

## Kenneth Leonard

2200 Symons Hall  
Department of Agricultural and Resource Economics  
University of Maryland  
College Park, MD 20742  
kleonard@arec.umd.edu

### I. Personal Information

Leonard, Kenneth L.  
2200 Symons Hall  
Personal Website: [terpconnect.umd.edu/~kenneth](http://terpconnect.umd.edu/~kenneth)

#### I.B. Academic Appointments at UMD

Professor, College of Agriculture & Natural Resources, AGNR-Agricultural & Resource Economics. August 1, 2021 - Present.

Associate Professor, College of Agriculture & Natural Resources, AGNR-Agricultural & Resource Economics. August 2, 2009 - July 31, 2021.

Associate Professor, Undergraduate Studies, UGST-Undergraduate Studies. September 10, 2012 - September 28, 2012.

Assistant Professor, College of Agriculture & Natural Resources, AGNR-Agricultural & Resource Economics. August 10, 2003 - August 1, 2009.

#### I.E. Other Employment

Fulbright Scholar, Ashesi University. (August 2019 - June 2020).

Visiting Scholar, Ifakara Health Institute. (2012).

Assistant Professor of Economics, Columbia University. (1997 - 2003).

#### I.F. Educational Background

PhD, Agricultural and Resource Economics. University of California at Berkeley, 1997.

BA, Economics and Political Science. Swarthmore College, 1989.

### II. Research, Scholarly, Creative and/or Professional Activities

*In citations below, \* indicates the corresponding author and † marks student collaborators who were mentored by this faculty member.*

#### II.A. Books

##### II.A.1. Books Authored

Leathers, H. D., Leonard, K. L.# *The World Food Problem: Toward Understanding and Ending Undernutrition in the Developing World*. Boulder, Colorado: Lynne Rienner Publishers.

##### II.A.6. Other

#### II.B. Chapters

##### II.B.1. Books

- Leonard, K. L., Maestad, O. (2016). Analyzing the Determinants of Health Worker Performance. in *Health Labor Market Analysis in Low and Middle Income Countries: An Evidence Based Approach*.
- Leonard, K. L., Maestad, O. (2016). Measuring the Performance of Health Workers. in *Health Labor Market Analysis in Low and Middle Income Countries: An Evidence Based Approach*.
- Leonard, K. L. (2014). World Development Report 2015: Mind, Society and Behavior. in *The World Bank*.
- Brock, J. M., Leonard, K. L., Masatu, M. C., Serneels, P. (2013). Health Worker Performance. in *The Labor Market for Health Workers in Africa: A New Look at the crisis* (pp. 67-92). Washington, DC: The World Bank.
- McNamara, P. E., Ulimwengu, J. M., Leonard, K. L. (2012). Do Health Investments Improve Agricultural Productivity? Lessons from Agricultural Household and Health Research. in *Reshaping Agriculture for Nutrition and Health*.
- Das, J., Leonard, K. (2008). Use of Vignettes to Measure the Quality of Health Care. in *ARE YOU BEING SERVED: NEW TOOLS FOR MEASURING SERVICE DELIVERY* (pp. 299-312).
- Leonard, K. L. (2005). Collaborations of Mutual Benefit to Academics and Practitioners. in *Attacking Poverty in the Developing World: Christian Practitioners and Academics in Collaboration*.
- Leonard, K. L. (2003). Bypassing Health Centers in Tanzania: Revealed Preferences for Quality. in *Le Financement de la sante dans les pays d'Afrique et d'Asie a faible revenu*.
- Leonard, K. L.# (2000). Incentives and Rural Health Care Delivery. in *Africa's Changing Markets for Health and Veterinary Services*.

#### II.B.6. Other

#### II.C. Refereed Journals

##### II.C.1. Refereed Journal Articles

- Buehren, N., Goldstein, M., **Leonard, K. L.**, Montalvo, J.#, Vasilaky, K. (2021). Spillover Effects of Girls' Empowerment on Brothers' Competitiveness: Evidence from a Lab-in-the-Field Experiment in Uganda. *Economic Development and Cultural Change*, 70(2).  
<https://www.journals.uchicago.edu/doi/pdfplus/10.1086/713882> <https://doi.org/10.1086/713882>
- Tumlinson, K., Jaff, D., Stilwell, B., Onyango, D. O., Leonard, K. L. (2019). Reforming medical education admission and training in low- and middle-income countries: who gets admitted and why it matters. *HUMAN RESOURCES FOR HEALTH*, 17(1). [10.1186/s12960-019-0426-9](https://doi.org/10.1186/s12960-019-0426-9)
- Wambogo, E. A., Ghattas, H., Leonard, K. L., Sahyoun, N. R. (2018). Validity of the Food Insecurity Experience Scale for Use in Sub-Saharan Africa and Characteristics of Food-Insecure Individuals. *CURRENT DEVELOPMENTS IN NUTRITION*, 2(9). [10.1093/cdn/nzy062](https://doi.org/10.1093/cdn/nzy062)
- Brock, J. M., Lange, A., Leonard, K. L. (2018). Giving and promising gifts: Experimental evidence on reciprocity from the field. *JOURNAL OF HEALTH ECONOMICS*, 58, 188-201. [10.1016/j.jhealeco.2018.02.007](https://doi.org/10.1016/j.jhealeco.2018.02.007)
- Flory, J. A., Gneezy, U., Leonard, K. L., List, J. A. (2018). Gender, age, and competition: A disappearing gap? *JOURNAL OF ECONOMIC BEHAVIOR & ORGANIZATION*, 150, 256-276. [10.1016/j.jebo.2018.03.027](https://doi.org/10.1016/j.jebo.2018.03.027)
- Vasilaky, K. N., Leonard, K. L. (2018). As Good as the Networks They Keep? Improving Outcomes through Weak Ties in Rural Uganda. *ECONOMIC DEVELOPMENT AND CULTURAL CHANGE*, 66(4), 755-792.
- Leonard, K. (2018). Giving and promising gifts: Experimental evidence on reciprocity from the field. *Journal of Health Economics*.  
[http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS\\_CPL&KeyUT=WOS:000430770200014&KeyUID=WOS:000430770200014](http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcAuth=ORCID&SrcApp=OrcidOrg&DestLinkType=FullRecord&DestApp=WOS_CPL&KeyUT=WOS:000430770200014&KeyUID=WOS:000430770200014) [10.1016/j.jhealeco.2018.02.007](https://doi.org/10.1016/j.jhealeco.2018.02.007)

