

Curriculum Vitae

KIMBERLY A. ROLLINGS, Ph.D.

Research Investigator | Social Environment and Health Program, Survey Research Center
University of Michigan Institute for Social Research
Email: kirollin@umich.edu | ORCID: 0000-0002-3091-3340

INTERESTS

Effects of built, natural, and social environments on physical and mental health

- Housing (including federally-assisted housing), neighborhood, and residential environments
- Vulnerable populations (e.g., low-income, older adults, children, formerly unhoused)
- Healthy housing and neighborhood design, healthcare, and health equity
- Mixed-methods assessment of built environment features and health across environmental scales
- Social-science based quantitative and qualitative research methods; geospatial mapping and analysis

EDUCATION

- 2008–2013 **Ph.D.** Human Behavior & Design, Environmental Psychology ([Dissertation](#))
 M.S. Applied Research in Human-Environment Relations ([Thesis](#))
 Cornell University, Department of Design & Environmental Analysis: Ithaca, New York
 Minors: City and Regional Planning, Community Nutrition, Marketing & Food Distribution
- 1998-2003 **B. Architecture** (*magna cum laude*)
 University of Notre Dame, School of Architecture (SoA): Notre Dame, Indiana
 School of Architecture Rome Studies Program: Rome, Italy (2000-2001)

ADDITIONAL TRAINING

- 2021-22 **Health & Design Research Fellow**
 Health & Healthcare Research Master's Program auditor
 University of Michigan Medicine/Institute for Healthcare Policy & Innovation: Ann Arbor, MI
- 2005-06 **Environmental Design Research PhD coursework**
 U. of Wisconsin-Milwaukee, School of Architecture and Urban Planning: Milwaukee, WI
- 2004-05 **Post-baccalaureate Psychology Program coursework and research**
 Columbia University: New York City, New York

ACADEMIC POSITIONS

- 2021-present **University of Michigan**, Ann Arbor, Michigan
- 2024-present **Research Investigator**, Social Environment and Health, Institute for Social Research
- 2021-2023 **Health & Design Research Fellow**, Medicine/Institute for Healthcare Policy & Innovation
- 2013-2021 **University of Notre Dame**: South Bend, Indiana
 Assistant Professor, School of Architecture
 Concurrent Assistant Professor, Department of Psychology (Fa 2016-Sp 2021)
- 2008-2013 **Cornell University**: Ithaca, New York
 Research Assistant (Fa 2010-Sp 2013)
 Teaching Assistant (2 undergrad, 3 undergrad/grad courses, Fa 2008-Sp 2010)
 Section Instructor (1 undergraduate course section, Sp 2009)

PROFESSIONAL POSITIONS

- 2007-2008 **Ferguson & Shamamian Architects, LLP:** New York, New York
Project Architect: High-end residential Designer; Education Committee Member
- 2004-2006 **Steven W. Semes, Architect:** New York City, New York (part-time)
Intern Architect: High-end residential Designer, Draftsperson, Renderer
- Su 2006 **University of Wisconsin-Milwaukee:** Milwaukee, Wisconsin
Web-Designer, School of Architecture Ph.D. Program website
- 2003-2004 **Mark P. Finlay Architects, A.I.A.:** Fairfield, Connecticut
Intern Architect: High-end residential Designer, Draftsperson
- Su 2001, 2002 **David M. Schwarz Architects:** Washington, D.C.
Intern Architect: Institutional/civic/residential Designer, Draftsperson, Model-builder

HONORS AND AWARDS

- 2021-2023 **Health & Design Research Fellow, University of Michigan** (salary + tuition):
Medicine/Institute for Healthcare Policy & Innovation
- 2020-2021 **Fellow, Training and Retaining Leaders in STEM (TRELIS)-Geospatial Sciences**
Professional development for women in academia (competitive)
- May 2019 **Educator of the Year:** School of Architecture, University of Notre Dame
- Nov 2018 **GIS Day Faculty Award** for GIS work: U. of Notre Dame GIS Day Organizing Committee
- May 2013 **Degree Marshall:** Cornell University Graduate School (1 of 2, academic excellence)

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES *=PhD student mentee

- R&R Bollo, C.S. & **Rollings, K.A.** (revise & resubmit). Permanent supportive housing residents' perceived value of Michigan's mandatory patios and balconies. *Housing & Society*.
- 2024 **Rollings, K.A.**, Noppert, G., Griggs, J.J., Ibrahim, A.M., Clarke, P.J. (2024). Comparing Deprivation vs Vulnerability Index Performance Using Medicare Beneficiary Surgical Outcomes. *JAMA Surgery*. doi: [10.1001/jamasurg.2024.4195](https://doi.org/10.1001/jamasurg.2024.4195)
- 2024 Myers, H.* & **Rollings, K.A.** (2024). Perceived effects of residential design on mental well-being: A quasi-experimental study of the University of Michigan's Munger Graduate Residences. *Journal of Environmental Psychology*. doi: [10.1016/j.jenvp.2024.102408](https://doi.org/10.1016/j.jenvp.2024.102408)
- 2024 Noppert, G.A., Clarke, P.C., Stebbins, R.C., Duchowny, K.A., Melendez, R., **Rollings, K.A.**, Aiello, A.E. (2024). The Embodiment of the Neighborhood Socioeconomic Environment in the Architecture of the Immune System. *PNAS Nexus*. doi: doi.org/10.1093/pnasnexus/pgae253
- 2024 **Rollings, K.A.**, Dannenberg, A., Frumkin, H., Jackson, R. (2024). Built environment and health: More than 20 years of Progress. *American Journal of Public Health*. doi: [10.2105/AJPH.2023.307451](https://doi.org/10.2105/AJPH.2023.307451)
- 2023 **Rollings, K.A.**, Noppert, G., Griggs, J., Melendez, R., & Clarke, P. (2023). Comparison of two area-level socioeconomic deprivation indices: Implications for public health practice and policy. *PLoS One*. doi: [10.1371/journal.pone.0292281](https://doi.org/10.1371/journal.pone.0292281)
- 2023 Ryus, C.R., Kunnath, N., Janke, A.T., Ibrahim, A.M., & **Rollings, K.A.** (2023). Association of coded housing instability and discharge against medical advice in the US. *Journal of General Internal Medicine*. doi: [10.1007/s11606-023-08240-1](https://doi.org/10.1007/s11606-023-08240-1)
- 2022 **Rollings, K.A.** & Kayongo, J. (2022). Assessing the use of spaces renovated to support group work in an academic library. *Journal of Learning Spaces*. <http://libjournal.uncg.edu/jls/article/view/2285>

