

Curriculum Vitae
Date Last Revised: 04/2021

Amanda M. Simanek, PhD, MPH

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Education

- PhD in Epidemiologic Science, University of Michigan, Ann Arbor, MI, 2011
- MPH in International Health Epidemiology, University of Michigan, Ann Arbor, MI, 2007
- BA in Women's Studies and Political Science, University of Wisconsin-Madison, Madison, WI, 2002
- Council on International Educational Exchange (CIEE), Charles University, Prague, Czech Republic, Spring 2001

Academic and Professional Positions

- 2020- **Founding Member**, *Dear Pandemic* (dearpandemic.org)
- 2020- **Associate Professor L/I**, School of Medicine and Public Health, Department of Population Health Sciences, University of Wisconsin-Madison, Madison, WI
- 2019- **Associate Professor (with tenure)**, Joseph J. Zilber School of Public Health, University of Wisconsin-Milwaukee, Milwaukee, WI
- 2019- **Center Scientist**, Center for Aging & Translational Research, University of Wisconsin-Milwaukee, Milwaukee, WI
- 2017-2019 **Affiliate Scientist**, Center for Aging & Translational Research, University of Wisconsin-Milwaukee, Milwaukee, WI
- 2014-2020 **Assistant Professor L/I**, School of Medicine and Public Health, Department of Population Health Sciences, University of Wisconsin-Madison, Madison, WI
- 2013-2019 **Assistant Professor**, Joseph J. Zilber School of Public Health, University of Wisconsin-Milwaukee, Milwaukee, WI
- 2012-2013 **Assistant Research Scientist**, School of Public Health, Department of Epidemiology, Center for Social Epidemiology and Population Health, University of Michigan, Ann Arbor, MI
- 2011-2012 **Research Area Specialist Senior**, School of Public Health, Department of Epidemiology, Center for Social Epidemiology and Population Health, University of Michigan, Ann Arbor, MI
- 2006-2011 **Research Assistant**, School of Public Health, Department of Epidemiology, Center for Social Epidemiology and Population Health, University of Michigan, Ann Arbor, MI
- Summer 2006 **MPH Fieldwork Intern**, National Institute for Tuberculosis, Pulmonary Disease and Thoracic Surgery, Vyšné Hágy, Slovakia

Spring 2006 **Research Assistant**, School of Public Health, Office of Public Health Practice, University of Michigan, Ann Arbor, MI

2005-2006 **Research Assistant**, University of Michigan, Institute of Gerontology, Ann Arbor, MI

Awards and Honors

2019-2020 **Marmot Prince Mahidol Fellowship**, Institute of Health Equity, University College London, London, UK

2019-2021 **Health Disparities Loan Repayment Program Award**, National Institutes of Health

2010-2011 **Rackham Predoctoral Fellowship**, University of Michigan, Horace H. Rackham School of Graduate Studies, Ann Arbor, MI

2007-2011 **Rackham Merit Fellowship**, University of Michigan, Horace H. Rackham School of Graduate Studies, Ann Arbor, MI

2006 **Global Health Research and Training Initiative Fellowship**, University of Michigan Office of the Provost and of the Vice President for Research, the Horace H. Rackham School of Graduate Studies, the Institute for Research on Women and Gender, and the Fogarty International Center of the National Institutes of Health, Ann Arbor, MI

2006 **Ronald and Eileen Weiser Award for Student Research in Slovakia**, University of Michigan, Center for Russian and East European Studies, Ann Arbor, MI

Additional Training

2019 *Structural Equation Modeling*, Statistical Horizons 2-Day Workshop, Vancouver, BC

2019 *Epigenetics Boot Camp: Planning and Analyzing DNA Methylation Studies*, Columbia University 2-Day Workshop, New York, NY

2017 *Latent Variable Modelling and Structural Equation Modeling in Social Science Research*, Methods Summer Programme, London School of Economics and Political Science, London, UK

2017 *New Connections Academic Mentoring Program*, Robert Wood Johnson Foundation

2017 *Panel Study of Income Dynamics Data User Workshop*, Inter-university Consortium for Political and Social Research (ICPSR), Summer Program in Quantitative Methods of Social Science Research, University of Michigan, Ann Arbor, MI

2014 *Epid 766: Analysis of Longitudinal Data from Epidemiologic Studies*, 49th Summer Session in Epidemiology, Department of Epidemiology, University of Michigan, Ann Arbor, MI

2012 *Analysis of Large-Scale Networks*, Inter-university Consortium for Political and Social Research (ICPSR), Summer Program in Quantitative Methods of Social Science Research, University of Michigan, Ann Arbor, MI

2012 *Graphs and Network Theory in Infectious Diseases*, 4th Summer Institute in Statistics and Modeling of Infectious Diseases (SISMID), University of Washington, Department of Biostatistics, Seattle, WA

2011 *EPID 787: An Introduction to Multilevel Analysis in Public Health*, 46th Summer Session in Epidemiology, University of Michigan, Department of Epidemiology, Ann Arbor, MI

2010 *EPID 757: Introduction to Meta-Analysis, 45th Summer Session in Epidemiology, University of Michigan, Department of Epidemiology, Ann Arbor, MI*

2007 *Rackham Summer Institute, University of Michigan, Rackham Graduate School, Ann Arbor, MI*

Professional Membership

2018- Interdisciplinary Association of Population Health Sciences

2013- University of Wisconsin Institute for Clinical and Translational Research

Publications

†Corresponding or co-corresponding author, *Current or former Masters student advisee, ‡Current or former dissertation committee advisee, §Current or former PhD advisee

Peer-Reviewed (total citations; 1395, h-index; 16, i10-index; 19)

28. **Simanek, A.M.**[†], Meier, H.C.S., D'Aliso, A., Sandler, D.P. (2021) Objective and Subjective Childhood Socioeconomic Disadvantage and Incident Depression in Adulthood: A Longitudinal Analysis in the Sister Study. *Social Psychiatry and Psychiatric Epidemiology*. Apr 21. doi: 10.1007/s00127-020-02013-5. Epub ahead of print. PMID: 33881563.

27. Ritter, A.Z., Aronowitz, S., Leininger, L., Jones, M., Dowd, J.B., Albrecht, S., Bутtenheim, A.M., **Simanek, A.M.**, Hale, L., and Kumar, A. (2021) Dear Pandemic: Nurses as Key Partners in Fighting the COVID-19 Infodemic. *Public Health Nursing*. Apr 20. doi: 10.1111/phn.12903. Epub ahead of print. PMID: 33876450.

26. Kirkham, F., Bano, A., **Simanek, A.M.**, Pera, A., Reus, B., Caserta, S., Smith, H., Davies, K., Rajkumar, C., and Kern, F. (2021) Cytomegalovirus infection is associated with an increase in aortic stiffness in older men which may be mediated in part by CD4 memory T-cells. *Theranostics*; 11(12):5728-5741. doi:10.7150/thno.58356.

25. Noppert, G.A., Feinstein, L., Dowd, J.B., Stebbins, R.C., Zang, E., Needham, B, Meier, H.C.S., **Simanek, A.M.** and Aiello, A.E. (2020) Pathogen Burden and Leukocyte Telomere Length in the United States. *Immunity & Ageing*. Nov 19;17(1):36. doi: 10.1186/s12979-020-00206-9. PubMed PMID: 33292353

24. Stebbins, R.C., Noppert, G.A., Yang, C., Dowd J.B., **Simanek, A.M.**, Aiello, A.E. (2020) Immune Response to Cytomegalovirus and Cognition in the Health and Retirement Study. *American Journal of Epidemiology*. Oct 23;kwaa238. doi: 10.1093/aje/kwaa238. [Epub ahead of print]. PubMed PMID: 33094810

23. King, A.[‡], Garnier, M., **Simanek, A.M.**, Johnson, N. (2019) Testing Allostatic Load Factor Structures Among Adolescents: A Structural Equation Modeling Approach. *American Journal of Human Biology*. Jul;31(4):e23242. doi: 10.1002/ajhb.23242. [Epub 2019 Apr 25]. PubMed PMID: 31021503

22. Burgess, A.[‡], Johnson, T., Simanek, A.M., Ball, T., Founds, S.F. (2019) Maternal ABO Blood Phenotype and Factors Associated with Preeclampsia Subtype. *Biological Research for Nursing*. May;21(3):264-271. doi: 10.1177/1099800419833782. [Epub 2019 March 14]. PubMed PMID: 30871332

21. **Simanek, A.M.**[†], Zheng, C., Yolken, R., Haan, M., Aiello, A.E. (2019) A Longitudinal Study of the Association Between Persistent Pathogens and Incident Depression Among Older US Latinos. *J Gerontol A Biol Sci Med Sci*. Apr 23;74(5):634-641. doi: 10.1093/gerona/gly172. [Epub 2018 July 31]. PubMed PMID: 30084944

20. **Simanek, A.M.**[†] and Auer, P.L. (2018) Early Life Socioeconomic Disadvantage and Epigenetic Programming of a Pro-inflammatory Phenotype: A Review of Recent Evidence. *Current Epidemiology Reports*. Dec 5: 407. <https://doi.org/10.1007/s40471-018-0169-5>. [Epub 2018 Oct 8].

