
Building an International Partnership to Develop a Research Program: Using a Theory- Driven Approach



uOttawa



Hong Ruan
Shanghai Ninth People's Hospital
Shanghai Jiao Tong University School of Medicine
ruanhong2003@163.com

Background

- Globalization is one of the megatrends increasing the cross-border flow of knowledge, ideas, and learning
- International research collaboration has become an important component of global health
- Mutual benefits with a sustainable and long-lasting outcome for the discipline, community, and country.



International research collaboration is challenging!


- Linguistic and cultural differences
- Geographical distance
- Different daily responsibilities
- Unique regulations in each institution
- Limited availability of funding

Partnerships, especially research-based, where the institutions are not using an appropriate development approach may result in no benefit, or a **great burden** being placed on the partnering institutions (Baumann, 2012; Parker & Kingori, 2016).

Knowledge gap

- Many publications on international education collaborations (Kulbok et al., 2012).
- Few publications on international research collaborations
- Few publications explained the collaborative process and theoretical underpinnings of international partnerships

Building an International Partnership to Develop Advanced Practice Nurses in Anesthesia Settings: Using a Theory-Driven Approach

Jiale Hu, MScN, RN^{1,2,*} , Yan Yang, MScN, RN^{1,3,*}, Michael D. Fallacaro, DNS, CRNA, FAAN², Brenda Wands, PhD, CRNA², Suzanne Wright, PhD, CRNA², Yiyang Zhou, MScN, RN⁴, and Hong Ruan, MScN, RN^{5,6}

Abstract

The International Federation of Nurse Anesthetists is calling for international collaboration to develop advanced nursing practice in anesthesia settings globally. However, international collaboration is challenging. Limited information is available about what process and factors specifically lead to a successful international collaboration partnership. This article aimed to describe a theoretical and empirical base that can be used to build and maintain long-term international partnerships. The Theoretical Framework of Developing International Partnerships was developed, which comprises seven interrelated concepts including partnerships, collaborations, environment, structure, process for collaborating, outcomes, and sustainability. It was used to guide an equitable horizontal collaboration partnership to develop anesthesia nursing care in local culture and context. Five major challenges were identified during the collaboration process. Sixty-six strategies were developed to facilitate collaboration using the theoretical framework. This work can inform others in establishing an international collaboration and partnership in advancing nursing knowledge and culturally congruent health care delivery.

Keywords

global health, nurse anesthetists, systems theory, anesthesiology, anesthesia, communication, evidence-based practice