- 2022 **Rollings, K.A.**, Kunnath, N., Ryus, C.R., Janke, A.T., & Ibrahim, A.M. (2022). Association of coded housing instability and hospitalization in the US. *JAMA Network Open*. doi: [10.1001/jamanetworkopen.2022.41951](https://doi.org/10.1001/jamanetworkopen.2022.41951)
- 2022 **Rollings, K.A.** (2022). Engaging US adults with serious mental illness in participatory design research exercises. *International Journal of Environmental Research and Public Health*, 19(11), 6743. doi: [10.3390/ijerph19116743](https://doi.org/10.3390/ijerph19116743)
- 2021 **Rollings, K.A.** & Bollo, C.S. (2021). Permanent supportive housing design characteristics associated with the mental health of formerly homeless adults in the U.S. and Canada: An integrative review. *International Journal of Environmental Research and Public Health* Special Issue: Innovations in Architecture for Mental Health, 18, 9588. doi: [10.3390/ijerph18189588](https://doi.org/10.3390/ijerph18189588)
- 2019 Wells, N.M., **Rollings, K.A.**, Ong, A.D., Reid, M.C. (2019). Nearby nature buffers the pain catastrophizing – pain intensity relation among urban residents with chronic pain. *Frontiers in Built Environment*, 5, 142. doi: [10.3389/fbuil.2019.00142](https://doi.org/10.3389/fbuil.2019.00142)
- 2019 **Rollings, K.A.** & Evans, G.W. (2019). Design moderators of residential interior crowding and chronic physiological stress among children. *Environment & Behavior*, 51(5), 590-621. doi: [10.1177/0013916518824631](https://doi.org/10.1177/0013916518824631)
- 2018 **Rollings, K.A.** & Wells, N.M. (2018). Cafeteria assessment for elementary schools (CAFES): Development, reliability testing, and predictive validity analysis. *BMC Public Health*, 18:1154. doi: [10.1186/s12889-018-6032-2](https://doi.org/10.1186/s12889-018-6032-2)
- 2017 Lipscomb, M. & **Rollings, K.A.** (2017). Outside In: Influences of indoor plants on psychological well-being and memory task performance in a workplace setting. *Perkins + Will Research Journal*, 9(2) 33-43. <https://perkinswill.com/research/outside-in>
- 2017 **Rollings, K.A.**, Wells, N.M., Evans, G.W., Bednarz, A.E., & Yang, Y.Y (2017). Housing and neighborhood physical quality: Children’s mental health and motivation. *Journal of Environmental Psychology*, 50, 17-23. doi: [10.1016/j.jenvp.2017.01.004](https://doi.org/10.1016/j.jenvp.2017.01.004)
- 2016 **Rollings, K.A.** & Wells, N.M. (2016). Effects of floor plan openness on eating behaviors. *Environment and Behavior*, 49(6), 663-684. doi: [10.1177/0013916516661822](https://doi.org/10.1177/0013916516661822)
- 2015 **Rollings, K.A.**, Wells, N.M., & Evans, G.W. (2015). Measuring physical neighborhood quality related to health. *Behavioral Sciences*, 5, 190-202. doi: [10.3390/bs5020190](https://doi.org/10.3390/bs5020190)
- 2013 Feathers, D.J., **Rollings, K.A.**, & Hedge, A. (2013). Alternative computer mouse designs: Performance, posture, and subjective evaluations for college aged students 18-25. *Work: A Journal of Prevention, Assessment, and Rehabilitation*. <https://content.iospress.com/articles/work/wor01487>
- 2007 Gorman, N., Lackney, J., **Rollings, K.A.** & Huang, T.-K. (2007). Designer Schools: The role of school space and architecture in obesity prevention. *Obesity*, 15, 11. doi: [10.1038/oby.2007.300](https://doi.org/10.1038/oby.2007.300)

In Preparation (Selected)

- Prep Doiphode, A., Brody, M. Crowley, A., Abebe, Z., **Rollings, K.**, & Schmidt, H. (in preparation) Uses of the Social Vulnerability Index outside of its intended purpose – A review of applications in the clinical context. *JAMA Network Open*.
- Prep **Rollings, K.A.**, Koeman, J.L, Asfaw, E., & Mehdipanah, R. (in preparation) Housing is healthcare: Understanding health systems’ efforts to address housing in Michigan.

BOOK-CHAPTERS

- 2012 Wells, N.M. & **Rollings, K.A.** (2012). The natural environment: Influences on human health and function. In Clayton, S. (Ed.). *The Oxford Handbook of Environmental and Conservation Psychology*. New York, NY: Oxford U. Press.
- 2010 Feathers, D.J., Hedge, A., & **Rollings, K.A.** (2010) Ergonomic assessment of pronating-reducing mouse designs: Anatomical compliance in three-dimensional space. In Khalid, H., Hedge, A. & Ahram, T.Z. (Eds.). *Advances in Ergonomics Modeling and Usability Evaluation*, Ch. 46, 426-435. Boca Raton: CRC Press.
- 2010 Hedge, A., Feathers, D.J., & **Rollings, K.A.** (2010) Ergonomic comparison of five mouse designs: Performance and posture differences. In Khalid, H., Hedge, A. and Ahram, T.Z. (Eds.) *Advances in Ergonomics Modeling and Usability Evaluation*, Ch. 47, 436-445. Boca Raton: CRC Press.