19. **Simanek, A.M.**[†], Parry, A.*, Dowd, J.B. (2018) Differences in the Association Between Persistent Pathogens and Mood Disorders Among Young to Middle-Aged U.S. Adults. *Brain, Behavior, and Immunity*. Feb;68:56-65. doi: 10.1016/j.bbi.2017.09.017. [Epub 2017 Sep 28]. PubMed PMID: 28965957.
18. Aiello, A.E., Jayabalasingham, B., **Simanek, A.M.**, Diez-Roux, A., Meier, H., Needham, B., Seeman, T., Chen, S., Dowd, J.B. (2017) The Impact of Pathogen Burden and Immune Response on Leukocyte Telomere Length in the Multi Ethnic Study of Atherosclerosis. *Epidemiology & Infection*. Oct;145(14):3076-3084. doi: 10.1017/S0950268817001881. [Epub 2017 Sep 7]. PubMed PMID: 28879822.
17. Meier, H.S.[‡], Haan, M.N., Mendes de Leon, C.F., **Simanek, A.M.**, Dowd, J.B., Aiello, A. E. (2016) Early Life Socioeconomic Status and Immune Response to Persistent Infections Among Elderly Latinos. *Soc Sci Med*. Oct; 166:77-85. doi:10.1016/j.socscimed.2016.07.004. [Epub 2016 Jul 5] PubMed PMID: 27543684.
16. Feinstein, L., Douglas, C., Stebbins, R., Pawelec, G., **Simanek, A.M.**, Aiello, A.E. (2016) Does Cytomegalovirus Infection Contribute to Socioeconomic Disparities in All-Cause Mortality? *Mech Ageing Dev*. Sep;158:53-61. doi: 10.1016/j.mad.2016.06.001. [Epub 2016 June 4]. PubMed PMID: 27268074.
15. **Simanek, A.M.**[†], Uddin, M., Yolken, R., Aiello, A.E. (2016) Use of Archived Neonatal Bloodspots for Examining the Role of Maternal Herpesvirus Infection as a Mediator Between Prenatal Exposure to Traumatic or Stressful Life Events and Offspring Generalized Anxiety Disorder. *Frontiers in Environmental Science*. Aug 23. doi:10.3389/fenvs.2016.00054
14. Aiello, A.E., Feinstein, L., Dowd, J.B., Pawelec, G., Derhovanessian, E., Galea, S., **Simanek, A.M.**[†] (2016) Income and Markers of Immunological Cellular Aging. *Psychosomatic Medicine*. Jul-Aug;78(6):657-66. doi: 10.1097/PSY.0000000000000320. PubMed PMID: 27187853.
13. Aiello, A.E, **Simanek, A.M.**, Eisenberg, M., Walsh, A.R., Davis, B., Volz, E.M., Cheng, C., Uzicanin, A., Rainey, J., Ohmit, S., Monto, A. (2016) A Network Social Exclusion Intervention for Reducing Respiratory Infectious Illness Transmission: The eX-FLU Cluster Randomized Trial. *Epidemics*. Jun;15:38-55. doi: 10.1016/j.epidem.2016.01.001.. [Epub 2016 Feb 1]. PubMed PMID: 27266848.
12. Aiello, A.E., Dowd, J.B., Jayabalasingham, B., Feinstein, L., Uddin, M., **Simanek, A.M.**, Cheng, C., Galea, S., Koenen, K., Dehovanessian, E., Pawelec, G. (2016) PTSD is Associated with an Increase in Aged T Cell Phenotypes in Adults Living in Detroit. *Psychoneuroendocrinology*. May; 67:133-41. doi: 10.1016/j.psyneuen.2016.01.024. [Epub 2016 Feb 3] PubMed PMID: 26894484.
11. **Simanek, A.M.**[†] and Meier, H.C.S. (2015) Association Between Prenatal Exposure to Maternal Infection and Offspring Mood Disorders: A Review of the Literature. *Current Problems in Pediatrics and Adolescent Health Care*. Nov;45(11):325-64. doi: 10.1016/j.cppeds.2015.06.008. Review. [Epub 2015 Oct 23]. PubMed PMID: 26476880. (Accompanying Forward).
10. **Simanek, A.M.**, Dowd, J.B., Zajacova, A., Aiello, A.E. (2015) Unpacking the "Black Box" of Total Pathogen Burden: Which Pathogens Matter Most for Mortality? *Epidemiology & Infection*. Sep;143(12):2624-34. doi: 10.1017/S0950268814003215. [Epub 2014 Dec 18] PubMed PMID: 25518978.
9. Markovitz, A.A., **Simanek, A.M.**, Yolken, R.H., Galea, S., Koenen, K.C., Chen, S., Aiello, A.E. (2015) *Toxoplasma gondii* and anxiety disorders in a community-based sample. *Brain Behav Immun*. Jan; 43:192-7. doi: 10.1016/j.bbi.2014.08.001. [Epub 2014 Aug 12]. PubMed PMID: 25124709
8. **Simanek, A.M.**[†], Cheng, C., Yolken, R., Uddin, M., Galea, S., Aiello, A.E. (2014) Herpesviruses, inflammatory markers and incident depression in a longitudinal study of Detroit residents. *Psychoneuroendocrinology*. Dec; 50:139-48. doi: 10.1016/j.psyneuen.2014.08.002. [Epub 2014 Aug 19]. PubMed PMID: 25218654
7. Sansoni, P., Vescovini, R., Fagnoni, F.F., Akbar, A., Arens, R., Chiu, Y.L., Cičin-Šain, L., Dechanet-Merville, J., Derhovanessian, E., Ferrando-Martinez, S., Franceschi, C., Frasca, D., Fulöp, T., Furman, D., Gkrania-Klotsas, E., Goodrum, F., Grubeck-Loebenstien, B., Hurme, M., Kern, F., Lilleri, D., López-Botet, M., Maier, A.B., Marandu, T.,

Marchant, A., Matheï, C., Moss, P., Muntasell, A., Remmerswaal, E.B., Riddell, N.E., Rothe, K., Sauce, D., Shin, E.C., **Simanek A.M.**, Smithey, M.J., Söderberg-Nauclér, C., Solana, R., Thomas, P.G., van Lier, R., Pawelec, G., Nikolich-Zugich, J. (2014) New advances in CMV and immunosenescence. *Experimental Gerontology*. Jul; 55:54-62. doi: 10.1016/j.exger.2014.03.020. [Epub 2014 Apr 3]. PubMed PMID: 24703889

6. Tarter, K.D.*, **Simanek, A.M.**†, Dowd, J.B., Aiello, A.E. (2014) Persistent viral pathogens and cognitive impairment across the life course in the third national health and nutrition examination survey. *Journal of Infectious Diseases*. Mar; 209 (6):837-44. doi: 10.1093/infdis/jit616. [Epub 2013 Nov 18] (Accompanying Letter to the Editor).

5. **Simanek, A.M.**, Dowd, J.B., Pawelec, G., Melzer, D., Dutta, A. Aiello, A.E. (2011) Seropositivity to Cytomegalovirus, Inflammation, and All-Cause/Cardiovascular Disease-Related Mortality in the U.S. *PloS One*. Feb 17; 6 (2): e16103. doi: 10.1371/journal.pone.0016103. PubMed PMID: 21379581 (Accompanying Letter to the Editor).

4. Aiello A.E., **Simanek A.M.**, Galea S. (2010) Population Levels of Psychological Stress, Herpesvirus Reactivation and HIV. *AIDS Behav*. Apr; 14 (2): 308-17. doi: 10.1007/s10461-008-9358-4 [Epub 2008 Feb 9]. PubMed PMID: 18264753

3. Dowd, J.B., **Simanek, A.M.**, Aiello, A.E. (2009) Socio-economic Status, Cortisol and Allostatic Load: a Review of the Literature. *International Journal of Epidemiology*. Oct; 38 (5): 1297-309. doi: 10.1093/ije/dyp277. [Epub 2009 Aug 31]. PubMed PMID: 18264753

2. **Simanek, A.M.**, Dowd, J.B., Aiello, A.E. (2009) Persistent Pathogens Linking Socioeconomic Position and Cardiovascular Disease in the US. *International Journal of Epidemiology*. Jun; 38 (3): 775-87. doi: 10.1093/ije/dyn273 [Epub 2008 Dec 24]. PubMed PMID: 19109247 (Accompanying Commentary).

1. Aiello, A.E., Haan, M.N., Pierce, C.M., **Simanek, A.M.**, Liang, J. (2008) Persistent Infection, Inflammation and Functional Impairment in Older Latinos. *Journal of Gerontology Series A Biologic Science and Medical Sciences*. Jun; 63 (6): 610-8. doi: 10.1093/gerona/63.6.610. PubMed PMID: 18559636

Editorials/Commentaries

4. **Simanek, A.M.** Opinion: There is a Critical Need for Science-based, Nonpartisan Information about the Pandemic (2020) *Milwaukee Journal Sentinel*. September 10th; <https://www.jsonline.com/in-depth/news/solutions/2020/09/10/we-need-science-based-information-coronavirus-pandemic/5751732002/> (Invited).