- Leonard, K. L., Masatu, M. C. (2017). Changing health care provider performance through measurement. *SOCIAL SCIENCE & MEDICINE*, 181, 54-65. [10.1016/j.socscimed.2017.03.041](http://dx.doi.org/10.1016/j.socscimed.2017.03.041)
- Brock, J. M., Lange, A., Leonard, K. L. (2016). Generosity and Prosocial Behavior in Healthcare Provision: Evidence from the Laboratory and Field. *Journal of Human Resources*, 51(1), 133-162. <http://dx.doi.org/10.3368/jhr.51.1.133> [10.3368/jhr.51.1.133](http://dx.doi.org/10.3368/jhr.51.1.133)
- Bawo, L., Leonard, K. L., Mohammed, R. (2015). Protocol for the evaluation of a quality-based pay for performance scheme in Liberia. *Implementation Science*, 10(1). <http://dx.doi.org/10.1186/s13012-014-0194-9> [10.1186/s13012-014-0194-9](http://dx.doi.org/10.1186/s13012-014-0194-9)
- Brock, J. M., Lange, A., Leonard, K. L. (2015). Esteem and social information: On determinants of prosocial behavior of clinicians in Tanzania. *Journal of Economic Behavior & Organization*, 118, 85-94. <http://dx.doi.org/10.1016/j.jebo.2015.03.013> [10.1016/j.jebo.2015.03.013](http://dx.doi.org/10.1016/j.jebo.2015.03.013)
- Leonard, K. L. (2014). Active patients in rural African health care: implications for research and policy. *Health Policy and Planning*, 29(1), 85-95. <http://dx.doi.org/10.1093/heapol/czs137> [10.1093/heapol/czs137](http://dx.doi.org/10.1093/heapol/czs137)
- Hanson, J. C., Leonard, K. L., Essam, T. (2013). Listening while evaluating: examining the benefit of an NGO programme using season extenders (greenhouses) in Bosnia–Herzegovina. *Journal of Development Effectiveness*, 5(1), 116-136. <http://dx.doi.org/10.1080/19439342.2012.761263> [10.1080/19439342.2012.761263](http://dx.doi.org/10.1080/19439342.2012.761263)
- Brown, M.E., Tondel, F., Essam, T., Thorne, J.A., Mann, B.F., Leonard, K., Stabler, B., Eilerts, G. (2012). Country and regional staple food price indices for improved identification of food insecurity. *Global Environmental Change*, 22(3), 784-794. <http://dx.doi.org/10.1016/j.gloenvcha.2012.03.005> [10.1016/j.gloenvcha.2012.03.005](http://dx.doi.org/10.1016/j.gloenvcha.2012.03.005)
- Leonard, K. L., Masatu, M. C. (2010). Professionalism and the know-do gap: exploring intrinsic motivation among health workers in Tanzania. *Health Economics*, 19(12), 1461-1477. <http://dx.doi.org/10.1002/hec.1564> [10.1002/hec.1564](http://dx.doi.org/10.1002/hec.1564)
- Leonard, K. L., Masatu, M. C. (2010). Using the Hawthorne effect to examine the gap between a doctor's best possible practice and actual performance. *Journal of Development Economics*, 93(2), 226-234. <http://dx.doi.org/10.1016/j.jdeveco.2009.11.001> [10.1016/j.jdeveco.2009.11.001](http://dx.doi.org/10.1016/j.jdeveco.2009.11.001)
- Klemick, H., Leonard, K. L., Masatu, M. C. (2009). Defining Access to Health Care: Evidence on the Importance of Quality and Distance in Rural Tanzania. *AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS*, 91(2), 347-358. [10.1111/j.1467-8276.2009.01252.x](http://dx.doi.org/10.1111/j.1467-8276.2009.01252.x)
- Gneezy, U., Leonard, K. L., List, J. A. (2009). GENDER DIFFERENCES IN COMPETITION: EVIDENCE FROM A MATRILINEAL AND A PATRIARCHAL SOCIETY. *ECONOMETRICA*, 77(5), 1637-1664. [10.3982/ECTA6690](http://dx.doi.org/10.3982/ECTA6690)
- Leonard, K. L., Adelman, S. W., Essam, T. (2009). Idle chatter or learning? Evidence of social learning about clinicians and the health system from rural Tanzania. *Social Science & Medicine*, 69(2), 183-190. <http://dx.doi.org/10.1016/j.socscimed.2009.05.020> [10.1016/j.socscimed.2009.05.020](http://dx.doi.org/10.1016/j.socscimed.2009.05.020)
- Leonard, K. L. (2009). The cost of imperfect agency in health care: Evidence from rural Cameroun. *Journal of Development Economics*, 88(2), 282-291. <http://dx.doi.org/10.1016/j.jdeveco.2008.06.012> [10.1016/j.jdeveco.2008.06.012](http://dx.doi.org/10.1016/j.jdeveco.2008.06.012)
- Leonard, K. L., Masatu, M. C. (2008). Moving from the lab to the field: Exploring scrutiny and duration effects in lab experiments. *Economics Letters*, 100(2), 284-287. <http://dx.doi.org/10.1016/j.econlet.2008.02.010> [10.1016/j.econlet.2008.02.010](http://dx.doi.org/10.1016/j.econlet.2008.02.010)
- Das, J., Hammer, J., Leonard, K. (2008). The Quality of Medical Advice in Low-Income Countries. *Journal of Economic Perspectives*, 22(2), 93-114. <http://dx.doi.org/10.1257/jep.22.2.93> [10.1257/jep.22.2.93](http://dx.doi.org/10.1257/jep.22.2.93)
- Leonard, K. L. (2008). Is patient satisfaction sensitive to changes in the quality of care? An exploitation of the Hawthorne effect. *Journal of Health Economics*, 27(2), 444-459. <http://dx.doi.org/10.1016/j.jhealeco.2007.07.004> [10.1016/j.jhealeco.2007.07.004](http://dx.doi.org/10.1016/j.jhealeco.2007.07.004)