PEER-REVIEWED FULL CONFERENCE PAPERS & PRESENTATIONS (papers published in proceedings)

- 2016 **Rollings, K.A.** (2016a). Housing the chronically homeless: Opportunities and challenges of a community-based design studio. *Building for Health and Well-Being: 2016 Association of Collegiate Schools of Architecture (ACSA) and Association of Schools and Programs of Public Health (ASPPH) First Joint Conference*. Honolulu, HI.
- 2016 **Rollings, K.A.** (2016b). Converging pedagogies: Human health and sustainable design. *Building for Health and Well-Being: 2016 Association of Collegiate Schools of Architecture (ACSA) and Association of Schools and Programs of Public Health (ASPPH) First Joint Conference*. Honolulu, HI.
- 2016 **Rollings, K.A.** & Jackson, R.J. (2016). Creating constituencies for health and sustainability in post-industrial cities: lessons from South Bend, Indiana USA. *Proceedings of the 53rd International Making Cities Livable Conference*, Rome, Italy.
- 2010 Hedge, A., **Rollings, K.A.**, & Robinson, J. (2010) "Green" ergonomics: Advocating for the human element in buildings. *Proceedings of the Human Factors and Ergonomics Society 54th Annual Meeting*, San Francisco, CA, September 27-October 1, 693-697.
- 2010 Hedge, A., Feathers, D.J., & **Rollings, K.A.** (2010). Ergonomic comparison of slanted and vertical computer mouse designs. *Proceedings of the Human Factors and Ergonomics Society 54th Annual Meeting*, San Francisco, CA, September 27-October 1, 561-565.

UNREFEREED PUBLICATIONS

- 2017 Lipscomb, M. & **Rollings, K.** (11/29/2017). Do views of indoor plants improve health and well-being? [Blog post]. <https://dirt.asla.org/2017/11/29/do-views-of-indoor-plants-boost-health/>
- 2009 Dickter, R. (2016). The Language of Numbers Demystified (**K.A. Rollings**, Theodoric's Mausoleum Illustration, completed in 2009). <https://www.numbertimearchetype.com/>

FUNDED RESEARCH

CURRENT	UM=University of Michigan	
Jan 2025 submission	Co-I, NIH NIA P01 (PI, P. Clarke, G. Noppert) <i>National Neighborhood Data Archive: A Center for understanding health risks and resilience with aging</i>	--
Nov 2024 submission	Technical Area Co-Lead with J. Allen (Harvard SPH), ARPA-H (PI, A. Alshawabkeh, Northeastern U.), <i>Elimination of Asthma Specific/Sensitive Environments (EASE)</i>	--
Submitted 10/2024	PI, NIH NIA K01 Mentored Research Scientist Development Award (mentor, P. Clarke) <i>Housing, Health, and Disability: The Role of Housing Assistance and Housing Insecurity among Older Adults of Low-Income</i>	--

2024-2026	PI, UM ISR Pilot Project Grants for the Study of Rural Contexts (Co-I, S. Lee) <i>Access, Accessibility, and Aging in Place in Rural Subsidized Housing and Neighborhoods: Addressing Data Gaps Using Secondary Data and Image Segmentation</i>	\$150,000
2024-2027	Co-I, NIH NIA R01AG080491 (PI, H. Choi) <i>Implications of residential location in midlife disability and cognitive functioning among the poor vs. rich: within the US and cross-country comparisons</i>	
2024-2025	Co-I, NIH NINR U01NR020556 (PI, P. Clarke, G. Noppert) <i>A National Neighborhood Data Resource to Understand Inequities in the Health and Socioeconomic Impacts of COVID-19 in the United States</i>	

COMPLETED ND=University of Notre Dame

2023-2024	Co-I, Internal Funds (PI, S. Goold) <i>Engaging communities in setting priorities for health: Disseminating a successful method</i>	--
2022-2023	PI, Blue Cross & Blue Shield of MI Foundation Investigator-Initiated Research Program (Co-I, A. Ibrahim). <i>Evaluating Housing Attributes, Neighborhood Characteristics, & Healthcare Utilization among MI Low-Income Housing Residents.</i>	\$35,000
2020-25 ended 2021	Sole PI, ND Colleges of Engineering and Arts & Letters <i>Graduate Student Research Assistant support, built environment and health work.</i>	\$150,000
2019-22 ended 2021	Sole PI, ND Research Faculty Research Support Program-Regular Grant: <i>Cafeteria Assessment for Elementary Schools (canceled due to Covid-19).</i>	\$100,000
2019	Co-PI, ND Research Health and Wellbeing Initiative Catalyst Seed Grant: <i>Microbiology of the Built Environment</i> (PI, K. Bibby).	\$15,000
2016	Sole PI, ND Center for Social Concerns Community Engagement Faculty Institute.	\$250
2014-18	Sole PI, ND Center for Social Concerns Ganey Mini-Grant: <i>Clubhouse design and health (community centers for adults with serious mental illness).</i>	\$7,000
2014-16	Sole PI, United Way of St. Joseph County: United Way Research Award. <i>Cafeteria Assessment for Elementary Schools: Testing & intervention development.</i>	\$14,453
2014-16	Sole PI, ND Faculty Research Support Program Initiation Grant: <i>Assessing effects of the built environment: Converging efforts to improve health and sustainable design.</i>	\$10,000
2014	Sole PI, Cornell U. & the John D. and Catherine T. MacArthur Foundation: Housing Matters (sub-award, PI G. Evans). <i>Housing and neighborhood quality: Children's mental health and physiological stress.</i>	\$23,745
2012-13	Co-PI, Cornell Center for Behavioral Economics in Child Nutrition (BEN) (PI, N. Wells) <i>Cafeteria assessment for elementary schools: Development.</i>	\$10,000

CHING ND=University of Notre Dame

2020	Sustainability Course Development Grant , ND Sustainability Minor.	\$2,500
2016-20	Arch 41121 Design VI Studio Travel Funding (4): ND School of Architecture.	\$16,500

PRESENTATIONS

INVITED PEER-REVIEWED CONFERENCE PRESENTATIONS (abstracts published in proceedings)

- 2017 **Rollings, K.A.** (2017). Informing design guidelines for healthy eating in schools: Development of the Cafeteria Assessment for Elementary Schools (CAFES) tool. In: *Healthy Places: Using Behavioral Design to Enhance Active Living and Healthy Eating—An NCCOR Sponsored Symposium. 48th Conference of the Environmental Design Research Association*: Madison, WI.
- 2016 **Rollings, K.A.** (2016). Cafeteria Assessment for Elementary Schools (CAFES): Measuring environmental features that influence children's diet. In: *Creating Healthy School Environments Symposium. 24th Conference of the International Association for People-Environment Studies*. Lund, Sweden.

