Topics in Molecular Epidemiology, EPID 682
2008	Applied Health Policy Analysis, HMP 664
2004-2008	Social Epidemiology, EPID 514
2004-2008	Epidemiology of Aging, EPID 677
2004-2009, 2012	Foundations of Population Health, EPID 804
2007	Field Studies, EPID 664
2006, 2007	Neuroepidemiology, EPID 616
2005, 2006	Molecular Epidemiology of Infectious Diseases, EPID 582
2005	Program Evaluation in Public Health, HMP 640

MENTORSHIP

PhD

PhD Mentorship: 21 Students (7 Co-Mentor)

PhD Student Committee Member: 42 Students

Post-Doctoral

Post-Doctoral Mentorship: 14 Students (7 Co-Mentor)

NIH K Grant Mentorship: 4 K-Awardees

Masters Level or Undergraduate

MS or MPH Mentorship and Committees: 40+ Students

Undergraduate Thesis: 2 Students

UNIVERSITY SERVICE

University, School, and Academic Committees (University of North Carolina)

2020	Greenberg Award Committee, UNC-SPH
2019- 2021	Director of Graduate Studies Committee, Department of Epidemiology, UNC-SPH
2019- 2021	Academic Programs Committee, Gillings School of Global Public Health, Member
2018	Health Equity MPH, Co-Lead in developing this new MPH concentration, UNC-SPH
2017- present	Carolina Population Center, T32 Training Committee, Member
2018- present	UNC School of Medicine, MD-PhD Program Advisory Committee, Member
2018- present	Epidemiology Department, Environmental T32 Training Committee, Member
2018- present	Epidemiology Department, Infectious Disease T32 Training Committee, Member
2018- present	Genetic Epidemiology Training Grant, Member
2017- 2018	UNC Campaign, Faculty Ambassador
2017- 2018	1918 Pandemic Influenza Symposium, Planning Group Member
2016	Gillings Organizational Development Plan Communications Workgroup, Member
2014- Present	Center for Health Equity Research, Advisory Board Member
2013- Present	Graduate Studies Committee Member, Department of Epidemiology, UNC-SPH

Search Committees (University of North Carolina)

2020-2021	Tenure Track Faculty in Epidemiology, Member
2020	Research Track Faculty in Epidemiology, Member
2020	Tenure Track Faculty in Epidemiology, Member
2016- 2018	Chair Department of Epidemiology, Member
2015-2016	Tenure Track Social Epidemiology Faculty, Chair

Search Committees (University of Michigan)

2012-2013	Infectious Disease Faculty, Epidemiology, Chair
2012	Interdisciplinary Faculty, Epidemiology– Social Networks, Member
2010-2011	Dean of the School of Public Health, Member
2010	Interdisciplinary Faculty, Epidemiology– Microbial Ecology, Member
2009-2010	Social Epidemiology Faculty, Member

Academic Committees (University of Michigan)

2013-2013	School of Public Health Curriculum Task Force, Chair
2012-2013	School of Public Health Executive Committee, Member
2012-2013	Masters Curriculum Committee, Co-chair
2011-2013	Health Equity Speakers Seminar Series Grant, Co-PI
2011-2012	General Epidemiology Curriculum Committee, Co-chair
2010-2013	Diversity Committee, University of Michigan SPH, Member
2010-2013	Faculty Ally for Diversity in Graduate Education
2010-2011	U of M Division of Research Development and Administration Review Committee, Member
2008-2010	Curriculum Committee, Member
2008	Fulbright Interview Committee, Member
2007-2012	Robert Wood Johnson Foundation Health and Society Scholars Steering Committee, Member
2005- 2007	Admissions Committee, Member