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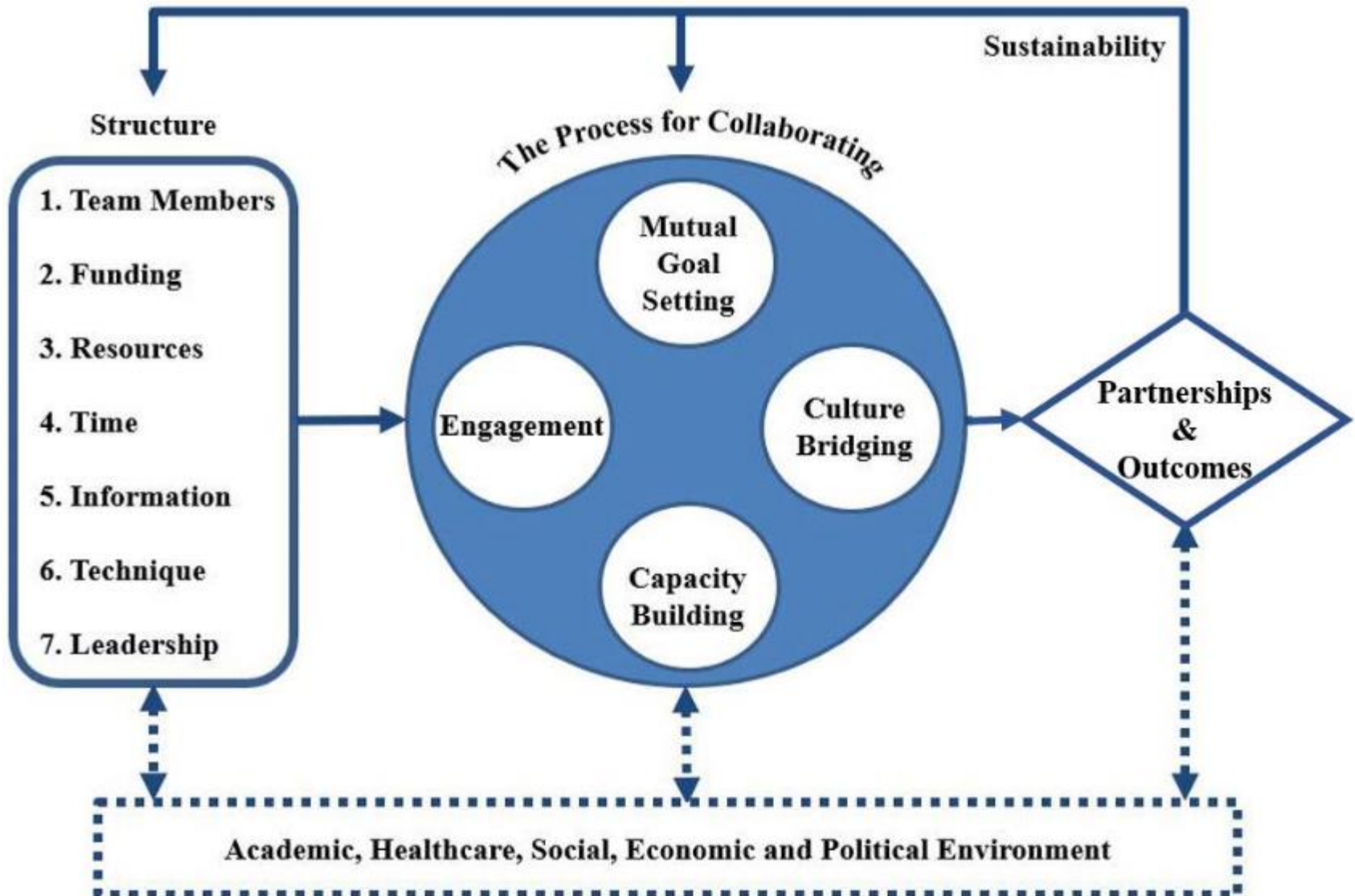
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Theoretical Framework of Developing International Partnerships