- Leonard, K. L., Masatu, M. C., Vialou, A. (2007). Getting doctors to do their best - The roles of ability and motivation in health care quality. *JOURNAL OF HUMAN RESOURCES*, 42(3), 682-700.
- Leonard, K. L. (2007). Learning in Health Care: Evidence of Learning about Clinician Quality in Tanzania. *Economic Development and Cultural Change*, 55(3), 531-555. <http://dx.doi.org/10.1086/511192>
- Leonard, K. L., Masatu, M. C. (2007). Variations In The Quality Of Care Accessible To Rural Communities In Tanzania. *Health Affairs*, 26(Suppl2), w380-w392. <http://dx.doi.org/10.1377/hlthaff.26.3.w380>
- Leonard, K., Masatu, M. C. (2006). Outpatient process quality evaluation and the Hawthorne Effect. *Social Science & Medicine*, 63(9), 2330-2340. <http://dx.doi.org/10.1016/j.socscimed.2006.06.003>
- Leonard, K. L., Masatu, M. C. (2005). The use of direct clinician observation and vignettes for health services quality evaluation in developing countries. *Social Science & Medicine*, 61(9), 1944-1951. <http://dx.doi.org/10.1016/j.socscimed.2005.03.043>
- Leonard, K. L., Zivin, J. G. (2005). Outcome versus service based payments in health care: lessons from African traditional healers. *Health Economics*, 14(6), 575-593. <http://dx.doi.org/10.1002/hec.956>
- Leonard, K. L., Leonard, D. K. (2004). The Political Economy of Improving Health Care for the Poor in Rural Africa: Institutional Solutions to the Principal-Agent Problem. *Journal of Development Studies*, 40(4), 50-77. <http://dx.doi.org/10.1080/00220380410001673193>
- Leonard, K. L. (2003). African traditional healers and outcome-contingent contracts in health care. *Journal of Development Economics*, 71(1), 1-22. [http://dx.doi.org/10.1016/s0304-3878\(02\)00131-1](http://dx.doi.org/10.1016/s0304-3878(02)00131-1)
- Leonard, K. L., Mliga, G., Mariam, D. (2002). Bypassing health centres in Tanzania: Revealed preferences for quality. *JOURNAL OF AFRICAN ECONOMIES*, 11(4), 441-471.
- Leonard, K. L. (2002). When both states and markets fail: asymmetric information and the role of NGOs in African health care. *International Review of Law and Economics*, 22(1), 61-80. [http://dx.doi.org/10.1016/s0144-8188\(02\)00069-8](http://dx.doi.org/10.1016/s0144-8188(02)00069-8)

#### II.C.4. Other

#### II.D. Published Conference Proceedings

#### II.D.3. Other

#### II.E. Conferences, Workshops, and Talks

#### II.E.2. Invited Talks

- Leonard, K., Department Seminar, "Women's Empowerment and the Intrinsic Demand for Agency," Center for Economic Science, George Mason University. (2022).
- Leonard, K., Department of Economics Seminar, "Generosity and Gifts as Sources of Motivation for Health Workers," Stellenbosch University, Stellenbosch, KS, South Africa. (February 2020 - 2020).
- Leonard, K., Department of Economics Seminar, "Improving health outcomes by choosing better doctors: Evidence of social learning about doctor quality from rural Tanzania," Stellenbosch University, Stellenbosch, South Africa. (February 2020 - 2020).
- Leonard, K., Economics Department Seminar, "Giving and Promising Gifts: Experimental Evidence on Reciprocity and the Study Effect from Tanzania," Baylor University. (2017).
- Leonard, K., Department of Economics, Seminar, "Improving health outcomes by choosing better doctors: Evidence of social learning about doctor quality from rural Tanzania," Middlebury College. (2017).

Leonard, K., Department of Economics, Seminar, "Motherhood, Status and Culture," Southern Methodist University. (2017).

Brock, J.Michelle, Lange, A., Leonard, K., Health and Economic Development Seminar, "Giving and promising gifts: Experimental evidence on reciprocity and the study effect from the field." (2014).

Leonard, K., Harvard Social Enterprise Conference, "Access and quality: Empirical evidence from rural Tanzania." (2014).

Leonard, K., "Technical consultation for the primary health care performance initiative." (2014).

Brock, J.Michelle, Lange, A., Leonard, K., Economics Department, "Gift and prod: Experimental evidence on reciprocity and the study effect from the field." (2012).

Leonard, K., Performance Based Financing Group, "Measuring motivation for health care in low income countries." (2012).

Brock, J.Michelle, Lange, A., Leonard, K., Center for Global Development, "Activating social preferences: Evidence from a field experiment with doctors in Tanzania." (2011).

Brock, J.Michelle, Lange, A., Leonard, K., Development Economics Research Group, "Activating social preferences: Evidence from a field experiment with doctors in Tanzania." (2011).

Brock, J.Michelle, Lange, A., Leonard, K., Economics Department, "Activating social preferences: Evidence from a field experiment with doctors in Tanzania." (2011).

Brock, J.Michelle, Lange, A., Leonard, K., The Bill and Melinda Gates Foundation, "Activating social preferences: Evidence from a field experiment with doctors in Tanzania." (2011).

Brock, J.Michelle, Lange, A., Leonard, K., Dept of Economics, "Activating social preferences: Evidence from a field experiment with doctors in Tanzania." (2010).

Leonard, K., Dept of Applied Economics, "Activating social preferences: Evidence from a field experiment with doctors in Tanzania." (2010).

Leonard, K., "African traditional healers: Lesson learned from indigenous institutions." (2010).

Leonard, K., NBER, Health Economics Workshop, "Improving health outcomes by choosing better doctors: Evidence of social learning about doctor quality from rural Tanzania." (2010).

Leonard, K., "Professionalism and the know-do gap: exploring intrinsic motivation among health workers in Tanzania." (2010).

Leonard, K., Research Group Seminar, "Gender and competition." (2009).

Leonard, K., Brown Bag Lunch Presentation, "Traditional healers in rural africa." (2009).

Leonard, K., Harvard and MIT joint health economics seminar, "Using the hawthorne effect to examine the gap between a doctor's best possible practice and actual performance." (2009).

Leonard, K., Third Annual University Hunger Summit, "Access to health care in poor developing countries: The importance of transportation and quality." (2008).

Leonard, K., "Modeling the impact of patient behavior on measures of access to health care." (2008).

Leonard, K., "Health Services for Outcomes" group, "Getting doctors to do their best: Ability, altruism and incentives." (2007).

Leonard, K., Agricultural and Consumer Economics Department Seminar, "Improving health outcomes by choosing better doctors: Evidence of social learning about doctor quality from rural tanzania." (2007).

Leonard, K., Spatial Analysis Group, Maryland Population Research Council, "Spatial analysis and learning from others about quality in rural health facilities in Tanzania." (2006).

- Leonard, K., Das, J., World Bank, Poverty Reduction Group, "Using vignettes to measure the quality of health care." (2006).
- Leonard, K., Masatu, M. C., Vialou, A., "Getting doctors to do their best: Ability, altruism and incentives." (2005).
- Leonard, K., Masatu, M. C., Vialou, A., Presentation Center for Global Development, "Getting doctors to do their best: Ability, altruism and incentives." (2005).
- Leonard, K., University of Maryland Department of Economics, Development Seminar, "Social learning in health care: Evidence from Tanzania." (2004).
- Leonard, K., Mariam, D. H., Development Economics Brown Bag Seminar, "Bypassing health facilities in rural Tanzania: Empirical evidence of learning." (2004).
- Leonard, K., Mariam, D. H., Maryland Population Research Council, "Bypassing health facilities in rural Tanzania: Empirical evidence of learning." (2004).
- Leonard, K., Masatu, M. C., Africana Social Science Seminar Series, "Knowledge and practice in health care: Why do doctors who know what to do not do it?." (2003).
- Leonard, K., Masatu, M. C., Development Research Group, "Knowledge and practice in health care: Why do doctors who know what to do not do it?." (2003).
- Leonard, K., "'active patients' in rural African health care: Implications for welfare, policy and privatization." (2001).
- Leonard, K., Department of Economics, "African traditional healers and outcome-contingent contracts in health care." (2000).
- Leonard, K., Department of Economics, "African traditional healers and outcome-contingent contracts in health care." (2000).
- Leonard, K., African Studies Center, "African traditional healers, incentives and skill in health care delivery." (1999).
- Leonard, K., Africana Seminar Series, "African traditional healers, incentives and skill in health care delivery." (1999).
- Leonard, K., Development Research Group, The World Bank, "African traditional healers, incentives and skill in health care delivery." (1999).
- Leonard, K., Institute for Economic Development Seminar Series, "Health care in rural Cameroun: Structural estimation of production in teams with unobservable effort." (1999).
- Leonard, K., Columbia University Applied Microeconomics Seminar Series, "Institutional solutions to the principal-agent problem in African health care." (1998).
- Leonard, K., African Studies Center, "Health care in rural Cameroun: Structural estimation of production in teams with unobservable effort." (1996).