- 2013 **Rollings, K.A.**, Wells, N.M., & Demment, M. (2013). Cafeteria Assessment for Elementary Schools (CAFES): Instrument development. In: Environmental Influences on Children's Diet and Physical Activity at School: Innovative Measurement Strategies Symposium. *44th Conference of the Environmental Design Research Association*: Providence, RI.

PEER-REVIEWED CONFERENCE PRESENTATIONS (abstracts published in proceedings) *=student advisee
Internal

- 2024 Myers, H.* & **Rollings, K.A.** (March 2024). Influences of the University of Michigan's Munger Graduate Residences' design on perceived mental wellbeing. *Depression on College Campuses Conference*, Ann Arbor, Michigan.
- 2023 Zebib, L.* , Stover, M.* , Ibrahim, A.M., **Rollings, K.A.** (May 2023). Michigan's low-income housing location and proximity to healthcare and nearby social determinants of health. *Moses-Gunn Research Conference*, University of Michigan Medicine, Department of Surgery.
- 2023 Stover, M.* , Zebib, L.* , Ibrahim, A.M., **Rollings, K.A.** (May 2023). Documenting health-related housing and neighborhood attributes among Michigan's low-income housing and implications for surgery. *Moses-Gunn Research Conference*, University of Michigan Medicine, Department of Surgery.

External

- 2024 Myers, H.* & **Rollings, K.A.** (July 2024). "Why don't we have windows?" Perceived effects of graduate student housing design on mental well-being. *28th Conference of the International Association for People-Environment Studies*: Barcelona, Spain.
- 2024 Bollo, C.S. & **Rollings, K.A.** (June 2024). Understanding Portland's response to housing deprivation through a tour of exemplary permanent supportive housing (mobile session). *54th Conference of the Environmental Design Research Association*. Portland, Oregon.
- 2023 Myers, H.* & **Rollings, K.A.** (October 2023). Effects of the University of Michigan's Munger Graduate Residences' design on perceived mental wellbeing. *American Psychological Association, Division 34: Society for Environmental, Population, & Conservation Psychology*, online conference.
- 2023 **Rollings, K.A.**, Kunnath, N., Bollo, C., & Ibrahim, A.M. (June 2023). Housing and neighborhood design characteristics and health among Michigan low-income housing tax credit facility residents. *53rd Conference of the Environmental Design Research Association*. Mexico City, Mexico.
- 2023 Bollo, C.S. & **Rollings, K.A.** (June 2023). The value of private outdoor space to resident perception of health and wellbeing in permanent supportive housing. *53rd Conference of the Environmental Design Research Association*. Mexico City, Mexico.
- 2023 Myers, H.* & **Rollings, K.A.** (June 2023). Perceived health effects of Munger Graduate Residences. *53rd Conference of the Environmental Design Research Association*. Mexico City, Mexico.
- 2022 **Rollings, K.A.** & Ibrahim, A.M. (June 2022). Evolving big data strategies to study neighborhoods and health: Promises and pitfalls of using U.S. health insurance claims data *52nd Conference of the Environmental Design Research Association*. Greenville, NC.
- 2022 **Rollings, K.A.**, Nanda, U., & Ibrahim, A.M., Fraser, M. & Weber, H. (June 2022). Design and Health within Architecture: Diverse Pedagogical Approaches and Pathways. *52nd Conference of the Environmental Design Research Association*. Greenville, NC.
- 2021 **Rollings, K.A.** & Bibby, K. (May 2021; postponed April 2020). Microbiology, the built environment, and occupant behavior. In: Microbiology and the Built Environment: Opportunities for Environment-Behavior Research Symposium. *51st Conference of the Environmental Design Research Association*. Tempe, AZ.

- 2021 **Rollings, K.A.** (May 2021; COVID-19 postponed April 2020). Microbiology of the built environment and
2020 occupant behavior: Relevant environment-behavior concepts and methods. In: Microbiology and the
Built Environment: Opportunities for Environment-Behavior Research Symposium. *51st Conference of
the Environmental Design Research Association*. Tempe, AZ. Abstract published.
- 2020 **Rollings, K.A.** (June, 2020; virtual due to Covid-19). Mobile app development of a U.S. cafeteria
assessment for elementary schools (CAFES) tool: Benefits and challenges. *26th Conference of the
International Association for People-Environment Studies*: Quebec City, Canada.
- 2019 **Rollings, K.A.** & Hogan, K. (2019). College student well-being and campus wellness center design. *50th
Conference of the Environmental Design Research Association*: Brooklyn, NY.
- 2018 **Rollings, K.A.** & Hogan, K. (2018). Promoting college student well-being via campus wellness center
design. *25th Conference of the International Association for People-Environment Studies*: Rome, Italy.
- 2018 **Rollings, K.A.** (2018). Participatory design research and adults with serious mental illness. *25th
Conference of the International Association for People-Environment Studies*: Rome, Italy.
- 2017 **Rollings, K.A.** (2017). Participatory design research and adults with mental illness. *48th Conference of
the Environmental Design Research Association*: Madison, WI.
- 2015 **Rollings, K.A.**, Park, G., Wells, N.M., & Evans, G.W. (2015). Teaching multi-disciplinary classes how to
conduct environmental design research. In: Pedagogical Approaches to Teaching Students How to do
Environmental Design Research, A Design Education Pre-Conference Intensive. *46th Conference of the
Environmental Design Research Association*: Los Angeles, CA.
- 2015 Evans, G.W., **Rollings, K.**, Wells, N.M. Bednarz, A., & Yang, Y. (2015). Housing and neighborhood
physical quality: Children's mental health and chronic physiological stress. *46th Conference of the
Environmental Design Research Association*: Los Angeles, CA.
- 2014 **Rollings, K.A.**, Wells, N.M., & Evans, G.W. (2014). Potential design moderators of the residential
crowding-psychological health and crowding-physiological stress relations among children. *45th
Conference of the Environmental Design Research Association*: New Orleans, LA.
- 2014 **Rollings, K.A.** & Wells, N.M. (2014). Cafeteria Assessment for Elementary Schools (CAFES): Scale
development. *Annual Meeting of the International Society for Behavioral Nutrition & Physical
Activity*: San Diego, CA.
- 2012 **Rollings, K.A.**, Wells, N.M., Yang, Y., Bednarz, A., Vaid, U., & Evans, G.W. (2012). Measuring physical
neighborhood quality. *43rd Conference of the Environmental Design Research Association*: Seattle.
- 2012 **Rollings, K.A.** & Wells, N.M. (2012). Objectively quantifying nearby nature: Landcover data and GIS v.
manually-rated satellite images. *43rd Conference of the Environmental Design Research Association*:
Seattle, WA.
- 2012 Wells, N.M., **Rollings, K.A.**, Ong, A.D., & Reid, M. (2012). Nature as a buffer of pain: Nearby nature
moderates the relation between pain catastrophizing and chronic pain intensity among older adults.
43rd Conference of the Environmental Design Research Association: Seattle, WA.
- 2011 **Rollings, K.A.** & Wells, N.M. (2011). Influences of residential environments on childhood obesity. In:
Residential Environments Network Housing and Health Workshop. *42nd Conference of the
Environmental Design Research Association*: Chicago, IL.
- 2010 Wells, N.M. & **Rollings, K.A.** (2010). The physical environment & childhood obesity: Influences of the
home. *Children's Health & Environment: International Workshop on Research, Policy & Practice*:
London, Ontario.
- 2010 **Rollings, K.A.** (2010). Residential kitchen design, social familiarity, and eating behaviors. Grad. Student
Workshop. *41st Conference of the Environmental Design Research Association*: Washington, DC.