3. **Simanek, A.M.** What is the United States' single greatest weakness in its pandemic preparedness? (2020) *Healio*, March 24th; <https://www.healio.com/primary-care/practice-management/news/online/%7B69052c90-b291-4ed6-b79f-49fe0446001a%7D/what-is-the-united-states-single-greatest-weakness-in-its-pandemic-preparedness> (Invited).

2. **Simanek, A.M.**†, Tarter, K.D.*, Dowd, J.B., Aiello, A.E. (2014) Reply to Mendy. *Journal of Infectious Diseases*. Mar 24. (Epub 2014 Feb 6).

1. Aiello, A.E. and **Simanek, A.M.** (2012) CMV and Immunological Aging: The Real Driver of HIV and Heart Disease? *Journal of Infectious Diseases*. 205(12):1772-4. (Epub 2012 Apr 5). (Invited Editorial)

Book Chapters

1. Aiello, A.E., **Simanek, A.M.**, Stebbins, R.C., Dowd, J.B. Psychosocial Influences on Infectious Disease. Chapter in: Kivimäki, M. (Ed.), Batty, D. G. (Ed.), Kawachi, I. (Ed.), Steptoe, A. (Ed.). (2018). *The Routledge International Handbook of Psychosocial Epidemiology*. London: Routledge.

Under Review

Albrecht, S., Jones, M., Aronowitz, S., Dowd, J.B., Hale, L., Johnson-Laurence, V., Kumar, A., Leininger, L., Ritter, A.Z., **Simanek, A.M.**, Whelan, C., and Buttenheim, A. Lessons Learned from Dear Pandemic, a Social Media-based Science Communication Project Targeting the COVID-19 Infodemic. *Pan American Journal of Public Health*

Woo J.M.P.[‡], **Simanek, A.M.**, O'Brien, K., Parks, C., Gaston, S., Auer, P., Konkel, R.H., Jackson, C., Meier, H.C.S., Sandler, D.P. Early Life Trauma and Incident Breast Cancer. *Breast Cancer Research and Treatment*.

In progress

Simanek, A.M.[†], Park, G., Schluechtermann, S.*^{*}, Mukai, R., Torres, G., Sill, D. and Xu, Z. Area-Level Correlates of Vaccines for Children Program Eligibility, Spatial Access to Vaccine Services and Childhood Vaccine Series Completion Rates in Milwaukee, WI from 2015 to 2017.

Simanek, A.M.[†], Mansala, R., Meyer, K.*^{*}, Woo, J.[‡], Meier, H.C.S, Needham, B. and Auer, P. Prenatal Socioeconomic Disadvantage and Alterations to the Neonatal Epigenome Among Children in the Born in Bradford Cohort.

Simanek, A.M.[†], Woo, J.*^{*}, Xiong, M.*^{*}, Meyer, K.*^{*}, Meier, H.C.S, Jukic, A. and Aiello, A.E. Maternal Socioeconomic Disadvantage During Pregnancy and Inflammatory Response at Birth among a Michigan population-based cohort.

Simanek, A.M.[†], Xiong, M.*^{*}, and Meyer, K.*^{*} Role of Cytomegalovirus in Shaping Risk for Mortality in the General Population (Invited Review in *Reviews in Medical Virology*).

Simanek, A.M.[†], Xiong, M.*^{*}, Meyer, K.*^{*}, Woo, J.*^{*}, Meier, H.C.S. Maternal Socioeconomic Disadvantage and Adverse Birth Outcomes: An Update of the Literature and Review of Mediating Pathways.

Invited Talks

The Role of Prenatal Socioeconomic Disadvantage in Shaping Epigenetic Programming of Offspring Health: An Examination among Mothers and Babies in the Born in Bradford Cohort (2020) Institute of Epidemiology & Health Care, University College London, London, UK, February 28th.

Immunologic Pathways by which Socioeconomic Disparities in Health Develop Across the Lifecourse and are Transmitted Across Generations (2019) Clinical & Translational Science Seminar Series. Medical College of Wisconsin, Milwaukee, WI, November 7th.

Association between CMV and Mortality in the General Population. (2017) Symposium session: CMV: Pathogenicity Not Limited to Congenital and Transplant Infections. Annual Meeting of the Infectious Diseases Society of America (IDSA): IDWeek 2017. San Diego, CA, October 6th.

Social Patterning of Infection and Links Between Infectious and Chronic Disease. (2016) Social Epidemiology Research Panel, Department of Public Health Sciences, Division of Epidemiology & Population Health Sciences, University of Miami Miller School of Medicine, Miami, FL, March 10th.

Herpesviruses: A Novel Pathway Linking Socioeconomic Position, Cardiovascular Disease and Depression. (2015) Cardiovascular Disease Epidemiology Speaker Series, Department of Preventive Medicine, Northwestern University, Evanston, IL, November 13th.

Does Social Patterning of Persistent Pathogens Explain Social Disparities in Physical and Mental Health Across the Lifecourse and Across Generations? (2013) Population Health Sciences Seminar Series, University of Wisconsin, Madison, Population Health Institute, Madison, WI, December 9th.

Presentations

([†]Presenter or Co-presenter, *Current or former Master's advisee, [‡]Current or former dissertation committee advisee)

Simanek, A.M.[†], and Albrecht, S. (2021) @Dear Pandemic: A Social-Media Based COVID-19 Science Communication Campaign. Oral presentation at the National Library of Medicine Responding to the COVID-18 Infodemic: A Virtual Symposium. April 8th.

Jones, M., **Simanek, A.M.**[†], Albrecht, S. and Leininger, L. (2020) *Dear Pandemic: Nerdy Girls Curating Covid-19 Content for the Greater Good*. Hot Topic Session at the Annual Meeting of the Interdisciplinary Association of Population Health Science. September 30th-October 2nd (invited).

Simanek, A.M.[†], Mansala, R. Woo, J.P., Meyer, K., Meier, H.C.M., Needham, B. and Auer, P.L. (2020) Epigenetic Pathways Linking Prenatal Socioeconomic Disadvantage to Offspring Health: An Examination Among Mothers and Babies in the Born in Bradford Cohort. Oral Presentation by A.M. Simanek in the 'Stress Exposure and Health Across Lifecourse' session at the Annual Meeting of the Interdisciplinary Association of Population Health Science. September 30th-October 2nd.

Simanek, A.M.[†], Park, G., Schluechtermann, S.*, Hagy, A., Sill, D. and Xu, Z. (2019) Area-Level Socioeconomic Disadvantage, Vaccines for Children Eligibility, Spatial Access to Vaccine Services and Vaccine Series Completion Rates Among Children Two Years of Age in the City of Milwaukee from 2015-2017. Poster presentation by A.M. Simanek at the Annual Meeting of the American Public Health Association. Philadelphia, PA, November 2nd-6th.

Moss, L.*, Perzan, M.*, **Simanek, A.M.** (2019) Socioeconomic Status and Hepatitis Infections: Mediation by Risk Behaviors and Modification by Social Support. Poster presentation by L. Moss and M. Perzan at the Annual Meeting of the Wisconsin Public Health Association. Wisconsin Dells, WI. May 21st-23rd.

McAtee, C.*, Tynczuk, N.*, Meier, H.C.S., **Simanek, A.M.** (2019) Opioid use in Wauwatosa, Wisconsin: A spatial analysis of opioid-related issues and demographic determinants, 2015-2018. Poster presentation by C. McAtee and N. Tynczuk at the Annual Meeting of the Wisconsin Public Health Association. Wisconsin Dells, WI. May 21st-23rd.

Simanek, A.M.[†], Meier, H.C.M., D' Alioso, A.A., Sandler, D.P. (2018) Lifecourse Subjective and Objective Socioeconomic Disadvantage in Childhood and Incident Depression in Adulthood Among Middle- to Older-Aged Women in the Sister Study. Poster presentation by A.M. Simanek at the 4th Annual Meeting of the Interdisciplinary Association of Population Health Science. Washington, DC. October 3rd-5th.

Simanek, A.M.[†], Meier, H.C.M., D' Alioso, A.A., Sandler, D.P. (2018) Lifecourse Subjective and Objective Socioeconomic Disadvantage in Childhood and Incident Depression in Adulthood Among Middle- to Older-Aged Women in the Sister Study. Poster presentation at the 51st Annual Meeting of the Society for Epidemiologic Research. Baltimore, MD. June 19th-22nd.

King, A.[‡], Johnson, N., Garnier, M., **Simanek, A.M.**, Haglund, K. (2018) Understanding Relationships Between Toxic Stress, Childhood Socioeconomic Disadvantage & Allostatic Load in Adolescence. 4th Annual Research Conference of the Midwest Nursing Research Society. Cleveland, OH. April 12th-15th.

Burgess, A.[‡], Johnson, T., **Simanek, A.M.**, Ball, T., Founds, S.F. (2018) Maternal ABO Blood Phenotype and Preeclampsia Subtype. Paper presentation at the 30th Annual Scientific Sessions of the Eastern Nursing Research Society. Newark, NJ. April 11th-13th.