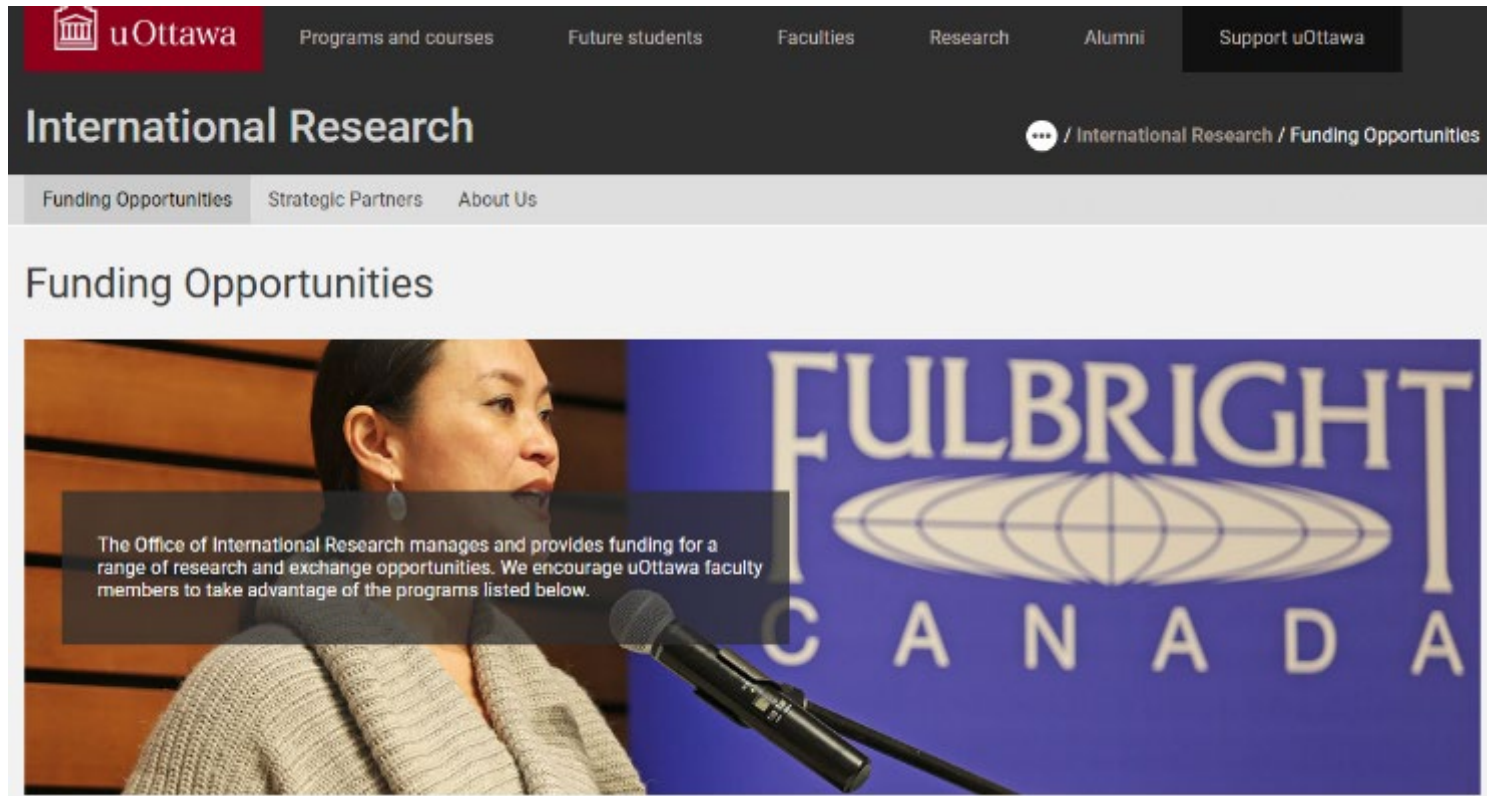




Collaboration in anesthesia nursing



Structure: Funding



2016: Environmental factors

Leadership

Pediatric pain management

Structure: Research Team/Time/Leadership

- **Shanghai Ninth People's Hospital:** Independent researchers, PhD and Master students, Clinical educators, Head nurses, Research nurses
- **University of Ottawa:** Professors, PhD and Bachelor students, Research assistants, Administrative assistants



Structure: Resources/Technique



上海交通大学医学院附属 第九人民医院
Shanghai Ninth People's Hospital, Shanghai JiaoTong University School of Medicine



Process: Engagement & Mutual goal setting



Université d'Ottawa | University of Ottawa
 Recherche internationale | International Research
 Vice-rectorat à la recherche | Office of the Vice-President, Research

2016 Call for Proposals - International VP-Research Funding programs

Application Package *(aussi disponible en français)*

Name of uOttawa Applicant	Wendy Gifford, PHD, RN
Academic Unit / Affiliated Institute	Faculty of Health Sciences, School of Nursing
Phone number and e-mail address	613-562-5800 ext 8975; wgifford@uottawa.ca