- 2010 Feathers, D., Hedge, A., & Rollings, K.A. (2010). Ergonomic assessment of pronating-reducing mouse designs: Anatomical compliance in three-dimensional space. *3rd International Conference on Applied Human Factors and Ergonomics: Miami, Florida*.
- 2010 Hedge, A., Feathers, D., & Rollings, K.A. (2010). Ergonomic comparison of 5 mouse designs: Performance and posture differences. *3rd International Conference on Applied Human Factors & Ergonomics: Miami, FL*.
- 2010 Hedge, A., Feathers, D., Rollings, K.A. (2010). Ergonomic comparison of slanted and vertical computer mouse designs. *3rd International Conference on Applied Human Factors and Ergonomics: Miami, FL*.

EXTERNAL, INVITED PRESENTATIONS (see also “Invited Peer-Reviewed Conference Presentations”)

- 12/15/23 **Health, place and disadvantage: Promoting health equity through the use of disadvantage indices (NIH NIAID-funded workshop), Brocher Foundation**, Hermance, Switzerland.
Rollings, K.A. *Performance and other differences in using the ADI and the SVI (US)*
- 08/04/23 **Michigan Value Collaborative** (Blue Cross Blue Shield of Michigan; virtual).
Rollings, K.A. *Leveraging MVC Data to Support Housing & Health Equity Initiatives*
- 08/02/23 **“Design Wednesdays,” The Better Lab Journal Club, UCSF (virtual)**.
Rollings, K.A. *Architecture and Human Health: Supportive Housing*.
- 04/20/23 **American Psychological Association, Division 34: Society for Environmental, Population, & Conservation Psychology** (virtual).
Rollings, K.A. *Housing and Neighborhood Design, Health, and Healthcare*.
- 04/04/23 **University of Michigan Social Environment and Health Program**: Ann Arbor, MI.
Rollings, K.A. *Housing and Neighborhood Design, Health, and Healthcare*.
- 02/10/23 **University of Michigan Housing Solutions for Health Equity Initiative**: Ann Arbor, MI.
Rollings, K.A. *Housing Instability, Housing and Neighborhood Design, and Healthcare*.
- 04/22/22 **University of Wisconsin-Madison**, Department of Design Studies: Madison, WI.
Rollings, K.A. *Healthy Places and Spaces by Design*.
- 04/12/22 **University of Michigan Survey Research Center**, National Neighborhood Database Archive.
Rollings, K.A. *Healthy Neighborhoods by Design*.
- 02/11/21 **Catholic University of America**, Architecture Seminar Series on Wellbeing: Washington, DC.
Rollings, K.A. *Healthy Places and Spaces (virtual talk due to Covid-19)*.
- 03/13/19 **Massachusetts Department of Mental Health**: Boston, MA.
Rollings, K.A. *Supportive housing design and mental health*.
- 03/13/19 **The Narrow Gate Architecture, LTD**. Boston, MA.
Rollings, K.A. *Supportive housing design & mental health*.
- 03/08/19 **Cornell University, Department of Design + Environmental Analysis**. Ithaca, NY.
Rollings, K.A. *Design and health: Bridging research and practice*.
- 10/23/18 **National Collaborative on Childhood Obesity Research (NCCOR*) Connect & Explore: Innovations in Behavioral Design to Enhance Active Living and Healthy Eating** [Webinar].
Rollings, K.A. *Cafeteria Assessment for Elementary Schools. (*=NIH, CDC, RWJF, USDA)*
- 11/16/17 **National Trust for Historic Preservation’s Past Forward** annual conference: Chicago, IL.
Rollings, K.A. *Preservation, the built environment, and health*.
- 10/12/17 **Keynote, Mid-America College Health Association** annual regional meeting: South Bend, IN.
Rollings, K.A. *The built environment, health, and college campus wellness center design*.
- 09/29/17 **Cornell University, Dept. of Design + Environmental Analysis Grad Seminar**. Ithaca, NY.
Rollings, K.A. *Participatory design research and adults with mental illness*.
- 05/13/17 **St. Joseph Health System**. South Bend, IN. *Wellness & aging* presentation/panel discussion.

