

# NUS-Priority Research In Medical Education

## Is Bronfenbrenner's Ecological Systems Theory Useful for Understanding Interprofessional Collaboration?



Interprofessional Collaboration (IPC) improves patient care, but how it happens is not well understood. We used Bronfenbrenner's ecological systems theory to understand the factors that enable or inhibit IPC in NNI. We observed NNI healthcare professional (HCP) team interactions and interviewed some of them using purposive sampling. Thematic analysis was conducted and findings triangulated. Analysis from 52 hours of observations of inpatient and outpatient HCP teams (12 teams; n=60), and 23 hours of interviews (n=19) identified leadership as a crucial factor for IPC. Using Bronfenbrenner's theory, leadership factors influencing IPC was important at the meso- and macrosystem levels. Further analysis is ongoing.

### A/Prof Kevin TAN

Department of Neurology, National Neuroscience Institute

Dr Kevin Tan is a Senior Consultant Neurologist and Education Director at the National Neuroscience Institute (NNI) and Vice Chair (Education), Neuroscience Academic Clinical Program, Duke-NUS Medical School. He completed his Master of Science in Health Professions Education at MGH Institute of Health Professions. His medical education interests are team-based learning, teaching and assessment innovations, clinical reasoning and interprofessional education.

## Development and Evaluation of a Virtual Counselling Application for Communication Skills Training in Nursing Education



The ability of nursing undergraduates to communicate effectively with patients, healthcare providers, and family members are crucial to their nursing profession as it could affect patient outcomes. However, traditional use of didactic lectures for communication skills training is ineffective and the use of standardized patients are not time-cost effective. Given the ability of virtual patients to simulate an interactive and authentic clinical scenario in a secured environment with unlimited training attempts, this study aimed to develop and evaluate the effectiveness of a Virtual Counselling Application using Artificial Intelligence on students' attitudes, communication self-efficacies, and clinical performances.

### Dr Shefaly SHOREY

Alice Lee Centre for Nursing Studies, NUS Yong Loo Lin School of Medicine

Dr Shefaly Shorey is an Assistant Professor at ALCNS. Her research programme focuses on designing psychosocial and educational interventions for a varied group of the population. She has a keen interest in using Blended pedagogy, virtual and augmented reality in nursing education. Her research studies involve national and international collaborations. Dr Shorey has received various awards for her academic and research excellence.

**Date** : 3 August 2020 (Monday)  
**Time** : 12.30pm - 1.30pm (30mins each)



*This session will be conducted online*

**Each Speaker:**  
**20mins pre-recorded presentation +**  
**10mins 'Live' Q&A**

**Registration closes on 28 July 2020.**

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