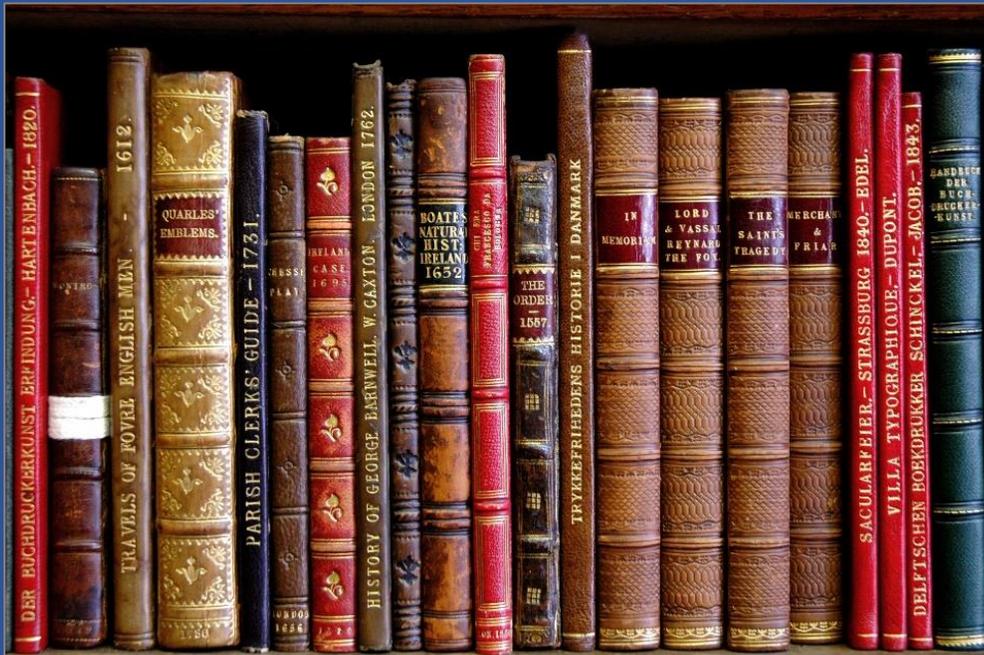


LASER PULSE

Long-term Assistance and Services for Research (LASER)
Partners for University-Led Solutions Engine (PULSE)

RESEARCH TRANSLATION ANNOTATED BIBLIOGRAPHY



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LASER PULSE Research Translation Annotated Bibliography

1. Aniekwe, Chika Charles; Hayman, Rachel; and Mdee, Anna; with Akuni, Job; Lall, Priya; and Stevens, Daniel. (September 2012). Academic-NGO Collaboration in International Development Research: A Reflection on the Issues. Working Paper. Retrieved from https://www.intrac.org/wpcms/wp-content/uploads/2016/09/Academic-NGO-Collaboration-in-International-Development_September-2012.pdf

This working paper draws upon existing literature and case studies documenting academic researcher and NGO practitioner collaboration. It attempts to answer questions such as: Why academics and practitioners collaborate; what is required for successful collaboration; what institutional and philosophical barriers exist to collaboration; and how can these barriers be overcome. This review shows that though there are many overlapping areas and exchange between the two worlds, intentional collaboration has had mixed results.

2. Bennett, G., & Nasreen, J. (Eds.). (2011). The knowledge translation toolkit: Bridging the know-do gap: a resource for researchers. New Delhi, India: SAGE Publications.

This book thoroughly explains, advises, and provides resources for healthcare knowledge translation. It is written for researchers to understand the complexities of effective knowledge translation with a focus on policy based action. This book is useful for researchers seeking a comprehensive resource for knowledge translation. Its broad approach to explaining knowledge translation, supported by real world examples, can be extrapolated to sectors outside of healthcare as well.

3. Butler, D. (2008). Translational research: Crossing the valley of death. *Nature*, 453(7197):840-842. <https://doi.org/10.1038/453840a>

In this article, the author describes the growing issue of biomedical research entities poorly connecting with clinicians and orienting research for uptake. They find a significant cause of this problem is lack of incentive for scientists to participate in clinical research and suggest creating clinical research centers with the mission of knowledge translation. This article is useful to understanding why there has been a lack of translational health care research. It provides the perspective of an individual research institute, describes research translation challenges, and offers solutions to these challenges.

4. Goldblatt, E., & Lee, WH. (2010). From bench to bedside: the growing use of translational research in cancer medicine. *American Journal of Translational Research*, 2(1), 1-18. Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/20182579>

This article describes several therapeutic agents in cancer treatment and other therapies which would benefit from translational research. The article stresses that collaboration between researchers, clinicians, and pharmaceutical companies is an essential driver in the progression of cancer therapies and diagnostics. This article is a useful reference for providing examples of knowledge translation application in medicine.

5. Mayne, R., Green, D., Guijt, I., Walsh, M., English, R., & Cairney, P. (2018). Using evidence to influence policy: Oxfam's experience. *Palgrave Communications*, 4:122. doi: 10.1057/s41599-018-0176-7

In this article, Oxfam researchers and advisors discuss how Oxfam has engaged in evidence-informed policy making through strategic translational research. The article gives a background on political systems which impede translational research, how to convey evidence for policy making, and ways to combine evidence with additional strategies to motivate change. This article is a useful resource for researchers who want to translate research based evidence to policy action. The authors offer an insightful perspective on prevalent hurdles to evidence-based policy making and clearly explain strategies to forgo these hurdles.