Meier, H.S., Haan, M.N., Mendes de Leon, C.F., **Simanek, A.M.**, Dowd, J.B., Aiello, A. E. (2017) Time Since US Immigration and Immune response to Persistent Infection in Later Life. Poster presentation at the 50th Annual Meeting of the Society for Epidemiologic Research, Seattle, WA, June 20th-23rd.

Steinmetz, C.* and **Simanek, A.M.**[†] (2017) The Impact of Religiosity on Flourishing Across Income Levels Among U.S. Adults in the MIDUS Study. Poster Presentation at the Annual Meeting of the Wisconsin Public Health Association and the Wisconsin Association of Local Health Departments and Boards, Wisconsin Dells, WI, May 23rd-25th.

Schluechtermann, S.*, Stanley, M. **Simanek, A.M.**[†] (2017) Area-Level Social Determinants of Childhood Vaccination Series Completion Rates In Milwaukee, WI. Poster Presentation at the Annual Meeting of the Wisconsin Public Health Association and the Wisconsin Association of Local Health Departments and Boards, Wisconsin Dells, WI, May 23rd-25th.

Simanek, A.M. †, Parry, A.*, Dowd, J.B. (2017) Association Between Persistent Pathogens and Mood Disorders Among Young- to Middle-Aged Adults in the US. Oral presentation, *Infectious Diseases: Past, Present and Emerging* session at the Annual Meeting of the Population Association of America, Chicago, IL, April 27th-29th.

Meier, H.S. ‡, Haan, M.N., Mendes de Leon, C.F., **Simanek, A.M.**, Dowd, J.B., Aiello, A. E. (2017) Nativity, Acculturation and Immune Response to Persistent Infection in Elderly Latinos. Poster presentation at the Annual Meeting of the Population Association of America, Chicago, IL, April 27th-29th.

Needham, B, Uddin, M., **Simanek, A.M.** †, Aiello, A.E., Feinstein, L. (2016) Novel Approaches for Bio-social Integration in Epidemiologic Studies. Symposium presentation at 4th Epidemiology Congress of the Americas, Miami, FL, June 21st-24th.

Feinstein, L., Douglas, C., Stebbins, R., Pawelec, G., **Simanek, A.M.**, Aiello, A.E. (2016) Does Cytomegalovirus Infection Contribute to Socioeconomic Disparities in All-Cause Mortality? Poster presentation at 4th Epidemiology Congress of the Americas, Miami, FL, June 21st-24th.

Parry, A.*, Kastner, M., **Simanek, A.M.** (2016) Elevated Depressive Symptoms Among Persons with HIV and Achievement of Viral Suppression. Poster presentation at the Annual Meeting of the Wisconsin Public Health Association and Wisconsin Association of Local Health Departments and Boards, Appleton, WI, May 24th-26th.

Simanek, A.M. †, Dowd, J.B., Yolken, R. (2015) Association Between Herpesviruses and Affective Disorders in Young to Middle-Aged U.S. Adults. Poster presentation at the 48th Annual Meeting of the Society for Epidemiologic Research. Denver, CO, June 16th-19th.

Meier, Helen C.S. ‡, Haan, M.N., Mendes de Leon, C.F. **Simanek, A.M.**, Dowd, J. B., Aiello, A.E. (2015) Early life socioeconomic status and immune response to persistent infections among elderly Latinos. Poster presentation at the 48th Annual Meeting of the Society for Epidemiologic Research. Denver, CO, June 16th-19th.

Feinstein, L., Harris, K., Zhou, X., **Simanek, A.M.**, Galea, S., Aiello, A.E. (2015) The association between substance use and immune response to persistent herpesvirus infections in the Detroit Neighborhood Health Study. Poster presentation at the 48th Annual Meeting of the Society for Epidemiologic Research. Denver, CO, June 16th-19th.

Simanek, A.M. †, Dowd, J.B., Feinstein, L., Aiello, A.E. (2014) Income Level, Cytomegalovirus and CD4 and CD8 T Cell Repertoire in Adults Living in Detroit. Poster presentation at the 67th Annual Meeting of the Gerontological Society of America. Washington, D.C., November 6th.

Aiello, A.E., **Simanek, A.M.**, Hanna, C., Dowd, J.B. (2014) Exploring the Role of CMV in Stress-related Alterations of the Aging Immune System. Oral presentation in symposium session, 'Cytomegalovirus and the Aging of the Immune System: A Multidisciplinary Perspective' at the 67th Annual Meeting of the Gerontological Society of America. Washington, D.C., November 5th.

Simanek, A.M. †, Haan, M., Chen, S., Cheng, C., Aiello, A. (2013) Persistent Pathogens and Incidence of Elevated Depressive Symptoms Among a Longitudinal Cohort of Elderly Latinos. Poster presentation at the 46th Annual Society for Epidemiologic Research Meeting. Boston, MA, June 18th-21st.

Aiello, A.E., Volz, E., **Simanek, A.M.**, Davis, B., Rees Clayton, E. Walsh, A.R., Tarter, K., Rainey, J., Gowda, C., Riley, M., Ohmit, S., Monto, A. (2013) A Social Network Intervention for Reducing Influenza-like Illness Transmission: The eX-FLU Cluster Randomized Trial. Poster presentation at the 46th Annual Society for Epidemiologic Research Meeting. Boston, MA, June 18th-21st.

Tarter, K.* , **Simanek, A.M.** †, Aiello, A.E. (2013) Persistent Viral Pathogens and Cognitive Impairment Across the Lifecourse. Poster presentation at the 68th Annual Scientific Meeting of the Society for Biological Psychiatry. San Francisco, CA, May 16th-18th.

Simanek, A.M. †, Meier, H., Dowd, J.B. and Aiello, A.E. (2013) Longitudinal Association Between Immune Response to Cytomegalovirus and Depression/Depressive Symptoms. Invited Speaker, 4th International Workshop on “CMV & Immunosenescence”, Parma, Italy, March 25th-27th.

Simanek, A.M. †, Dowd, J.B., Meier, H. and Aiello, A.E. (2012) Longitudinal Associations Between Immune Response Against Persistent Pathogens and Adverse Cognitive Function, Mental Health and Immunological Aging. Talk presented at the Annual Stanley Medical Research Institute Conference, Baltimore, MD, December 10th-12th.

Simanek, A.M. †, Galea, S., Uddin, M., Koenen, K. Spink, H., Dowd, J., Aiello, A.E. (2012) Immune Alterations to Infection and Risk of Onset of Depression in a Longitudinal Study. Poster presented at Society of Biological Psychiatry's 67th Annual Meeting, Philadelphia, PA, May 3rd-5th.

Simanek, A.M. †, Dowd, J.B., Zajacova, A., Aiello, A.E. (2011) Specific Combinations of Infections Rather Than Number of Infections Predicts Mortality in the U.S. Poster presented at the 3rd North American Congress of Epidemiology, Montreal, Quebec, June 21st-24th.

Hill, A.B., Nielson, C., Srikanth, P., **Simanek, A.M.**, Dowd, J.B., Aiello, A.E. (2010) Does Cytomegalovirus Deserve the Bad Rap? Talk presented at the 39th Annual Meeting of the American Aging Association, Portland, OR, June 4th-7th.

Simanek, A.M. †, Dowd, J.B., Aiello, A.E. (2010) The Association Between Vitamin D Deficiency, Folate Deficiency and Seropositivity to Persistent Pathogens among U.S. Children. Poster presented at the 14th International Congress on Infectious Diseases, Miami, FL, March 9th-12th.

Simanek, A.M. †, Dowd, J.B., Aiello, A.E. (2009) The Association Between Cytomegalovirus and Herpes Simplex Virus-1 Seropositivity, C-reactive Protein Level and Mortality in the U.S. Poster presented at the 42nd Annual Society for Epidemiologic Research Meeting, Anaheim, CA, June 23rd-26th.

Simanek, A.M. †, Dowd, J.B., Aiello, A.E. (2009) Cytomegalovirus and C-reactive protein in the Pathway Between Socioeconomic Position and Physical Impairment. Poster presented at the 4th Annual Biogerontology Symposium, Ann Arbor, MI, April 8th.

Dowd, J.B., Zajacova, A., **Simanek, A.M.**, Aiello, A.E. (2008) Persistent Infections and Mortality in Older Americans. Talk presented at the 61st Annual Scientific Meeting of The Gerontological Society of America, National Harbor, MD, November 22nd-24th.

Simanek, A.M. †, Dowd, J.B., Aiello, A.E. (2008) Persistent Pathogens Linking Socioeconomic Position and Physical Impairment. Talk presented at the 41st Annual Society for Epidemiologic Research Meeting, Spotlight Session: "Understanding the Social Causes of Health and Disease". Chicago, IL, June 24th-27th.

Aiello, A.E., Dowd, J.B., **Simanek, A.M.**, Roberts, E.T., Haan, M.N. (2008) Predicting Mortality from a Novel Biomarker of Immune Function. Poster presented at the 41st Annual Society for Epidemiologic Research Meeting, Chicago, IL, June 24th-27th.

Simanek, A.M. †, Dowd, J.B., Aiello, A.E. (2008) Persistent Pathogens Linking Socioeconomic Position and Cardiovascular Disease. Talk presented at the 7th annual Michigan Epidemiology Conference, Lansing, MI, April 4th.