- 03/14/17 **The Narrow Gate Architecture, LTD.** Boston, Massachusetts.
Rollings, K.A. *Supportive housing design & environmental psychology.*
- 03/7/17 **Harvard University, Annual Ivy Plus Engaged Scholarship Faculty Pre-Conference** held before the ESSJ Undergraduate Research Conference, Cambridge, MA.
Rollings, K.A. *CAFES: Cafeteria Assessment for Elementary Schools.*
- 11/17/16 **St. Joseph Health System.** South Bend, IN. *Wellness & aging* presentation/panel discussion.
- 09/16/16 **Harvard Graduate School of Design,** Prof. A. Forsyth's Health & Place class: Cambridge, MA.
Rollings, K.A. *Effects of natural environments on health in residential settings* (remote).
- 07/29/14 **MacArthur Foundation Roundtable:** Boston, MA. Evans, G.W., Wells, N.M., & Rollings, K.A. *Neighborhood physical environments: How housing matters for healthy child development.*
- 10/25/12 **MacArthur Foundation, "Housing Matters" Grantee Convening.** Chicago, IL. Rollings, K., Wells, N., Yang, Y., Bednarz, A., & Evans, G. *Measuring physical neighborhood quality.*

EXTERNAL, INVITED ARCHITECTURE DESIGN STUDIO CRITIC

- 05/01/20 **Invited juror, University of Illinois School of Architecture,** Assistant Professor Christina Bollo's Permanent Supportive Housing Graduate Studio (virtual reviewer due to Covid-19).

INVITED PRESENTATIONS, INTERDISCIPLINARY (U. of Notre Dame; See also "Service/Academic, Other")

- 03/24/20 **U. of Notre Dame Fitzgerald Institute for Real Estate, Real Estate Research Roundtable**
Rollings, K.A. *Urban & Rural Neighborhood Quality & Children's Mental Health.*
- 05/14/19 **University of Notre Dame Healthy Campus Coalition.**
Rollings, K.A. *The Built Environment and Health on College Campuses.*
- 11/12/18 **Geographic Information Systems (GIS) Day, Navari Family Center for Digital Scholarship.**
Rollings, K.A. *GIS in Architecture and Health.*
- 02/12/18 **Psychology, Cognition, Brain, and Behavior Group. Department of Psychology.**
Rollings, K.A. *Architecture & Environmental Psychology: Intro, Research, & Opportunities.*
- 11/01/17 **Interdisciplinary Center for Network Science & Applications (iCeNSA),** Prof. Nitesh Chawla.
Rollings, K.A. *Healthy Built Environments by Design.*
- 04/20/17 & 04/12/16 **Psy 43357 Food and the Brain, Professor Kristi Rudenga.**
Rollings, K.A. *The Built Environment, Cafeteria Design, and Healthy Eating.*
- 11/02/16 **Food for Thought,** ND Center for Social Concerns event (students, faculty, partners).
Rollings, K.A. *Built Environment & Health: Opps. for Academic-Community Engagement.*
- 04/07/16 **Sust 20010 Sustainability: Principles and Practices, Professor Phil Sakamoto.**
Rollings, K.A. *Sustainable Neighborhood Design and Health.*
- 10/30/15 **Laudato Lunches, ND Center for Social Concerns** (ugrads/grads, faculty, community partners).
Rollings, K.A. *Sustainable Design for Healthy Communities.*
- 04/21/15 **Theo 60964 Common Good Initiative, Prof. Kevin Sandberg, CSC.** (graduate course).
Rollings, K.A. *Architecture and Well-Being.*
- 11/19/14 **Geographic Information Systems (GIS) Day, Navari Family Center for Digital Scholarship.**
Rollings, K. A. *Measuring Neighborhood Design and Children's Mental Health.*

INVITED PRESENTATIONS, ARCHITECTURE (U. of Notre Dame; See also "Service/Academic, Other")

- 2014-2019 (6) Rollings, K. **Universal Design.** Accessibility Day, ND School of Architecture (grad/ugrad).
- 04/02/14 Rollings, K. **Residential Design and Health.** Arch 41121 Design VI, Prof. A. Buccellato.
- 01/17/14 Rollings, K. **Mental Health & the Built Environment.** Arch 41111 Design V, Prof. L. Steil.
- 10/31/14 Rollings, K. **Mental Health & the Built Environment.** Arch 41121 Design VI, Prof. L. Steil.
- 11/11/13 Rollings, K. **Geographic Information Systems for Architects** (grad students).

PROFESSIONAL MEMBERSHIPS

2024-present	Gerontological Society of America (GSA)
2021-present	American Psychological Association, Division 34: Society for Environmental, Population, & Conservation Psychology
2019-present	Architectural Research Centers Consortium (ARCC)
2010-present	Environmental Design Research Association (EDRA)
2015-present	International Association for People-Environment Studies (IAPS)
2017- 2018	National Trust for Historic Preservation
2013-2014	International Society for Behavioral Nutrition and Physical Activity
2011-2014	Institute of Classical Architecture and Art

ACADEMIC ASSOCIATIONS

University of Michigan

Fa 2021-present **Institute for Healthcare Policy & Innovation: Affiliated Member**

Fa 2022-present **Housing Solutions for Health Equity Initiative: Faculty Expert**

University of Notre Dame

Fa 2019-2021 **Environmental Change Initiative: Affiliated Faculty (research)**

Sp 2019-2021 **Notre Dame Fitzgerald Institute for Real Estate: Faculty Fellow & Instructor**

Sp 2017-2021 **Reilly Center for Science, Technology, and Values: Allied Faculty & Instructor**

Fa 2016-2021 **Eck Institute for Global Health: Instructor, Eligible Graduate Student Thesis Advisor**

Sp 2016-2021 **Neuroscience and Behavior: Faculty Affiliate, Capstone Advisor, & Instructor**

Fa 2014-2021 **Sustainability Minor: Faculty Affiliate, Capstone Advisor, & Instructor**

Fa 2014-2021 **Poverty Studies Interdisciplinary Minor: Faculty Affiliate, Advisor, & Instructor**