6. McLean, R., Graham, I., Tetroe, J., & Volmink J. (2018). Translating research into action: an international study of the role of research funders. *Health Research Policy and Systems*, 16:44. <https://doi.org/10.1186/s12961-018-0316-y>

This article explores how research funders in the health sector can and have supported knowledge translation through a review of 26 world-wide funding agencies. The review finds there is no standard for how funders promote knowledge translation and that a critical evaluation of knowledge translation is needed for funders to be able to appropriately address this challenge. This resource is useful for understanding strategies for funding agencies to support knowledge translation and how funding agencies impact knowledge translation. It details a multitude of ways knowledge translation is promoted and prioritized by various funding agencies.

7. Mijumbi-Deve, R., Ingabire, MG., & Sewankambo, N. (2017). Complexities of Knowledge Translation. In J. Georgalakis, J., Jessani, N., Oronje, R., & Ramalingam, B. (Eds.), *The Social Realities of Knowledge for Development: Sharing Lessons of Improving Development Processes with Evidence* (162-169)

Authors of this book chapter reflect on experiences of REACH-PI Uganda, a knowledge translation platform to support translational health care research in East Africa. They find for effective knowledge translation stakeholders must show long-term monetary investment and explicit support for knowledge translation. An in depth understanding of local contexts, strategic partners, and quality assurance is also necessary. This chapter is a good resource for individuals interested in learning about the success of rapid response mechanisms for evidence users. The authors outline REACH-PI Uganda's learning outcomes from using a rapid response mechanism for knowledge translation.

8. Mitton, C., Adair, C., McKenzie, E., Patten, S., & Wayne Perry, B. (2007). Knowledge Transfer and Exchange: Review and Synthesis of the Literature. *Milbank Quarterly*, 85(4), 729-768. <https://doi.org/10.1111/j.1468-0009.2007.00506.x>

This article reviews studies on knowledge transfer and exchange (KTE) for evidence based health care policy development. It finds that literature on KTE is inadequately backed by evidence to support best practices for KTE methods. This article is useful in reevaluating the efficacy of KTE resources for evidence based decision making. The article calls into question literature that does not back its KTE strategies through real world application and method analysis.

9. Searles, A., Doran, A., Attia, J., Knight, D., Wiggers, J., Deeming, S., ... Nilsson, M. (2016). An approach to measuring and encouraging research translation and research impact. *Health Research Policy and Systems*, 14:60. doi:10.1186/s12961-016-0131-2

This article evaluates existing frameworks for knowledge translation in the health sector to create a conceptual framework to measure and encourage knowledge translation. The study finds a mixed framework, FIAT, best measures research impact. This article is useful for funders or managers of research seeking a novel, structured method of evaluating effective knowledge transfer in research. The FIAT framework may be utilized as a guide to conceptual frameworks for non-health sector research.

10. Toribio, JA., Markham, R., Carter, L., Law, A., Alders, R., Dibley, M., Walton, M., Shuttleworth, L., & Guest, D. (2018). Research for development to improve health outcomes from agriculture for rural communities: what is needed?. *Food Security*, 10(3):661-675. <https://doi.org/10.1007/s12571-018-0787-2>

This article assesses how research for development in the intersection of health and agriculture can be improved through stronger interdisciplinary oriented programs. The authors identify development project case studies and Australian agencies that work in health and agriculture to discuss barriers to successful development outcomes. This article is useful for identifying Australian development actors with initiatives in nutrition-sensitive agriculture, as well as, offering case study examples of projects which benefited from a research-to-practice, multidisciplinary approach.

11. Translation Toolkit - A toolkit to facilitate translation planning from the start of a research project, prepared by: Harriet Hiscock, Sharon Goldfeld, Sarah Davies and the Healthcare Innovation Affinity Group, Murdoch Childrens Research Institute. September 2013. <https://www.scribd.com/document/397902683/Translation-Toolkit>

This resource provides a concise tool for applying research translation in the health sector. It describes a broad overview of knowledge translation and then a step-by-step guide to encourage research translation with a focus on stakeholder engagement. The toolkit is useful for research groups seeking a structured resource for knowledge translation.

12. Tufts Clinical and Translational Science Institute (n.d.) What is translational science?. Retrieved from <https://www.tuftsctsi.org/about-us/what-is-translational-science/>

This webpage article defines translational science, the translational spectrum, and research focus areas for the Tufts Clinical and Translational Science Institute. This resource is a useful introduction to what translational science is and how it is commonly defined in the health sector. The article clearly breaks down each of the translational blocks of the spectrum and shares types of translational research areas.

13. U.S. Agency for International Development. (2017). Impact Report for the Higher Education Solutions Network: Highlights and lessons learned from five years of programs. Retrieved from <https://www.usaid.gov/hesn>

This report details the outcomes of USAID Higher Education Solutions Network. It describes HESN Lab research, innovations, and evaluations across a wide array of disciplines by giving detailed descriptions of practices. The report is a good resource for individuals seeking to understand ways higher education institutions can be impactful in international development. In the report, invention spotlights give examples of specific research to practice innovations and descriptions of policy impact, student engagement, and capacity building share accomplishments and strategies for the field.

14. Young, D., & Borland, R. (2011). Conceptual challenges in the translation of research into practice: it's not just a matter of "communication". *Translational Behavioral Medicine*, 1(2):256-69. doi:10.1007/s13142-011-0035-1.

This article assesses barriers to knowledge translation for practice and policy in tobacco control research. The study finds the key challenge to knowledge translation is a communication deficit between researchers and practitioners stemming from researchers generalizing results and practitioners ineffectively applying generalizations to their specific needs. The results of this study may be applied to most knowledge translation contexts. This article is a useful resource for solutions to the communication deficit between researchers and practitioners.

Spreadsheet for resource categories:

https://docs.google.com/spreadsheets/d/1hfwTKt_4bOPE4O6h8Nngh_mS0fG7l2dJn6N6hCEhokQ/edit#gid=0