Simanek, A.M. †, Solovič, I, Aiello, A.E. Wilson, M.L. (2007) Tuberculosis in the Roma Population of Slovakia. Poster presented at the Society for the Advancement of Chicanos and Native Americans Annual Conference, Kansas City, MO, October 16th.

Simanek, A.M., Westenhause, J, Flood, J. (2005) Implementation of a Sentinel Medical Event Surveillance System for Class A/B Notification Patients. Poster presented at the Annual American Thoracic Society Conference, San Diego, May 20th-25th.

Research Funding

Active

1R21MD012345-01A1 (PI: Simanek) 09/06/18-04/30/20 (no-cost extension until 4/29/2021)
NIH/NIMHD

Socioeconomic Disadvantage, Adverse Birth Outcomes and Fetal Programming of Inflammation

This study will examine whether maternal socioeconomic disadvantage at both the individual- and neighborhood-level experienced during pregnancy is associated with a pro-inflammatory phenotype in children at birth, assess the role that adverse birth outcomes including preterm or small for gestational age birth play in explaining this association and assess whether these relationships differ by offspring sex.

Under Review

NIH R01 (PI: Ukrantseva)

Leveraging Population-based Human Data to Uncover Mechanisms Connecting Alzheimer's Disease and Common Infections and Facilitate Vaccines Repurposing for AD Prevention

Submitted: March 2021

Status: Pending SRG Review

Role: Consultant

Pennsylvania Department of Health CURE non-Formula Funding (PI: Sznajder)

COVID-19: Maternal and Child Health Outcomes among Pregnant Women in Diverse Communities in Pennsylvania

Submitted: December 2020

Status: Pending Review

Role: External Community Advisory Board Member

NIH R01 (PI: Mkandawire-Valhmu)

Impact of the COVID-19 Pandemic on Help Seeking of American Indian and Black Women Experiencing Intimate Partner Violence

Submitted: 10/2020

Status: Pending Council Review

Role: Other Personnel

Completed

Intergenerational Impact of Maternal Psychosocial Stress on Offspring Health Outcomes as Mediated by Maternal Immune Response to Persistent Pathogens in Pregnancy (PI: Simanek) 12/01/12 – 04/01/14

Michigan Bloodspot Environmental Epidemiology Project (MI-BLEEP)

The overall purpose of this project is to study the association between maternal psychosocial stress during pregnancy, *in utero* exposure to maternal immune activation against latent herpesviruses and offspring anxiety disorders in childhood.

Past

NIH RFA MD-11-003 (PI: Diez Roux) Subgrant (PI: Aiello) 09/01/12 – 08/31/16

Center for Integrative Approaches to Health Disparities, P60 MD 002249

Project 3: Generational sociocultural determinants of Latino cardiometabolic health

This study assessed whether generational changes in socioeconomic position and acculturation influence cardiovascular and metabolic measures of health among middle aged Latinos. **Role:** Assistant Research Scientist

R01DK087864-01 (PI: Aiello)

05/01/12 – 04/30/16

NIH/NIDDK

Life Course Socioeconomics, Acculturation, & Type-2 Diabetes Risk Among Latinos

The proposed study assessed the impact of life course socioeconomic position and acculturation on type-2 diabetes and examine potential biological mediators, including inflammation, among two generations of US Latinos. The findings from this study will have important public health implications, including identification of critical risk factors and biological mechanisms mediating the effects of life course sociocultural contexts on type-2 diabetes across generations of US Latinos.

Role: Assistant Research Scientist

R01AG040115-01 (PI: Aiello)

04/15/12 - 03/31/15

NIH/NIA

Infectious Links Between Psychosocial Stress and Aging

This study will increase our understanding of how psychosocial stress accelerates the aging process. We propose to bring together research on two pathways that have been linked to both socioeconomic status and psychosocial stress: the role of latent pathogens in age-related immunosenescence and the role of telomere shortening in cellular aging. Identifying associations and interactions between psychosocial stress, immune function, and telomere length could lead to novel areas of prevention and intervention in chronic diseases of aging.

Role: Assistant Research Scientist

R01DA022720-05 (PI: Aiello)

09/01/07 - 08/31/14

NIH/NIDA

Ecological stressors, PTSD, and drug use in Detroit

The overall purpose of this project was to study the pathways linking ecologic stressors to Longterm health. This project primarily aims to disentangle the contribution of stressors at Multiple levels to the etiology of PTSD and drug abuse/dependence and how these stressors shape the relationship between these pathologies. Secondly, we propose to consider the consequences of PTSD in the context of ecologic stressors, particularly the relation between PTSD and immune and inflammatory function, and how these consequences are shaped by exposure to ecologic stressors.

Role: Assistant Research Scientist

U01CK000185 (PI: Aiello)

09/01/11 - 08/31/13

CDC

A Randomized Study of Exclusion Criteria in a University Population

The proposed study will assess the impact of varying isolation periods on risk of influenza in residence halls on the campus of University of Michigan. The findings from this study will have important public health implications, including identification of critical periods of illness transmission that may account for outbreaks in the school setting. The results of these studies may be used for setting specific national mitigation strategies where social distancing is a major component.

Role: Research Area Specialist Senior

R21 (PI: Dowd)

09/22/08 - 06/30/10

NIH

Under the Skin: Understanding the Role of Stress and Immune Function in Health Disparities

The goal of this grant is to advance current research on the potential role of stress, infections, and immunity as mediators in the pathway between socioeconomic position and health.

Role: Research Assistant

Selected Media Engagements

Those Nerdy Girls of *Dear Pandemic* (2021) Sick Individuals/Sick Populations: An IAPHS Podcast by Aresha Martinez-Cardoso, Darrell Hudson, and Michael Esposito for the Interdisciplinary Association for Population Health Science, April 15th; <https://sickindividualssickpopulations.blubbry.net/2021/04/15/19-these-nerdy-girls/>

Year of COVID-19: Explore the Past and Future of Wisconsin (2021) by Maddie Burakoff for *Spectrum News 1*, March 11th; <https://spectrumnews1.com/wi/milwaukee/news/2021/03/06/a-year-of-covid-19-in-wisconsin>.

Life After Vaccination (2021) by Colleen Leahy for *Wisconsin Public Radio Central Time*, March 9th; <https://www.wpr.org/life-after-vaccination>.

A social approach to fighting COVID-19 misinformation (2021) by Laura Otto for *UWM Research Magazine*, March 12th; <https://uwm.edu/news/a-social-approach-to-fighting-wrong-covid-19-information/>.

'Dear Pandemic:' Local researchers commit to COVID-19 facts (2021) by Kasey Chronis for *Fox 6 News*, January 6th; <https://www.fox6now.com/news/dear-pandemic-local-researchers-commit-to-covid-19-facts>.

Wisconsin's COVID-19 Holiday Outlook (2020) by Natalie Guyette for *Wisconsin Public Radio Central Time*, December 23rd; <https://www.wpr.org/wisconsins-covid-19-holiday-outlook>.

What you need to know if you're getting tested for COVID-19 before seeing family (2020) by Lauren Aratani for *The Guardian*, November 29th; <https://www.theguardian.com/world/2020/nov/29/getting-tested-for-covid-19-need-to-know>.

Students going home for Thanksgiving could bring COVID with them (2020) by Lauren Aratani for *The Guardian*, November 24th; <https://www.theguardian.com/world/2020/nov/24/students-thanksgiving-could-bring-covid-with-them>.

Cities, States, Impose New Restrictions Amid COVID Surge (2020) by Joy Reid for *The ReidOut* on MSNBC, November 24th; <https://twitter.com/thereidout/status/1331398464979296256>.

As COVID-19 Cases Rise, Gov. Evers Urges State Residents To Stay Home (2020) by J. Carlisle Larsen for *Wisconsin Public Radio Central Time*, November 11th; <https://www.wpr.org/covid-19-cases-rise-gov-evers-urges-state-residents-stay-home>.

Dear Pandemic, Wisconsin is Not Fine (2020) by Ali Muldrow for *WORT 89.9 FM*. November 11th; <https://www.wortfm.org/dear-pandemic-wisconsin-is-not-fine/>.

Newsmakers: Malia Jones & Amanda Simanek of *Dear Pandemic* (2020) by Steve Walters for *WisconsinEye*. November 11th; <https://wiseye.org/podcast/newsmakers-malia-jones-amanda-simanek-of-dear-pandemic/>.

'Infodemic; complicates Wisconsin's public health fight against coronavirus (2020) by Will Cushman, *Wisconsin Watch for TMJ-TV Milwaukee*. November 5th; <https://www.tmj4.com/news/coronavirus/infodemic-complicates-wisconsins-public-health-fight-against-coronavirus>.

Teens, Politics, and Fatigue: Why Midwest COVID Cases Have Surged (2020) by Maddie Burakoff, Adam K. Raymond and Pete Grieve for *Spectrum News 1*, October 30th; <https://spectrumnews1.com/ky/lexington/news/2020/10/30/midwest-covid-19-surge-explained>.