### II.E.3. Refereed Presentations

- Leonard, K., Advanced in Field Experiments, "The Intrinsic Demand for Agency and Female Empowerment," University of Chicago, on-line. (2020).
- Brock, J. Michelle, Lange, A., Leonard, K., Southern Economics Association Annual Meetings, "Generosity norms and intrinsic motivation in health care provision: Evidence from the laboratory and field." (2013).
- Leonard, K., Southern Economics Association Annual Meetings, "Intrinsic incentives and motivation: Are nicer or happier health workers actually better." (2013).
- Leonard, K., Masatu, M. C., Global Symposium on Health Systems Research, "Assessing motivation for high quality care in low income countries." (2012).

Leonard, K., Masatu, M. C., Prince Mahidol Award Conference, "Assessing motivation for high quality care in low income countries." (2012).

Brock, J. Michelle, Lange, A., Leonard, K., "Activating social preferences: Evidence from a field experiment with doctors in Tanzania." (2011).

Brock, J. Michelle, Lange, A., Leonard, K., Economic Sciences Association Meetings, "Activating social preferences: Evidence from a field experiment with doctors in Tanzania." (2011).

Brock, J. Michelle, Lange, A., Leonard, K., 3rd International Conference on Health Financing in Developing and Emerging Countries: CERDI-Cnrs, "Activation de préférences sociales: Témoignage d'une expérience sur le terrain avec des médecins en Tanzanie." (2011).

Flory, J., Leonard, K., Economic Sciences Association Meetings, "Outgrowing the gender gap in competitiveness." (2011).

Leonard, K., North East Universities Development Consortium, "Using the Hawthorne effect to examine the gap between a doctor's best possible practice and actual performance." (2008).

Leonard, K., "Do faith based NGOs represent a replicable example for the delivery of public services?." (2007).

Leonard, K., Western Economics Association International, "Gender and competition: The role of socialization." (2007).

Leonard, K., Duke University Development Mini-Conference, "Improving health outcomes by choosing better doctors: Evidence of social learning about doctor quality from rural Tanzania." (2007).

Leonard, K., North East Universities Development Consortium, "Improving health outcomes by choosing better doctors: Evidence of social learning about doctor quality from rural Tanzania." (2007).

Leonard, K., "Learning about unobservable quality: Empirical evidence from choice of health facilities in Tanzania." (2004).

Leonard, K., Mariam, D. H., "Bypassing health facilities in rural Tanzania: Empirical evidence of learning." (2004).

Leonard, K., Mariam, D. H., "Bypassing health facilities in rural Tanzania: Empirical evidence of learning." (2004).

Leonard, K., Leonard, D. K., New Institutional Theory, Institutional Reform and Poverty Reduction, DESTIN, LSE, "The political economy of improving health care for the poor in rural Africa: Institutional solutions to the principal-agent problem." (2000).

Leonard, K., Mliga, G., Health Systems Financing in Low-income African and Asian Countries, CERDI, "Bypassing health centers in Tanzania: Revealed preference for quality." (2000).

Leonard, K., Mliga, G., Opportunities in Africa, Centre for the Study of African Economies, "Health centre bypassing in Tanzania: revealed preferences for organizational form." (2000).

Leonard, K., Annual Bank Conference on Development Economics (ABCDE), "Institutional solutions to the principal-agent problem in African health care." (1999).

Leonard, K., North East Universities Development Consortium, "Institutional solutions to the principal-agent problem in African health care." (1999).

Leonard, K., North East Universities Development Consortium, "Contractual structure of health care in rural Cameroun." (1998).

Leonard, K., African Studies Association Meetings, "Institutional solutions to the principal-agent problem in African health care." (1996).

Leonard, K., African Studies Association Meetings, "Institutional structure of health care in rural Cameroun: Structural estimation of production in teams with unobservable effort." (1996).

Leonard, K., North East Universities Development Consortium, "Institutional structure of health care in rural Cameroun: Structural estimation of production in teams with unobservable effort." (1996).

Leonard, K., American Agricultural Economics Association Meetings, "Contractual structure of health care in rural Cameroun." (1994).

#### II.E.12. Non-Refereed Panels

Leonard, K., Bedia, E., Hassanein, A., Jallow, A., Lansing, S., Preonas, L., Bringing Renewable Energy Access to Rural Communities: Challenges & Opportunities, "Bringing Renewable Energy Access to Rural Communities: Challenges & Opportunities," University of Maryland, College of Agriculture and Natural Resources (virtual panel discussion), College Park, MD, United States. (October 15, 2021).

#### II.E.13. Symposia

Leonard, K., iHEA, "The Three Gap Model of Health Worker Motivation," iHEA, Basel, Switzerland. (August 14, 2019).

Leonard, K., Masatu, M. C., Improving Quality, Improving Outcomes, "Can Measurement Increase Quality." (September 2015).

Leonard, K., Washington Area Development Economics Symposium, "Shelterbelts: Discussion." (April 2015).

Leonard, K., The Quality of Health Services & Products in Low Income Countries, "Are kinder doctors better? the importance of intrinsic and extrinsic motivation in the provision of quality care in low income countries." (2014).

Leonard, K., Service Delivery Conference, "Improving access and quality of health care in rural settings: Decentralizing the health system or recruiting more health workers." (2008).

Leonard, K., Human Development Week, "Improving access and quality of health care in rural settings: Decentralizing the health system or recruiting more health workers?." (2008).

Leonard, K., Innovations in Health Care Research, "'Active Patients' in Rural African Health Care: Implications for Welfare, Policy and Privatization." (2001).

Leonard, K., Annual Bank Conference on Development Economics (ABCDE), "'Active Patients' in Rural African Health Care: Implications for Welfare, Policy and Privatization." (2000).

Leonard, K., Zivin, J. G., Innovations in Health Care Research, "Physician incentives and the choice of medical practitioner." (2000).