APPLICATION CHECKLIST

<input type="checkbox"/> 2016 Visiting Researchers Program	<input checked="" type="checkbox"/> 2016-18 International Research Acceleration Program	<input type="checkbox"/> 2016-20 Access to Research Networks Program
<input type="checkbox"/> VRP Application form	<input checked="" type="checkbox"/> IRAP Application form	<input type="checkbox"/> ARN Expression of Interest Form
<input type="checkbox"/> Letter of nomination from the applicant's Chair or Director of the units or affiliated institutes	<input checked="" type="checkbox"/> Letter of support from the applicant's Chair or Director of the units or affiliated institutes	<input type="checkbox"/> Letter of support from the applicant's Chair or Director of the units or affiliated institutes
<input type="checkbox"/> Letter of support from the Dean or Vice-Dean Research	<input checked="" type="checkbox"/> Letter of support from the Dean or Vice-Dean Research	<input type="checkbox"/> Letter of support from the Dean or Vice-Dean Research
<input type="checkbox"/> Visiting researcher's curriculum vitae	<input checked="" type="checkbox"/> Letter of support from the Vice-President, Research at the foreign institution	<input type="checkbox"/> Letter of support from academic lead collaborator at the foreign institution
<input type="checkbox"/> Signed RE form(s)	<input checked="" type="checkbox"/> Curriculum vitae of applicant and collaborators	<input type="checkbox"/> Curriculum vitae of the uOttawa applicant and of all key collaborators at uOttawa
	<input checked="" type="checkbox"/> Signed RE form(s)	<input type="checkbox"/> Key European or American partners
		<input type="checkbox"/> Signed RE form(s)



Appendix 1



Memorandum of understanding

Project Name: Leadership for implementing evidence based practices in pediatric pain management

Project Funding: 2016-2018 International Research Acceleration Program, International Vice-President -Research Funding programs, University of Ottawa

The core research team:

- Wendy Gifford, University of Ottawa
- Hong Ruan, Shanghai Ninth People's Hospital
- Denise Harrison, University of Ottawa
- Leilei Yu, Shanghai Ninth People's Hospital
- Jiale Hu, Shanghai Ninth People's Hospital & University of Ottawa

The purpose of this project is to establish an international research collaboration among the researchers at Shanghai Jintong University, Shanghai Ninth People's Hospital and University of Ottawa to develop leadership for implementing evidence based practices to improve pain management in children. The research team is aimed at developing research proposals for external funding to support the established long-term research partnership.

It is agreed that there are a few principles on the intellectual property rights in the project.

- Intellectual property rights of the project cover all results obtained within the project.
- All the research team shares the publication and the other the Intellectual Property.
- Authorship order should be discussed and agreed by all the team members. At least, Wendy Gifford, Denise Harrison, Leilei Yu, Jiale Hu will be the first author on one published article each, with the other team members co-authored on the articles. Hong Ruan will be the corresponding author on all of these published articles.