U.S. Coronavirus Cases Surpass 9 Million with No End in Sight (2020) by Mitch Smith, Simon Romero and Giulia McDonnell Nieto del Rio for *The New York Times*. October 29th; <https://www.nytimes.com/2020/10/29/us/coronavirus-nine-million-cases.html>.

Celebrating Safely: How to Handle The Holidays During a Pandemic (2020) by Becca Schimmel for *WUWM* 89.7, October 27th; <https://www.wuwm.com/podcast/lake-effect-segments/2020-10-27/celebrating-safely-how-to-handle-the-holidays-during-a-pandemic>.

UWM faculty member delivers myth-busting advice through ‘Dear Pandemic’ (2020) by Laura Otto for *UWM Report*. October 26; <https://uwm.edu/news/uwm-faculty-member-delivers-myth-busting-advice-through-dear-pandemic/>.

How pandemic fatigue and polarization led to Wisconsin’s massive COVID-19 outbreak (2020) by German Lopez for *Vox*. October 23; <https://www.vox.com/future-perfect/21523259/wisconsin-covid-coronavirus-cases-tony-evers-trump-democrats-republicans>.

COVID-19 Misinformation and the Paranoid Style in Wisconsin’s Pandemic Politics (2020) by Will Cushman for *WisCONTEXT*. October 22; <https://www.wiscontext.org/covid-19-misinformation-and-paranoid-style-wisconsins-pandemic-politics>.

Should you cancel Thanksgiving? What Fauci and other experts say about celebrating during COVID (2020) by Kashmira Gander for *Newsweek*. October 22; <https://www.newsweek.com/cancel-thanksgiving-fauci-experts-covid-1540249>.

Coronavirus: Latest Information on Protecting Against the Pandemic (2020) by Rob Ferret for *Wisconsin Public Radio Central Time*. October 13th; <https://www.wpr.org/coronavirus-latest-information-protecting-against-pandemic>.

Wisconsin Records Second Highest Daily COVID-19 Count (2020) by Rob Ferret for *Wisconsin Public Radio Central Time*. September 25th; <https://www.wpr.org/wisconsin-records-second-highest-daily-covid-19-count>.

U.S. New Coronavirus Cases Edge Lower (2020) by Jen Calfas for *The Wall Street Journal*, September 24th; <https://www.wsj.com/articles/coronavirus-latest-news-09-24-2020-11600936005?mod=searchresults&page=1&pos=1>.

Why Wisconsin's State And Local Coronavirus Updates Differ Day To Day: The Timing Of COVID-19 Pandemic Reporting By Health Departments Highlights The Importance Of Trends Compared To Single-Day Numbers (2020) by Will Cushman for *WisCONTEXT*, September 17th; <https://www.wiscontext.org/why-wisconsins-state-and-local-coronavirus-updates-differ-day-day>.

Masks 101: How to Choose and Care for Them (2020) by Judith Seirs-Poisson for *Wisconsin Public Radio Central Time*, September 7th; <https://www.wpr.org/listen/1691566>.

What Experts Say About How to Interpret COVID-19 Data Like Positive Cases, Deaths and Hospitalizations-and What to Avoid (2020) by Daphne Chen for *Milwaukee Journal Sentinel*, August 17th; <https://www.jsonline.com/story/news/2020/08/17/what-wisconsin-covid-19-data-deaths-cases-hospitalizations-means/3301480001/>.

Wisconsin’s COVID-19 Death Toll Passes 1,000. Here’s a Look at Who is Dying, and How the Rate Compares to Other Leading Causes of Death (2020) by Matt Piper, Dana Brandt and Daphne Chen for *Milwaukee Journal Sentinel*, August 11th; <https://www.jsonline.com/story/news/2020/08/11/wisconsin-coronavirus-more-than-1-000-died-total-covid-19-724-new-cases/3344332001/>.

NBC Global Hangout: Ask the Experts (2020) by Caroline Modarressy-Tehrani for *NBC News*, August 7th; https://m.facebook.com/story.php?story_fbid=774054246672581&id=155869377766434.

Is a face shield alone enough protection from COVID-19? Does my blood type matter to COVID-19? Experts answer pandemic questions (2020) by John Diedrich for *Milwaukee Journal Sentinel*, July 24th; <https://www.jsonline.com/story/news/2020/07/24/experts-answer-questions-covid-19-mask-wearing-and-quarantine/5489906002/>.

The Latest On Coronavirus In Wisconsin by Bill Martens for *Wisconsin Public Radio Central Time*; July 7th, 2020: <https://www.wpr.org/latest-coronavirus-wisconsin>.

How can I get my child to wear a mask? If I'm sick with COVID, how long do I need to quarantine? Experts answer your questions (2020) by John Diedrich for *Milwaukee Journal Sentinel*, July 6th; <https://www.jsonline.com/story/news/2020/07/06/experts-answer-questions-covid-19-mask-wearing-and-quarantine-milwaukee-wisconsin/5356695002/>.

Coronavirus: Tracking Your Contacts is Good, Limiting Your Social Circle is Better (2020) by Olivia Richardson for WUWM 89.7, July 3rd; <https://www.wuwm.com/health-science/2020-07-03/coronavirus-tracking-your-contacts-is-good-limiting-your-social-circle-is-better#stream/0>.

What We Know About Herd Immunity and Coronavirus (2020) by Madeline Burakoff for *Spectrum News 1*, July 1st; <https://spectrumnews1.com/wi/milwaukee/news/2020/07/01/understanding-herd-immunity-and-covid-19>.

Small parties aren't necessarily safe, and other things to know about celebrating July Fourth during a pandemic (2020) by Asha Prihar for *Milwaukee Journal Sentinel*, July 1st; <https://www.jsonline.com/story/news/2020/07/01/july-4th-and-coronavirus-how-stay-safe-parades-house-parties/3281068001/>.

Pence to Visit Waukesha County Amid COVID-10 Concerns (2020) by Chuck Quirnbach for WUWM 89.7 FM, June 23rd; https://www.wuwm.com/post/pence-visit-waukesha-county-amid-covid-19-concerns?fbclid=IwAR0uW15YMkaAj9_u5sqveddvmcnNwOEp1_0r1dLxEo2Syb2zzPdV2dAvS2U#stream/0.

WHO Announces Biggest Single Day Rise in COVID-19 Cases Globally (2020) by Kashmiri Gander for *Newsweek*, June 22nd; <https://www.newsweek.com/who-biggest-single-day-rise-covid-19-cases-globally-1512437>.

Can I fly safely? How can we have a wedding? COVID-19 questions answered by Wisconsin health experts (2020) by John Diedrich for *Milwaukee Journal Sentinel*, June 19th; <https://www.jsonline.com/story/news/2020/06/19/how-fly-safely-can-have-wedding-covid-19-questions-answered/3221743001/>.

Going to the movies this weekend? Here are some tips on staying safe, minimizing risks (2020) by Jordan Nutting for *Milwaukee Journal Sentinel*, June 18th; https://www.jsonline.com/story/news/2020/06/18/ready-take-big-step-back-into-movie-theater-heres-how/3191087001/?utm_campaign=snd-autopilot.

What 10 Public Health Experts Want You to Know About Protesting in the Middle of a Pandemic (2020) by Carolyn L. Todd for *Self*, June 18th; <https://www.self.com/story/public-health-experts-on-protests>.

Going to the movies this weekend? Here are some tips on staying safe, minimizing risks (2020) by Jordan Nutting for *Milwaukee Journal Sentinel*, June 18th; https://www.jsonline.com/story/news/2020/06/18/ready-take-big-step-back-into-movie-theater-heres-how/3191087001/?utm_campaign=snd-autopilot.

Coronavirus Deaths Set to Spike in Coming Weeks Following Surge in Post-lockdown Cases, Experts Warn (2020) by Kashmiri Gander for *Newsweek*, June 15th; <https://www.newsweek.com/coronavirus-death-spike-lockdown-cases-rise-1510869>.

Detecting COVID-19 Deaths in Wisconsin: Why A New Disease and Fast-Changing Pandemic Make Determining Fatalities A Moving Target (2020) by Will Cushman for *WisCONTEXT*, June 12th; <https://www.wiscontext.org/detecting-covid-19-deaths-wisconsin>.

Protests Defy Coronavirus Guidelines, but Health Experts say Engagement is 'Essential.' Here's How Protesters and Police Can Reduce Risk (2020) by Madeline Heim for *Post Crescent*, June 4th; <https://amp.postcrescent.com/amp/5307485002>.

1 in 5 Immigrants at ICE Detention in Houston Had COVID-19 (2020) by Olivia P. Tallet for *Houston Chronicle*, June 3rd; <https://www.houstonchronicle.com/news/houston-texas/houston/article/1-in-5-immigrants-at-ICE-detention-in-Houston-has-15314849>.

Fears Over Surge in Virus Cases Grow Amid Floyd Protests (2020) by Alexandra Jones for *Courthouse News*, June 1st; <https://www.courthousenews.com/fears-over-surge-in-virus-cases-grow-amid-floyd-protests/?amp>.

How to have a safe memorial day weekend amid COVID-19 (2020) by Rob Ferret for *Wisconsin Public Radio Central Time*, May 22nd; <https://www.wpr.org/how-have-safe-memorial-day-weekend-amid-covid-19>.