#### II.E.16. Other

Leonard, K., Human Development Week. (2008).

Leonard, K., Third Annual University Hunger Summit, The George Washington University Center for Global Health and The Alliance to End Hunger. (2008).

#### II.F. Professional and Extension Publications

##### II.F.1. Reports and Non-Refereed Monographs

Lemiere, C., Torsvik, G., Maestad, O., Herbst, C. H., Leonard, K. L. (2013). Evaluating the Impact of Results-Based Financing on Health Worker Performance : Theory, Tools and Variables to Inform an Impact Evaluation. in *World Bank Working Paper 98269*.

Lambert, J., Leonard, K. L. (2011). The Contribution of Traditional Herbal Medicine Practitioners to Kenyan Health Care Delivery Results from Community Health-Seeking Behavior Vignettes and a Traditional Herbal Medicine Practitioner Survey. in *The World Bank*.

##### II.F.9. Non-Refereed Journal Articles



Leonard, K. L., Serneels, P., Brock, J. M. (2013). Intrinsic Motivation. *The World Bank*, 255-283.

## II.F.10. Other

### II.G. Book Reviews, Notes, and Other Contributions

### II.H. Completed Creative Works and Scholarship

### II.J. Works in Progress

#### Scholarly works in a publication status other than Published

Leonard, K. L. (2015). How Human Behavior Affects Health Decisions. in *World Bank Soundcloud Podcast*.  
(Other - Published)

### II.K. Sponsored Research and Programs - Administered by the Office of Research Administration (ORA)

#### II.K.1. Grants

Madhavan, S. (Lead Investigator), Wagner, M. A. (Co-Investigator), Stoebenau, K. M. (Co-Investigator), Leonard, K. (Co-Investigator), "Kinship, Marriage and Child Outcomes in a Low Income Urban African Context," Sponsored by NIH-National Institute of Child Health and Human Development, 303999-00001. (September 19, 2020 - June 30, 2023).

Leonard, K. (Lead Investigator), "Construction of an LSMS-ISA Labor Panel Dataset for PIM Youth Employment Activity," Sponsored by International Food Policy Research Institute, 022349-00001. (September 3, 2014 - May 20, 2015).

Leonard, K. (Lead Investigator), "Menstrual Management & Sanitation Systems," Sponsored by Bill and Melinda Gates Foundation, 015737-00001. (February 18, 2011 - February 28, 2014).

Leonard, K. (Lead Investigator), "Menstrual Management & Sanitation Systems," Sponsored by Bill and Melinda Gates Foundation, 015737-00002. (February 18, 2011 - February 28, 2014).

Leonard, K. (Lead Investigator), "Cereal Price Forecasting in West Africa Using NASA Satellite Remote Sensing," Sponsored by NASA - Goddard Space Flight Center, 014959-00001. (July 8, 2010 - October 31, 2011).

Leonard, K. (Lead Investigator), "Cereal Price Forecasting in West Africa Using NASA Satellite Remote Sensing," Sponsored by NASA - Goddard Space Flight Center, 013240-00001. (June 30, 2009 - October 28, 2011).

#### II.K.2. Contracts

Leonard, K. (Lead Investigator), Uler, N. (Co-Investigator), "Mapping inequality of opportunity (IOp) to perceptions, and perceptions to actions a lab experiment," Sponsored by University System of Maryland Foundation Inc. (Prime: The World Bank), 029323-00001. (May 18, 2018 - June 30, 2021).

### II.L. Fellowships, Gifts, and Funded Research not administered by the ORA.

### II.M. Centers for Research, Scholarship, and Creative Activities

## **III. Teaching, Extension, Mentoring, and Advising**

### III.A. Courses Taught

AREC365 0101 (Fall 2022), World Hunger, Population, and Food Supplies. 141 enrolled.

AREC847 0101 (Fall 2022), Networks, Social Learning and Technology Adoption. 6 enrolled.

AREC899 0126 (Summer 1 2022), Doctoral Dissertation Research. 1 enrolled.

AREC899 2601 (Spring 2022), Doctoral Dissertation Research. 3 enrolled.

AREC260 0101 (Fall 2021), The Science of Gender in Economics and Development. 75 enrolled.

AREC365 0101 (Fall 2021), World Hunger, Population, and Food Supplies. 212 enrolled.

AREC365 ESG1 (Fall 2021), World Hunger, Population, and Food Supplies. 9 enrolled.

AREC365 ESG2 (Fall 2021), World Hunger, Population, and Food Supplies. 4 enrolled.

AREC899 2601 (Fall 2021), Doctoral Dissertation Research. 3 enrolled.

AREC898 2601 (Spring 2021), Pre-Candidacy Research. 1 enrolled.

AREC899 2601 (Spring 2021), Doctoral Dissertation Research. 3 enrolled.

AREC365 0101 (Fall 2020), World Hunger, Population, and Food Supplies. 332 enrolled.

AREC847 0101 (Fall 2020), Networks, Social Learning and Technology Adoption. 6 enrolled.

AREC899 2601 (Fall 2020), Doctoral Dissertation Research. 3 enrolled.

AREC898 2601 (Spring 2020), Pre-Candidacy Research. 2 enrolled.

AREC899 2601 (Spring 2020), Doctoral Dissertation Research. 1 enrolled.

AREC898 2601 (Fall 2019), Pre-Candidacy Research. 2 enrolled.

AREC899 2601 (Fall 2019), Doctoral Dissertation Research. 1 enrolled.

AREC899 0226 (Summer 2 2019), Doctoral Dissertation Research. 1 enrolled.

AREC898 2601 (Spring 2019), Pre-Candidacy Research. 3 enrolled.

AREC899 2601 (Spring 2019), Doctoral Dissertation Research. 1 enrolled.

AREC365 0101 (Fall 2018), World Hunger, Population, and Food Supplies. 296 enrolled.

AREC699 2601 (Fall 2018), Special Problems in Agricultural and Resource Economics. 2 enrolled.

AREC898 2601 (Fall 2018), Pre-Candidacy Research. 1 enrolled.

AREC899 2601 (Fall 2018), Doctoral Dissertation Research. 1 enrolled.

AREC899 0126 (Summer 1 2018), Doctoral Dissertation Research. 1 enrolled.

AREC898 2601 (Spring 2018), Pre-Candidacy Research. 1 enrolled.

AREC899 2601 (Spring 2018), Doctoral Dissertation Research. 1 enrolled.

AREC365 0101 (Fall 2017), World Hunger, Population, and Food Supplies. 296 enrolled.

AREC846 0101 (Fall 2017), Development Microeconomics. 6 enrolled.

AREC898 2601 (Fall 2017), Pre-Candidacy Research. 1 enrolled.

AREC699 2601 (Spring 2017), Special Problems in Agricultural and Resource Economics. 1 enrolled.