Fa 2013-2021 **Center for Children and Families: Faculty Affiliate (research)**

ACADEMIC & PROFESSIONAL DEVELOPMENT

Su 2023	K-writing workshop , University of Michigan Institute for Clinical and Health Research.
2021-2022	Auditor, Health and Healthcare Research Master's Program , University of Michigan IHPI.
2020-2021	Participant, 25 webinars/workshops re: Covid-19, remote teaching, and equity/anti-racism.
Mar 2019	Participant, National Science Foundation, Smart Cities Lab, and MetroLab Network Ideas Competition, "Civic Innovation Challenge Ideas Festival" (competitive).
Sept 2018	Participant, Evaluating Teaching , Kaneb Center for Teaching & Learning, Notre Dame.
April 2018	Invited Participant, Designing Healthy Communities Symposium w/ R. Jackson: UCLA.
Fa 2017, 2013	Participant, Writing Successful Grants workshop: Notre Dame (2)
Fa 2017	Auditor, Structural Equation Modeling Course: Notre Dame.
May 2016	Participant, Community Engagement Faculty Institute: ND Center for Social Concerns.
June 2015	Invited Participant, Urban Institute Research to Policy Bootcamp: Washington, DC.
Nov 2013	Invited Participant, Chicago Council on Global Urban Affairs, "Global Urban Challenges: The Role of Research Universities" Urban Vitality Working Group: Chicago, IL.

PROFESSIONAL COLLABORATIONS

Sp 2024-present	Public and Affordable Housing Research Corporation, Cheshire, CT Collaborator: National Housing Preservation Database assisted housing measures
Fa '22-Sp '23	Avalon Housing, Ann Arbor, MI Collaborator: Permanent supportive housing resident design and health interviews.

Sp '16,17,19,20	The Narrow Gate Architecture, Ltd.; Boston, Massachusetts <i>and</i>
Sp '16,17,19	Alliance Architects; South Bend, Indiana. <i>Consultant:</i> Design considerations for permanent supportive housing.
Sp 2015-2017	Perkins & Will; Atlanta, Georgia. <i>Research Methods Consultant</i> to M. Lipscomb: Interior greenery & health study.
Su 2016	Alliance Architects and Tango Design; South Bend, Indiana. <i>Consultant:</i> Design considerations for a Continuing Care Retirement Community.
Su 2016	VMDO Architects; Charlottesville, Virginia. <i>Consultant</i> to D. Sorensen: School cafeteria “distributed dining” design implications.
Sp 2015-2016	Clubhouse (community center for adults with serious mental illness); South Bend, IN. <i>Consultant</i> to L. Anderson: Design considerations for site selection & renovation.
Fa 2014	Wilder Research; St. Paul, Minnesota. <i>Consultant</i> to M. Ferris: <i>Building Healthy Schools: Health Impact Assessment on Planning School Construction Projects in MN</i> (Public Health Law Center, Jan., 2015).
Sp 2013	Jefferson-Houston Prek-8 School; Alexandria, Virginia. <i>Consultant:</i> Implications of “distributed dining” school cafeteria design (case study).
Sp 2013	Belle Sherman Elementary School; Ithaca, New York. <i>Consultant:</i> CAFES assessment & elementary school cafeteria redesign suggestions.
Sp 2006	NEXT Young Architects Club (next.cc) Curriculum Designer; UW-Milwaukee.

COURSES TAUGHT University of Notre Dame (no. semesters)

2014-2021 (8)	Social Factors & Sustainability: Effects of the Built Environment on Health (3 credits)
2014-2021 (13)	Healthy Places ND Research Assistance (1-3 credits)
2016-2020 (4)	Design VI: Healthy Places & Spaces Design 4 th -year Studio (6 credits, 12 hours/week)
2013 (1)	Design I: 2 nd -year design studio (6 credits, 12 hours/week)

MENTORSHIP & INFORMAL TEACHING

SEMINAR & SYMPOSIUM ORGANIZER (University of Notre Dame)

March 2016	Seminar: Applying to Graduate School in Architecture, Planning, and Design Ann Forsyth, PhD, Professor of Urban Planning: Harvard Graduate School of Design.
Su-Fa 2016	Symposium series: Designing Healthy Communities Richard J. Jackson, MD MPH. Professor, Fielding School of Public Health: UCLA.

STUDENT ADVISING (#=number of students; ND=University of Notre Dame)

2021-present	Advisor, Design Science PhD student, University of Michigan (1)
Sp 2023	Advisor, Medical Student Research Assistants, University of Michigan (2)
2014-2021	Advisor, Undergraduate (19) & graduate (4) research assistants (ND)
2021-2021	Advisor, Undergraduate Neuroscience & Behavior Honors Program capstone (1, ND)
2019-2020	Advisor, Undergraduate Glynn Family Honors Program Capstone (1, ND)
2014-2019	Advisor, Undergraduate Sustainability Minor Capstones (8, ND)

UNDERGRADUATE AWARDS & HONORS, EXTERNAL (#=number of students)

Sp 2022	U.S. Rhodes Scholar Class of 2022 (M. Isaac, '20; research assistant)
Fa 2020	U.S. Rhodes Scholar Class of 2020 Finalist (M. Isaac, '20; research assistant)
Sp 2020	Fulbright U.S. Student Program grant (S. Kubus-Germany '19, co-advised; studio student)
Sp 2018	Hart Howerton Summer Travel Fellowship, Finalist (1)
Fa 2017	Acanthus Award, The Chicago-Midwest Institute of Classical Architecture & Art (2)

Sp 2017 **U.S. Rhodes Scholar Class of 2017** (A. Doyle, '17; Research Assistant)
 Su 2016 **UCLA Center for Occupational & Env. Health/Sustainable Technology & Policy Program**,
Research assistant, UCLA; advisors: C. Batteate, MPH & Prof. R. Jackson, MD (1 student)
 Sp 2015 **FlexMed Program, Mt. Sinai Icahn School of Medicine**: New York, NY (1 research assistant)
 2013-2014 **16th Annual Berkeley Undergraduate Essay Prize for Architectural Design Excellence**:
 3 semi-finalists and 1 semi-finalist travel fellowship awardee (2 studio students, 2 other)

UNDERGRADUATE AWARDS & HONORS, INTERNAL (ND = University of Notre Dame)