‘Once N95 masks are available, should I wear one?’ and other coronavirus questions answered by Wisconsin health experts (2020) by John Diedrich for *Milwaukee Journal Sentinel*, May 22nd; https://www.jsonline.com/story/news/2020/05/22/newly-open-wisconsin-here-what-experts-suggest-avoid-covid/5238678002/?utm_campaign=snd-autopilot.

How coronavirus lockdowns stopped flu in its tracks (2020) by Nicola Jones for *Nature*, May 21st; <https://www.nature.com/articles/d41586-020-01538-8>.

What Wisconsin’s Shifting COVID-19 Numbers Show As Testing Broadens (2020) by Will Cushman for *WisCONTEXT*, May 5th; <https://www.wiscontext.org/what-wisconsins-shifting-covid-19-numbers-show-testing-broadens>.

Why COVID-19 is affecting Milwaukee the way it is (2020) by Tom Luljack for *WUWM 89.7 FM*, April 30th; <https://www.wuwm.com/post/uwm-professors-discuss-why-covid-19-affecting-milwaukee-way-it#stream/0> (with Dr. Mustafa Hussein and Dr. Lorraine Halinka Malcoe).

As Least 23 Coronavirus Cases Linked to In-person Voting (2020) by Jean-Gabriel Fernandez for *Shepherd Express*, April 27th; <https://shepherdexpress.com/news/features/at-least-23-coronavirus-cases-linked-to-in-person-voting/#/questions/>.

Coronavirus could be here ‘permanently’, says top advisor to U.K. Government (2020) by Kashmiria Gardner for *Newsweek*, April 23rd; <https://www.newsweek.com/coronavirus-could-here-permanently-says-top-adviser-uk-government-1499662>.

Wisconsin sees jump in coronavirus cases as golf courses plan to open and some local leaders map out how to ease restrictions (2020) by John Diedrich for *Milwaukee Journal Sentinel*, April 22nd; <https://www.jsonline.com/story/news/2020/04/22/wisconsin-cases-spike-golf-courses-reopen-madison-protests-planned/3007192001/>.

Computer modeling shows social distancing might be needed into 2022 to avoid coronavirus Resurgence (2020) by Mark Johnson for *Milwaukee Journal Sentinel*, April 14th; <https://www.jsonline.com/story/news/2020/04/14/coronavirus-without-vaccine-distancing-might-necessary-into-2022/2991428001/>.

Those ‘optimistic’ coronavirus numbers expect you to keep hardcore social distancing (2020) by Mark Kaufmann for *Mashable*, April 10th; <https://mashable.com/article/coronavirus-projection-models-deaths/>.

After Chaotic Back-and-Forth, Wisconsin Voters Head to Polls (2020) by Joe Kelly for *Courthouse News*, April 7th; <https://www.courthousenews.com/after-chaotic-back-and-forth-wisconsin-voters-head-to-polls/>.

How Scientists Predict How Many People Will Get COVID-19 (2020) by Lexi Krupp for *Medscape*, April 1st; <https://www.medscape.com/viewarticle/927949>.

We Made So Much Progress On Plastic Bags. Coronavirus Could Undo It All (2020) by Amy Crawford for *HuffPost*, March 27th; https://www.huffpost.com/entry/single-use-plastic-bags-coronavirus_n_5e7dc718c5b6256a7a286cfb.

The most important thing to know about social distancing (2020) by Mark Kaufman for *Mashable*, March 24th; <https://mashable.com/article/coronavirus-social-distancing-how-long/>.

Disease experts weigh in on crowded partying on Florida beaches (2020) by Mark Kaufman for *Mashable*, March 18; <https://mashable.com/article/coronavirus-clearwater-beach-florida-social-distancing/>.

Will Trump's Europe travel restrictions work to control coronavirus in the U.S.? Likely Not, Experts Say (2020) by Ramsey Touchberry for *Newsweek*, March 12; <https://www.newsweek.com/will-trumps-europe-travel-restrictions-work-control-coronavirus-us-likely-not-experts-say-1492052>.

Why flu season spikes in the fall and winter (2019) by Jennifer Larson for *Insider Health*, November 15th; <https://www.insider.com/when-is-flu-season>

How infections can affect mental health (2019) by David Lewellen for the *UWM Research Magazine*, February 21; <https://uwm.edu/news/how-persistent-pathogens-can-affect-mental-health/>

Interdisciplinary Association for Population Health Science member of the month (2019) by Anjum Hajat and Hedy Lee, February 4; <https://iaphs.org/member-month-amanda-simanek/>

Why are babies born into poverty more likely to develop chronic disease? (2018) By Laura Otto for *UWM Report*. October 2; <https://uwm.edu/news/why-are-babies-born-into-poverty-more-likely-to-develop-chronic-disease-uwm/>

Exploring the Link Between Persistent Infection, Inflammation, and Mood Disorders (2018) by Tori Rodriguez for *Psychiatry Advisor*. May 25; <https://www.psychiatryadvisor.com/bipolar-advisor/mood-disorder-and-acute-infections-linked/article/767877/>

Herpes viruses associated with cognitive impairment (2013) by Laurel Thomas for *Michigan News*, December 5; <https://news.umich.edu/herpes-viruses-associated-with-cognitive-impairment/>

Deadly flu season hits United States hard (2013) by Michelle Gillingham for *The Michigan Daily*, January 16; <https://www.michigandaily.com/article/01flupocalypse-hits-university17>

Teaching

University of Wisconsin-Milwaukee

Spring 2021	PH 800: Capstone in Public Health (Co-instructor, Enrollment: 27)
Fall 2020	PH 801: Seminar in Public Health Research (Guest Lecturer)
Fall 2020	PH 758: Social Epidemiology (Lead Instructor, Enrollment: 18)
Spring 2019	PH 868: Epidemiologic Links Between Infectious and Chronic Disease (Lead Instructor, Enrollment: 7)
Fall 2018	PH 758: Social Epidemiology (Lead Instructor, Enrollment: 12)
Fall 2018	PH 704: Principles and Methods of Epidemiology Co-Instructor, Enrollment: 40)
Spring 2018	PH 868: Epidemiologic Links Between Infectious and Chronic Disease (Lead Instructor, Enrollment: 4)
Fall 2017	PH 758: Social Epidemiology (Lead Instructor, Enrollment: 9)
Fall 2017	PH 704: Principles and Methods of Epidemiology Co-Instructor, Enrollment: 25)
Fall 2016	PH 758: Social Epidemiology (Lead Instructor, Enrollment: 14)
Fall 2016	PH 704: Principles and Methods of Epidemiology (Lead Instructor, Enrollment: 34)
Fall 2015	PH 758: Social Epidemiology (Lead Instructor, Enrollment: 5)
Fall 2015	PH 704: Principles and Methods of Epidemiology (Lead/Lab Instructor, Enrollment: 29)
Fall 2014	PH 704: Principles and Methods of Epidemiology (Lead Instructor, Enrollment: 31)
Fall 2014	PH 801: Seminar in Public Health Research (Guest Lecturer)
Spring 2015-17	KIN 410: Medical Aspects of Illness Management (Guest Lecturer)
Fall 2013	PH 762: Environmental Epidemiology (Guest Lecturer)

University of Wisconsin-Madison

Spring 2019, 20 622-911 Medical Sciences: Racial Health Disparities in Wisconsin (Guest Lecturer)

University of Michigan

Spring 2013 Epid 503: Strategies and Uses of Epidemiology (Guest Lecturer)

Fall 2012 Epid 514: Social Epidemiology (Lead Instructor)

Spring 2012 Epid 655: Field Methods in Epidemiology (Co-instructor)

Spring 2012-13 Epid 605: Infectious Disease Epidemiology (Guest lecturer)

Fall 2011 Epid 514: Social Epidemiology (Guest lecturer)

Spring 2010 Epid 503: Strategies and Uses of Epidemiology (Graduate Student Instructor)

Summer 2009 Epid 759: Introduction to SAS, 44th Summer Session in Epidemiology (Instructional Aide)

Advising

University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI

Dissertation Committee Chair

Spring 2021- Meng Xiong, *Longitudinal analysis of the role of neighborhood, parental and peer support on sexual risk behaviors and differences across race/ethnicity among adolescents in The National Longitudinal Study of Adolescent to Adult Health (AddHealth)*, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health

Dissertation Committee Member

Summer 2018- Jennifer Woo, *Lifecourse Health Effects of Early Life Trauma*, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health

Fall 2017-Spring 2018 Amanda King, *Understanding Relationships Between Toxic Stress, Childhood Socioeconomic Disadvantage & Allostatic Load in Adolescence*, Marquette University, College of Nursing

Summer 2015-Fall 2016 Adriane Burgess, *Maternal ABO Blood Phenotype and Factors Associated with Preeclampsia Subtype*, University of Wisconsin-Milwaukee, College of Nursing

Fall 2012-Fall 2014 Helen Meier, *The Role of Life Course Socioeconomic Status on Immune Response to Infection in Mexican Americans*, University of Michigan, School of Public Health, Ann Arbor, MI (Recipient of the 6th Annual Harburg Student Award for Excellence in Social Epidemiology)