AREC898 2601 (Spring 2017), Pre-Candidacy Research. 1 enrolled.

AREC899 2601 (Spring 2017), Doctoral Dissertation Research. 1 enrolled.

AREC365 0101 (Fall 2016), World Hunger, Population, and Food Supplies. 295 enrolled.

AREC846 0101 (Fall 2016), Development Microeconomics. 5 enrolled.

AREC899 2601 (Fall 2016), Doctoral Dissertation Research. 2 enrolled.

AREC898 0238 (Summer 2 2016), Pre-Candidacy Research. 1 enrolled.

AREC899 0226 (Summer 2 2016), Doctoral Dissertation Research. 1 enrolled.

AREC899 0126 (Summer 1 2016), Doctoral Dissertation Research. 1 enrolled.

AREC846 0101 (Spring 2016), Development Microeconomics. 4 enrolled.

AREC899 2601 (Spring 2016), Doctoral Dissertation Research. 3 enrolled.

AREC365 0101 (Fall 2015), World Hunger, Population, and Food Supplies. 297 enrolled.

AREC899 2601 (Fall 2015), Doctoral Dissertation Research. 1 enrolled.

AREC899 0226 (Summer 2 2015), Doctoral Dissertation Research. 1 enrolled.

AREC899 0126 (Summer 1 2015), Doctoral Dissertation Research. 1 enrolled.

AREC489G 0101 (Spring 2015), Special Topics in Agricultural and Resources Economics - Sustainable Economic Development. 43 enrolled.

AREC898 2601 (Spring 2015), Pre-Candidacy Research. 1 enrolled.

AREC899 2601 (Spring 2015), Doctoral Dissertation Research. 2 enrolled.

AREC365 0101 (Fall 2014), World Hunger, Population, and Food Supplies. 298 enrolled.

AREC846 0101 (Fall 2014), Development Microeconomics. 5 enrolled.

AREC899 2601 (Fall 2014), Doctoral Dissertation Research. 3 enrolled.

AREC898 0238 (Summer 2 2014), Pre-Candidacy Research. 1 enrolled.

AREC899 0126 (Summer 1 2014), Doctoral Dissertation Research. 1 enrolled.

AREC899 2601 (Spring 2014), Doctoral Dissertation Research. 5 enrolled.

AREC345 0101 (Fall 2013), Global Poverty and Economic Development. 77 enrolled.

AREC365 0101 (Fall 2013), World Hunger, Population, and Food Supplies. 300 enrolled.

AREC899 2601 (Fall 2013), Doctoral Dissertation Research. 4 enrolled.

AREC899 0226 (Summer 2 2013), Doctoral Dissertation Research. 2 enrolled.

AREC899 2601 (Spring 2013), Doctoral Dissertation Research. 5 enrolled.

AREC365 0101 (Fall 2012), World Hunger, Population, and Food Supplies. 294 enrolled.

AREC846 0101 (Fall 2012), Development Microeconomics. 2 enrolled.

AREC898 2601 (Fall 2012), Pre-Candidacy Research. 1 enrolled.

AREC899 2601 (Fall 2012), Doctoral Dissertation Research. 5 enrolled.

AREC898 2601 (Spring 2012), Pre-Candidacy Research. 1 enrolled.

AREC899 2601 (Spring 2012), Doctoral Dissertation Research. 4 enrolled.

AREC898 2601 (Fall 2011), Pre-Candidacy Research. 2 enrolled.

AREC899 2601 (Fall 2011), Doctoral Dissertation Research. 3 enrolled.

AREC899 0226 (Summer 2 2011), Doctoral Dissertation Research. 2 enrolled.

AREC898 2601 (Spring 2011), Pre-Candidacy Research. 3 enrolled.

AREC899 2601 (Spring 2011), Doctoral Dissertation Research. 5 enrolled.

AREC365 0101 (Fall 2010), World Hunger, Population, and Food Supplies. 257 enrolled.

AREC388 3103 (Fall 2010), Honors Thesis Research. 1 enrolled.

AREC399 2601 (Fall 2010), Special Problems. 1 enrolled.

AREC699 2601 (Fall 2010), Special Problems in Agricultural and Resource Economics. 1 enrolled.

AREC846 0101 (Fall 2010), Development Microeconomics. 5 enrolled.

AREC898 2601 (Fall 2010), Pre-Candidacy Research. 4 enrolled.

AREC899 2601 (Fall 2010), Doctoral Dissertation Research. 4 enrolled.

AREC898 0238 (Summer 2 2010), Pre-Candidacy Research. 1 enrolled.

AREC388 3103 (Spring 2010), Honors Thesis Research. 1 enrolled.

AREC898 2601 (Spring 2010), Pre-Candidacy Research. 5 enrolled.

AREC899 2601 (Spring 2010), Doctoral Dissertation Research. 3 enrolled.

### III.B. Teaching Innovations

#### III.B.4. Software, Applications, Online Education, etc.

Angulo, Juan Proposal to develop online and hybrid versions of AREC 365: World Hunger, Population and Food Supplies, AREC365, June 2020 - August 2020.

Challenge addressed: Facilitation conversation between faculty and student and among students in an online format.

#### III.B.6. Course or Curriculum Development

Developing and teaching an I-Series Course, AREC260, August 2021 - December 2021.

Challenge addressed: There is no course at UMD on gender taught from an economics perspective. The methods of learning about gender should be accessible to freshmen and sophomores.