Signature of Applicant

Date

Wendy Gifford

2016-06-23

Hong Ruan

Hong Ruan 2016.06.23

Denise Harrison

Denise Harrison 2016/06/23

Leilei Yu

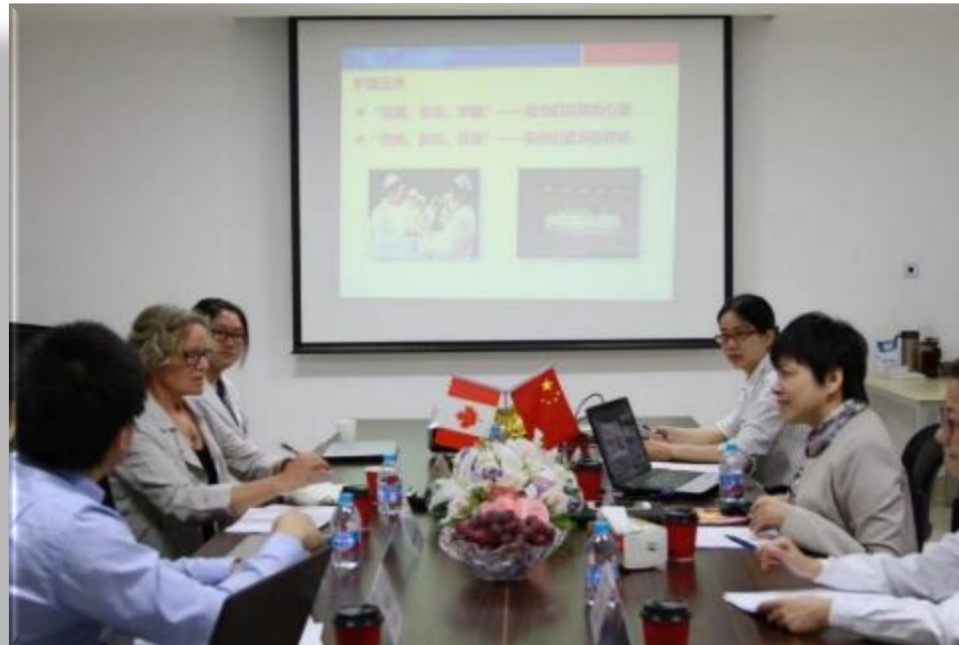
Leilei Yu 2016.06.23

Jiale Hu

Jiale Hu 2016.06.23

Process: Culture bridging

- Visiting Shanghai Ninth People's Hospital in 2017/05



- Intervention wards visit



- Visiting University of Ottawa in 2018/09
- Discussing the findings of the project and future collaboration



- Sharing findings at Ottawa
- Visiting Canadian Nurses Association



A cultural broker



Process: Capacity building

- Sino-Canadian Nursing Academic Conference



- Graduate student workshops

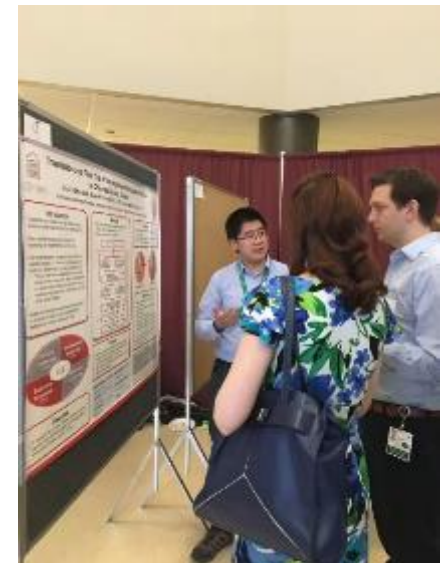
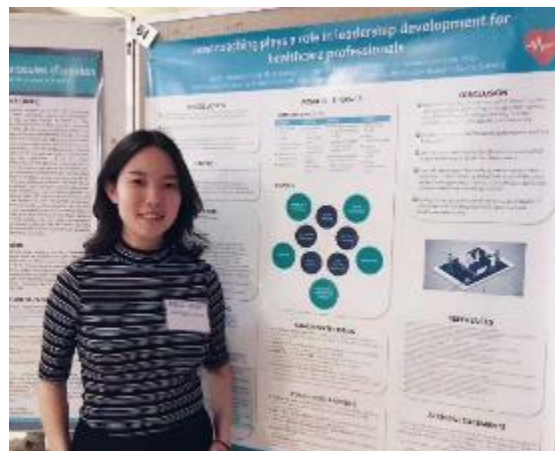


Outcomes

Publication: 2

- Hu J, Gifford W. Leadership behaviours play a significant role in implementing evidence-based practice. *J Clin Nurs*. 2018; 27: 7-8
- Hu, J, Gifford, W, Ruan, H, et al. Translation and linguistic validation of the implementation leadership scale in Chinese nursing context. *J Nurs Manag*. 2019; 00: 1– 9.

Expected manuscripts: 4



Sustainability: other funding

- Shanghai Jiao Tong University Medical School Nursing Highland Program-Young Reserve talents and International Exchange Fund (2017)
- Shanghai Jiao Tong University Medical School Nursing Highland Program-Postgraduate Innovation (2018)



2017/07



2018/07-2018/09

Sustainability: new funding

Develop New Collaboration Research Projects:

- Project 1: Conceptual analysis and Cross-sectional Survey of Implementation Leadership (Master research, funded by 2018 Shanghai Ninth People's Hospital, Nursing Fund Project)
- Project 2: Exploring implementation leadership in eastern and western nursing context: A mixed methods study (Doctoral research, funded by Shanghai Municipal Education Commission Funding for Discipline Development)

Welcome to Shanghai!



Thank You!