Fa 2020 *Honors Program*, ND Neuroscience and Behavior (1; competitive)
 Sp 2020 *Research Award*, ND Hesburgh Library, 2nd place Senior Thesis/Capstone Award (1)
 Fa 19 *Research Funding*, ND Liu Institute for Asia & Asian Studies Undergraduate (1)
 Fa 19 *Research Grant*, Fagan Memorial Fund, ND School of Architecture (1)
 Sp 16, 17, 19 *Ruiz Award for Excellence in Accessibility Design*, ND School of Architecture (3, studio)
 2017-2018 *Travel-Research Grant*, ND Nanovic Institute for European Studies (2 undergrad. seniors)
 Sp 2017 *Undergraduate Community-Based Research Prize*, ND Center for Social Concerns (8)
 Sp 2017 *Semifinalists*, ND McCloskey Business Plan Competition, Tiny House Concept Team
 Fa 2015 *Grant*, ND Center for Undergraduate Scholarly Engagement, University of Notre Dame (1)
 Sp 2015 *ND Kellogg Institute Summer Internship Program*: Child Family Health International (1)
 Sp 2015 *Student Award*, ND Center for Social Concerns (1)

OTHER *Invited critic, 16 Architecture studio reviews* (U. Notre Dame, 2013-2021)
Invited critic, 7 Design + Environmental Analysis studio reviews (Cornell U., 2013-2021)

SERVICE

PROFESSIONAL: EDITORIAL BOARDS & REVIEWER

2024 **Editorial Board member**: *Infrastructure and Health* (Oxford University Press)
 Sp 2022-present **Editorial Board member**: *Journal of Architectural and Planning Research*
 Sp 2018-present **Editorial Board member**: *Environment & Behavior*
 2022-present **Conference Abstract/Paper Reviewer**: *Environmental Design Research Association (EDRA)*
 Fa 2013-present **Ad-Hoc Peer Reviewer** for Journal (Publisher) Health Affairs (*Project HOPE*)
 Environment & Behavior (*Sage*) JAMA (*AMA*)
 Journal of Environmental Psychology (*Elsevier*) Health & Place (*Elsevier*)
 Journal of the American Planning Assoc. (*Taylor & Francis*) IJERPH (*MDPI*)
 Journal of Architectural and Planning Research (*Locke*) Journal of Urban Health (*Springer*)
 Journal of Housing and the Built Environment (*Springer*) Cities (*Elsevier*)
 Architectural Science Review (*Taylor & Francis*) Cities & Health (*Routledge*)
 Design Issues (*MIT Press Journals*) Urban Planning (*Cogitatio Press*)
 PLoS One (*PLoS Open Access*) Sustainability (*MDPI Open Access*)
 Children, Youth, and Environments (*U. Cincinnati*) Journal of Aging & Social Policy (*Routledge*)
 Military Behavioral Health (*Taylor & Francis*) Pediatrics (*AAP*)
 Challenges (*MDPI*) Childhood Obesity (*Mary Ann Liebert, Inc.*)

PROFESSIONAL: CONFERENCE SYMPOSIUM SESSION ORGANIZER^/CO-ORGANIZER^^

06/22 **Rollings, K.,^** Nanda, U., & Ibrahim, A., Fraser, M. & Weber, H. Design and Health within Architecture:
 Diverse Pedagogical Approaches and Pathways Symposium. 52nd EDRA Conference. Greenville, NC.
 05/21 **Rollings, K.A.^**, Bibby, K., & Loebach, J. (canceled April 2020). Microbiology and the Built Environment:
 Opportunities for Environment-Behavior Research Symposium. 51st EDRA Conference. Tempe, AZ.
 2016 Wells, N.M., **Rollings, K.A.^^**, & Moore, R. Creating Healthy School Environments Symposium. 24th
 Conference of the International Association for People-Environment Studies. Lund, Sweden.

2013 Wells, N., **Rollings, K.^^**, & Myers, E. Environmental Influences on School Children's Diet and Physical Activity: Innovative Measurement Strategies Symposium. 44th EDRA Conference: Providence, RI.

ACADEMIC COMMITTEES

University of Notre Dame (appointed)

Fa 2016 - Sp 2021 Community Engagement Coordinating Council, School of Architecture Representative

Fa 2013 - Su 2016 Learning Management Guidance Council, School of Architecture Representative

School of Architecture, University of Notre Dame (appointed)

Fa 2019 - Sp 2021 Faculty Mentorship Committee

Fa 2017 - Sp 2021 Ad-Hoc Faculty Research Committee

Fa 2015 - Sp 2021 Accessibility Committee

Fa 2017 - Sp 2019 Faculty Awards Committee

Fa 2015 - Sp 2017 Campus Lectures Committee

Fa 2013 - Sp 2017 Environment & Sustainability Committee

Fa 2013 - Sp 2015 Technology Committee

OTHER ACADEMIC SERVICE, University of Notre Dame

Fa 2018 *Invited Speaker*, Student Association for Women in Architecture, "Share your research" talk

Sp 2018 *Invited Talk*, School of Architecture Student Research Forum, Research group talk

Fa 2017 *Invited Speaker*, First-year student orientation: Preparing for class, Lewis Hall

Sp 2017 *Invited Panelist*, Alternative careers for psychology Ph.D. students

Sp 2017 *Invited Panelist*, Student Association for Women in Architecture "Share your story" panel

Sp 2017; 2018 *Author*, Richard Jackson honorary degree nomination submission (2)

Fa 2016 *Session Moderator*, The Art of Architecture: Hand Drawing and Design conference

Fa 2016 *Networking Mentor*, ND Women Connect Campus to Career Panel and Networking

COMMUNITY SERVICE

Fa 2015-Sp 2017 *Steering Committee*: St. Joseph County Health Improvement Alliance (SJCHIA)

Fa 2014-Sp 2017 *Reducing Obesity Coalition Subcommittee*: SJCHIA, South Bend, Indiana

Fa 2013-2015 *Clubhouse of St. Joseph County Working Group*: South Bend, Indiana

Fa 2014 *Guest Instructor (3): Drawing Historic Buildings*. LaSalle Intermediate Academy (middle school), South Bend, IN