### III.C. Advising: Research or Clinical

#### III.C.3. Doctoral

- Committee Chair; Noh, Haeyun Ph.D. Agricultural and Resource Economics (August 1, 2022).
- Committee Chair; Castro Zarzur, Rosa Ph.D. Agricultural and Resource Economics (May 1, 2022).
- Committee Member; Gan, Tianqi Ph.D. Agricultural and Resource Economics (May 1, 2022).
- Committee Chair; Ibnat, Fabliha Ph.D. Agricultural and Resource Economics (May 1, 2022).
- Dean's Representative; Sheikomar, Olfat Bakur Ph.D. Nutrition and Food Science: Nutrition (May 1, 2022).
- Committee Member; Vega Monge, Melissa Vanessa Ph.D. Agricultural and Resource Economics (December 20, 2021).
- Dean's Representative; Joshi, Omkar Ph.D. Sociology (May 21, 2021).
- Dean's Representative Yes; Hompashe Dumisani Ph.D. Faculty of Economic and Management Sciences, Stellenbosch University, South Africa (May 1, 2021).
- Dean's Representative; Zahra, Fatima Ph.D. Sociology (December 17, 2019).
- Committee Chair; Bin Bakhtiar, Mohammed Mehrab Ph.D. Agricultural and Resource Economics (August 16, 2019).
- Dean's Representative; Velez Ferro, Santiago Ph.D. Economics (August 16, 2019).
- Committee Chair; Qi, Yuandong Ph.D. Agricultural and Resource Economics (May 24, 2019).
- Dean's Representative; Tolina, Eyob Tekalign Ph.D. Policy Studies (May 24, 2019).
- Dean's Representative; Wambogo, Edwina Adhiambo Ph.D. Nutrition and Food Science: Nutrition (December 18, 2018).
- Committee Co-Chair; Balakrishnan, Uttara Ph.D. Agricultural and Resource Economics (August 17, 2018).
- Dean's Representative; Tonguc, Ozlem Ph.D. Economics (August 18, 2017).
- Committee Member; Brudevold-Newman, Andrew Ph.D. Agricultural and Resource Economics (May 21, 2017).
- Dean's Representative; Espinoza Gonzalez, Ricardo Andres Ph.D. Economics (May 21, 2017).
- Committee Chair; Yang, Ziyang Ph.D. Agricultural and Resource Economics (May 21, 2017).
- Committee Chair; Ordonez, Romina Valeria Ph.D. Agricultural and Resource Economics (December 20, 2016).
- Dean's Representative; Quistorff, Brian Ph.D. Economics (May 18, 2016).
- Committee Member; Ali, Rubaba Ph.D. Agricultural and Resource Economics (December 19, 2015).
- Committee Member; Pieralli, Simone Ph.D. Agricultural and Resource Economics (August 21, 2015).
- Committee Chair; Tsaneva, Magda Rumeno Ph.D. Agricultural and Resource Economics (August 21, 2015).
- Dean's Representative; Myroniuk, Tyler Wiktor Ph.D. Sociology (May 21, 2015).
- Dean's Representative; Szott, Aaron Matthew Ph.D. Economics (May 21, 2015).
- Committee Co-Chair; Wong, Po Yin Ph.D. Agricultural and Resource Economics (May 21, 2015).
- Committee Chair; Nakasone, Eduardo Adolfo Ph.D. Agricultural and Resource Economics (December 20, 2014).

Committee Member; Sebastian, Ashwini Rekha Ph.D. Agricultural and Resource Economics (December 20, 2014).

Committee Chair; Gunes, Pinar Mine Ph.D. Agricultural and Resource Economics (August 22, 2014).

Committee Chair; Datta, Upamanyu Ph.D. Agricultural and Resource Economics (May 22, 2014).

Committee Member; Kaul, Tara Ph.D. Economics (May 22, 2014).

Committee Member; Sylvia, Sean Yuji Ph.D. Agricultural and Resource Economics (May 22, 2014).

Dean's Representative; Knaup, Amy Elizabeth Ph.D. Economics (December 21, 2013).

Committee Chair; Essam, Timothy M Ph.D. Agricultural and Resource Economics (August 16, 2013).

Dean's Representative; Liu, Yiyan Ph.D. Economics (August 16, 2013).

Committee Member; Palacios Lopez, Amparo Ph.D. Agricultural and Resource Economics (August 16, 2013).

Committee Member; Tran, Trang Thu Ph.D. Agricultural and Resource Economics (August 16, 2013).

Committee Chair; Flory, Jeffrey Allen Ph.D. Agricultural and Resource Economics (August 1, 2011).

Dean's Representative; Alpert, Abby Elizabeth Ph.D. Economics (July 1, 2011).

Committee Chair; Brock, Judith Michelle Ph.D. Agricultural and Resource Economics (July 1, 2011).

Dean's Representative; Douoguih, Kahwa Catharine Ph.D. Economics (July 1, 2011).

Committee Chair; Vasilaky, Kathryn Nadine Ph.D. Agricultural and Resource Economics (July 1, 2011).

Dean's Representative; Hobdari, Niko Ph.D. Economics (January 1, 2011).

### III.D. Mentorship

#### III.D.1. Junior Faculty

Cory Smith (Junior Faculty). August 2021 - December 2026.

Sharan Mamidipudi (Junior Faculty). August 2021 - December 2026.

Jing Cai (Junior Faculty). August 2018 - September 2020.

#### III.D.2. Other

Snaebjorn Gunsteinsson. August 2014.

Pam Jakiela. August 2012.

## IV. **Service and Outreach**

### IV.A. Editorships, Editorial Boards, and Reviewing Activities

#### IV.A.2. Editorial Boards

Editorial Board Member, Agricultural and Resource Economics Review. (2005 - Present).

#### IV.A.3. Reviewing Activities for Journals and Presses

Agricultural and Resource Economics Review, American Economic Journal Applied Economics, American Economic Journal: Applied Economics, American Economic Journal: Economic Policy, American Economic Review(3), American Journal of Agricultural Economics, BMC Health Services Research(2), Bulletin of the World Health Organization, CESifo Economic Studies, Contemporary Economic Policy, Econometrica,

Economic Development and Cultural Change(7), Economic Journal(2), Economics of Governance, European Journal of Health Economics, Food Policy, Health Affairs, Health Economics(3), Health Policy and Planning, INQUIRY, International Journal of Health and Economics Management, International Journal of Health and Human Rights, International Journal of Quality in Health Care, Journal of African Economies, Journal of Applied Economics, Journal of Clinical Epidemiology, Journal of Comparative Economics, Journal of Computational Social Science, Journal of Development Economics(7), Journal of Development Studies, Journal of Economic Behavior and Organization(2), Journal of Economics and Culture, Journal of Health Economics, Journal of Political Economy(6), Journal of Rural Studies, Journal of the European Economic Association, Journal of Agricultural Extension and Education, Letters in Spatial and Resource Sciences, Management Science(2), Mathematical and Social Sciences, NSF (grant applications), Quarterly Journal of Economics, Review of Development Economics, Review of Economics and Statistics, Scandinavian Journal of Economics, Social Science and Medicine(4), The Economic Journal, World Bank Economic Review, World Development(5),

#### IV.A.3. Reviewing Activities for Journals and Presses (details)

Reviewer, Social Science and Medicine. (October 2022).

Reviewer, Journal of Political Economy. (September 2022).

Reviewer, American Economic Review. (August 2022).

Reviewer, American Economic Journal Applied Economics. (July 2022).

Reviewer, Economic Development and Cultural Change. (July 2022).

Reviewer, Food Policy. (June 2022).

Reviewer, World Development. (June 2022).

Reviewer, Journal of Development Economics. (May 2022).

Reviewer, Economic Development and Cultural Change. (February 2022).

Reviewer, Letters in Spatial and Resource Sciences. (February 2022).

Reviewer, Economic Development and Cultural Change. (January 2022).

Reviewer, Journal of Development Economics. (January 2022).

Reviewer, Economic Development and Cultural Change. (December 2021).

Reviewer, American Economic Review. (November 2021).

Reviewer, Journal of Political Economy. (November 2021).

Reviewer, World Development. (November 2021).

Reviewer, Health Economics. (September 2021).

Reviewer, Journal of Development Economics. (September 2021).

Reviewer, Journal of Development Economics. (July 2021).