Academic Advisor

PhD

Fall 2018- Meng Xiong (Epidemiology)

MPH

Fall 2020- Tanya Bohacheff (Epidemiology)
Jacob Greenberg (Epidemiology)
Claire Prieto (Epidemiology)
Shoua Vang (Epidemiology)

Fall 2020-Spring 20201 Matthew Bye (Epidemiology)

Fall 2018 Michael Gonzalez (Epidemiology)

Fall 2018-Spring 2019 Lydia Marcus (Epidemiology)

Spring 2018-Spring 2019 Mireille Perzan (Epidemiology)

Fall 2017-Spring 2019 Cali McAtee (Epidemiology)

Fall 2017-Fall 2018 Ashwini Nanjudappa (Epidemiology)

Fall 2016-Spring 2018 Carola Ferrer Simo (Epidemiology)

Fall 2015- Spring 2017 Sarahjean Schluetchermann (Epidemiology)
Cory Steinmetz (Epidemiology)

Spring 2015-Spring 2016 Amy Parry (Epidemiology)

Master's Fieldwork Advisor

Summer 2018 Cali McAtee (Aurora Walker's Point Clinic)
Mireille Perzan (Milwaukee Global Health Consortium)

Summer 2017 Carola Ferrer Simo (Wisconsin Department of Health Services)

Summer 2016 Sarahjean Schluetchermann (Milwaukee Health Department)
Cory Steinmetz (Center for Urban and Population Health)

Summer 2015 Amy Parry (AIDS Resource Center of Wisconsin)

Master's Capstone Advisor

Spring 2019 Mireille Perzan, *Home Ownership, Home Age and Elevated Blood Lead Levels among Children, NHANES 1999-2010* (Co-advised with Dr. Helen Meier)

Cali McAtee and Natasha Tynczuk, *Opioid use in Wauwatosa, Wisconsin: A spatial analysis of opioid-related issues and demographic determinants* (Co-advised with Dr. Helen Meier)

Spring 2018 Carola Ferrer Simo, *Severe Periodontitis as a Mediator Between Social Factors and Diabetes*

Spring 2017 Sarahjean Schluetchermann, *Area-Level Social Determinants of Childhood Vaccination Series Completion Rates In Milwaukee.*

Cory Steinmetz, *Socioeconomic Position, Religion, & Psychological Well-being Among US Adults in the MIDUS Study*

Spring 2016 Amy Parry, *Elevated Depressive Symptoms Among Persons with HIV and Achievement of Viral Suppression*

University of Michigan, School of Public Health, Ann Arbor, MI

Master's Thesis Advisor

- Spring 2013 Kara Tarter, *Persistent Viral Pathogens and Cognitive Impairment Across the Lifecourse* (Recipient of the 4th Annual Harburg Student Award for Excellence in Social Epidemiology)
- Alison Walsh, *The Impact of Ill Roommates on College Students' Hand Hygiene*
- Nancy Thome, *Chronic Infections and Obesity in Elderly Mexican Americans*

Service

- Winter 2021 **Adhoc Member**, Social Sciences and Population Study Section A, National Institutes of Health
- Fall 2020 **Grant Reviewer**, Health Effects Institute
- Fall 2020- **Chair**, Graduate Program Committee, Joseph J. Zilber School of Public Health, University of Wisconsin-Milwaukee, Milwaukee, WI
- Summer 2020 **Member**, UW System Plan Ahead Team, University of Wisconsin
- Spring 2020- **Member**, Epi Data Intel Team, Milwaukee County Unified Emergency Operations Center
- Spring 2020- **Featured COVID-19 Expert**, Media Services, University of Wisconsin-Milwaukee
- 2019- **Chair**, SER Joint Webinar Series Planning Committee
- 2019 **Travel Scholarship Reviewer**, Interdisciplinary Association for Population Health Science
- 2018- **Member**, Awards Committee, Interdisciplinary Association for Population Health Science
- 2018- **Adhoc Grant Reviewer**, HIV Neurobehavioral Research Center (P30 MH62512), University of California, San Diego
- 2018- **Adhoc Grant Reviewer**, National Heart, Lung and Blood Institute, National Institutes of Health
- 2018-2019 **Chair**, PhD Working Group, Joseph J. Zilber School of Public Health, University of Wisconsin-Milwaukee, Milwaukee, WI
- 2018-2019 **Member**, Graduate Program Committee, Joseph J. Zilber School of Public Health, University of Wisconsin-Milwaukee, Milwaukee, WI
- 2018- **Member**, STI Strategic Plan Working Group, Milwaukee, WI
- 2017-2019 **Co-Chair**, Advanced Opportunity Program Fellowship Committee, Graduate School, University of Wisconsin-Milwaukee, Milwaukee, WI
- Spring 2018 **Member**, Fellowship Subcommittee, Joseph J. Zilber School of Public Health, University of Wisconsin-Milwaukee, Milwaukee, WI
- 2017-2018 **Member**, Graduate Program Committee, Joseph J. Zilber School of Public Health, University of Wisconsin-Milwaukee, Milwaukee, WI
- 2017-2018 **Member**, PhD Coordinating Committee, Joseph J. Zilber School of Public Health, University of Wisconsin-Milwaukee, Milwaukee, WI

- Summer 2017 **Member**, Epidemiology PhD Admissions Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- Spring/Summer 2017 **Member**, Epidemiology MPH Admissions Committee, University of Wisconsin-Milwaukee, Joseph Zilber School of Public Health, Milwaukee, WI
- Spring 2017 **Member**, Advanced Opportunity Program Fellowship Review Committee, University of Wisconsin-Milwaukee
- Spring 2017 **Member**, Diversity Committee, Society for Epidemiologic Research
- Fall 2016-2016-2017 **Reviewer**, Clinical & Translational Science Institute (CTSI) Pilot Translational and Clinical Studies Program of Southeastern WI
- 2016-2017 **Member**, PhD Coordinating Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- 2016-2017 **Member**, Graduate Program Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- Spring/Summer 2016 **Member**, Epidemiology PhD Planning Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- Summer 2016 **Member**, Visiting Assistant Professor Search and Screen Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- Spring/Summer 2016 **Member**, Epidemiology Admissions Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- 2015-2016 **Member**, Epidemiology Curriculum Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- 2015-2016 **Member**, MPH Coordinating Committee University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- July 2015 **Lead**, Epidemiology Admissions Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- Spring/Summer 2015 **Member**, Epidemiology Admissions Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- 2014-2015 **Member**, Epidemiology Curriculum Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- 2014-2015 **Member**, MPH Coordinating Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- 2014-2015 **Organizer**, *On Public Health* Speaker Series, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- Spring/Summer 2014 **Member**, MPH Admissions Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI

- Spring 2014 **Chair**, Curriculum Development Coordinating Group, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- Spring 2014 **Co-Organizer**, *On Public Health* Speaker Series, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- 2013-2014 **Member**, Curriculum Development Coordinating Group, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- 2013- **Member**, Epidemiology Curriculum Committee, University of Wisconsin-Milwaukee, Joseph J. Zilber School of Public Health, Milwaukee, WI
- 2013- **SER Champion**, University of Wisconsin-Milwaukee, Milwaukee, WI
- 2013 **Reviewer**, Global Public Health Initiative Internship Funding, University of Michigan, School of Public Health, Global Public Health Program, Ann Arbor, MI
- 2013 **Poster Judge**, Annual Doctoral Day Poster Session, University of Michigan, School of Public Health, Ann Arbor, MI
- 2012-2013 **Doctoral Committee**, University of Michigan, School of Public Health, Department of Epidemiology, Ann Arbor, MI
- 2012 **Poster Judge**, Annual Poster Session in Epidemiology, University of Michigan, School of Public Health, Ann Arbor, MI
- 2012 **Grant Reviewer**, *Dunhill Medical Trust*, London, UK
- 2012 **Reviewer**, Annual Harburg Award in Social Epidemiology, University of Michigan, Department of Epidemiology, Center for Social Epidemiology and Population Health, Ann Arbor, MI
- 2011-13, 15 **Abstract Reviewer**, *Society for Epidemiologic Research*
17-19

Adhoc Reviewer *PloS One, Biological Psychiatry, BioMed Central Public Health, Future Microbiology, Journal of Urban Health, Herpesviridae, The Journal of Infectious Diseases, American Journal of Epidemiology, Annals of Behavioral Medicine, Psychosomatic Medicine, Emerging Infectious Diseases, Psychoneuroendocrinology, Health Education & Behavior, Medicine, Journal of Traumatic Stress, Journal of Medical Virology, Brain Behavior and Immunity, Psychiatry Research, Journal of the American Aging Association, Immunity & Aging, Journal of Affective Disorders, Social Science & Medicine, Clinical Microbiology and Infection, Development and Psychopathology, Psychological Medicine, International Journal for Vitamin and Nutrition Research, The Journals of Gerontology: Social Sciences, JAMA Pediatrics, International Journal of Environmental Research and Public Health, BMJ Open, Evolutionary Human Sciences, Neurotoxicity Research, Annals of Epidemiology, European Archives of Psychiatry and Clinical Neuroscience, Experimental Gerontology, Epigenetics, Acta Obstetrica et Gynecologica Scandinavica, Schizophrenia Research*