Reviewer, Journal of Economic Behavior and Organization. (July 2021).

Reviewer, Journal of the European Economic Association. (June 2021).

Reviewer, Social Science and Medicine. (April 2021).

Reviewer, Health Economics. (February 2021).

Reviewer, Journal of Political Economy. (February 2021).



Reviewer, World Development. (January 2021).

Reviewer, American Economic Journal: Applied Economics. (2020).

Reviewer, Contemporary Economic Policy. (2020).

Reviewer, Economic Development and Cultural Change. (2020).

Reviewer, Health Economics. (2020).

Reviewer, Journal of Development Economics. (2020).

Reviewer, Journal of Economic Behavior and Organization. (2020).

Reviewer, Journal of Political Economy. (2020).

Reviewer, Journal of Political Economy. (2020).

Reviewer, Review of Economics and Statistics. (2020).

Reviewer, Social Science and Medicine. (2020).

Reviewer, The Economic Journal. (2020).

Reviewer, World Development. (2020).

Reviewer, American Journal of Agricultural Economics. (2019).

Reviewer, BMC Health Services Research. (2019).

Reviewer, Bulletin of the World Health Organization. (2019).

Reviewer, Economic Development and Cultural Change. (2019).

Reviewer, Economic Journal. (2019).

Reviewer, INQUIRY. (2019).

Reviewer, Journal of Clinical Epidemiology. (2019).

Reviewer, Journal of Computational Social Science. (2019).

Reviewer, Journal of Development Economics. (2019).

Reviewer, Journal of Political Economy. (2019).

Reviewer, Management Science. (2019).

Reviewer, World Development. (2019).

Reviewer, Agricultural and Resource Economics Review. (2018).

Reviewer, American Economic Journal: Economic Policy. (2018).

Reviewer, American Economic Review. (2018).

Reviewer, BMC Health Services Research. (2018).

Reviewer, CESifo Economic Studies. (2018).

Reviewer, Econometrica. (2018).

Reviewer, Economic Development and Cultural Change. (2018).

Reviewer, Economic Journal. (2018).

Reviewer, European Journal of Health Economics. (2018).

Reviewer, Health Affairs. (2018).

Reviewer, Health Policy and Planning. (2018).

Reviewer, International Journal of Quality in Health Care. (2018).

Reviewer, Journal of African Economies. (2018).

Reviewer, Journal of Applied Economics. (2018).

Reviewer, Journal of Comparative Economics. (2018).

Reviewer, Journal of Development Economics. (2018).

Reviewer, Journal of Development Studies. (2018).

Reviewer, Journal of Economics and Culture. (2018).

Reviewer, Journal of Health Economics. (2018).

Reviewer, Journal of Rural Studies. (2018).

Reviewer, Journal of Agricultural Extension and Education. (2018).

Reviewer, NSF (grant applications). (2018).

Reviewer, Quarterly Journal of Economics. (2018).

Reviewer, Scandinavian Journal of Economics. (2018).

Reviewer, Social Science and Medicine. (2018).

Reviewer, World Bank Economic Review. (2018).

Reviewer, Economics of Governance. (2015).

Reviewer, International Journal of Health and Economics Management. (2015).

Reviewer, International Journal of Health and Human Rights. (2015).

Reviewer, Management Science. (2015).

Reviewer, Mathematical and Social Sciences. (2015).

Reviewer, Review of Development Economics. (2015).

#### IV.B. Committees, Professional & Campus Service

##### IV.B.1. Campus Service - Department

Member, Faculty Advisory Committee (AGNR-Agricultural & Resource Economics). September 2021 - May 2023.

Chair, APT committee for Neslihan Uler, promotion to Associate Professor (AGNR-Agricultural & Resource Economics). January 2022 - November 2022.

Committee Chair, Director of Administrative Services Search Committee. January 2022 - May 2022.

Committee Member, Undergraduate Committee (AGNR-Agricultural & Resource Economics). August 2020 - July 2021.

Chair, Graduate Committee. 2013 - 2015.

Chair, Full, Associate and Assistant faculty Search Committee. 2009 - 2011.

Other, Human Subjects Review Committee. 2007 - 2011.

Other, Graduate placement committee. 2009 - 2010.

Chair, Seminar Committee. 2008 - 2009.

Other, First Year Qualifying Paper Committee. 2007 - 2009.

Other, Econometrics Qualifying Exam committee. 2003 - 2005.

#### IV.B.2. Campus Service - College

Coordinator, Global Poverty Minor (AGNR-College of Agriculture & Natural Resources). September 2021 - May 2023.

Director, Global Poverty Minor (AGNR-College of Agriculture & Natural Resources). September 2015 - May 2023.

#### IV.B.3. Campus Service - University

Committee Member, Global Studies Minors. August 2020 - July 2023.

Reviewer, Grand Challenges -- Team and Individual Project Grants. November 2022 - January 2023.

Member, Fulbright Program Mentoring and Advising. 2012 - 2022.

Reviewer, University Medal Review. March 2022 - April 2022.

#### IV.B.6. Inter-institutional and Regional

Member, Review of Proposal for Master's of Development Practice, University of California at Berkeley 2011.

#### IV.B.7. Offices and Committee Memberships

AAEA outstanding dissertation award committee 2009 - 2013.

American Agricultural Economic Association Dissertation Excellence Award review committee 2009 - 2013.

Center for Global Development, Global Health Policy Research Network 2006 - 2008.

#### IV.B.9. Other Non-University Committees, Memberships, Panels, etc.

#### IV.C. External Service and Consulting

##### IV.C.1. Community Engagements, Local, State, National

Participant, Morgan State University. (February 2021 - Present).

##### IV.C.2. International Activities

Participant, African Economic Research Consortium, Nairobi. (April 2020 - September 2022).

Participant, The Department of State, Bureau of Educational and Cultural Affairs. (May 2021 - October 2021).

Organizer, Bureau for Research and Economic Analysis of Development, College Park, MD, with Cai, J., Goldberg, J., Galiani, S., Parker, S. (January 2019 - May 2019).

IV.C.6. Other

IV.D. Non-Research Presentations

IV.D.1. Outreach Presentations

Leonard, K., "Building and Empathy Bridge," Global Public Health Colloquium, UMD. (2022).

Leonard, K., "Building and Empathy Bridge," Global Public Health Colloquium, UMD. (2021).

Leonard, K., "Building an Empathy Bridge," Global Public Health Colloquium, UMD. (2016).

Leonard, K., "Building an Empathy Bridge," Global Public Health Colloquium, UMD, College Park, MD, United States. (2015).

IV.D.2. Other

IV.E. Media Contributions

IV.E.4. Digital Media

Leonard, K. "*Health and Health Care in Developing Countries: Closing the Gaps*," HS Talks. (December 31, 2019).

**V. Public Engagement, Scholarship and Practice**

**VI. Other Information**