

# **National and International Collaboration for Boosting Research**

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# Greetings from BV Pune



08-05-2023

Dr Vivek Saoji AIU Annual Conference USTM  
Mar 23



# Creating an Ecosystem for Research and Excellence



- *National and International Collaboration for Boosting Research*
- Ways to create research ecosystem on the campus
- Innovative methods and skills for impactful and socially relevant research



The founding principle of the university is a collaboration between learning and research.

-Wilhelm von Humboldt

The goal of education is developing an enquiring mind

*“The mind is not a vessel to be filled, but a fire to be kindled”  
(Plutarch, c46–127 AD).*



- The 'linking of teaching-research' is central to higher education
- Student *intellectual development* and *staff identity* can and should be developed by focusing on this 'linkage'
- However, effective teaching research links are *not automatic* and have to be constructed
- Academic departments/universities are central to developing the links between research in the discipline and student learning

Jenkins A, Healey M and Zetter R, 2007



# Research – Why?



- Deeper learning, Evidence based practice
- Improved teaching
- Creation of knowledge
- Establishing facts
- Expertise in the field
- Rigor of research
  - Grounded in literature
  - Systematic, methodical approach
  - Problem solving, generalizability
  - Scrutiny, critique, peer review, dissemination
  - Moving the field forward





# National and International Research Collaboration



- Envisioned in NEP 2020
- Learner centric
- Holistic, Multidisciplinary approach
- Integration, Interdisciplinary and transdisciplinary approach
- Focus on Research, Creation of Knowledge
- Collaborative approach
- Bringing best practices in HEI



# Collaboration – Why?

- Brings in different ideas and perspective – Brainstorming
- Pooling of resources
- Working on each other's strengths
- Each player can contribute something unique
- Adds an element of validity and generalizability
- A strong project, relevance – local to global
- Societal needs, applicability





# Our Experiences – At KLE University Belgaum Karnataka - National



- With ICMR – NITM
- Started on our campus, initially as RMRC and later as national institute
- Number of joint projects, sharing of resources
- Joint PhD Program
- High impact joint publications and funded projects
- Mutually beneficial, active, good understanding, good team



# Collaborating Institutions: India (10 in six states)





# KLE International Research Collaborations



- Initially with University of Illinois at Chicago USA 1999
- Joint Masters program (MHPE)
- Capacity building in HPE
- Significant investment
- Leading to number of joint multicenter research projects
- Initial funding from Global Network for Women Health

# Collaboration with University of Illinois at Chicago USA Medical Education and Perinatology February 1999



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# KLE International Research Collaborations



- Later with TJU Philadelphia USA
- Establishment of India Center there
- Research outcome helped reduce maternal and neonatal morbidity, nationally and globally
- Recognized by WHO as a collaborating center and global recognition in Maternal and Newborn health
- Visit by Secretary of Health USA



# Visit of US Secretary of Health





# KLE International Research Collaborations



- No looking back
- Established credibility
- Joint projects with a number of universities, foundations, NGOs, including NIH, NIHCD, WHO, Bill and Melinda Gates Foundation, Kings College London among others
- Significant outcomes, joint publications, findings incorporated in WHO guidelines, adopted by 54 countries
- Research from bench to bedside to community



# Academic and Research Collaboration KLE-Thomas Jefferson University\*, USA 2017-2025



**Dr Stephen Klasko**

President, Thomas Jefferson University, Philadelphia, USA

\*Second oldest University in USA

# Recognition of Departments

## JNMC Women's and Children's Health Research Unit



Women's and Children's Health Research Unit  
Jawaharlal Nehru Medical College  
KLE Academy of Higher Education and Research  
(Deemed-to-be-University)  
Belagavi Karnataka India



WHO Collaborating Centre  
for Research in Maternal and Perinatal Health

**September 16, 2019**



**icmr**  
INDIAN COUNCIL OF  
MEDICAL RESEARCH  
Serving the nation since 1911

ICMR Centre for Clinical Trials

**December 28, 2021**



Global Network  
for Women's and Children's Health Research  
*Eunice Kennedy Shriver* National Institute  
of Child Health and Human Development

**February 2001**

# WHO Collaborating Center for Research in Maternal and Perinatal Health September 16, 2019



**Dr Mark L Tykocinski**  
**Provost & Dean, Thomas Jefferson University**  
**Inauguration on November 22, 2019**





# KLE Research Collaborators



## International



BILL & MELINDA GATES foundation



Fogarty International Center



USAID FROM THE AMERICAN PEOPLE



## National

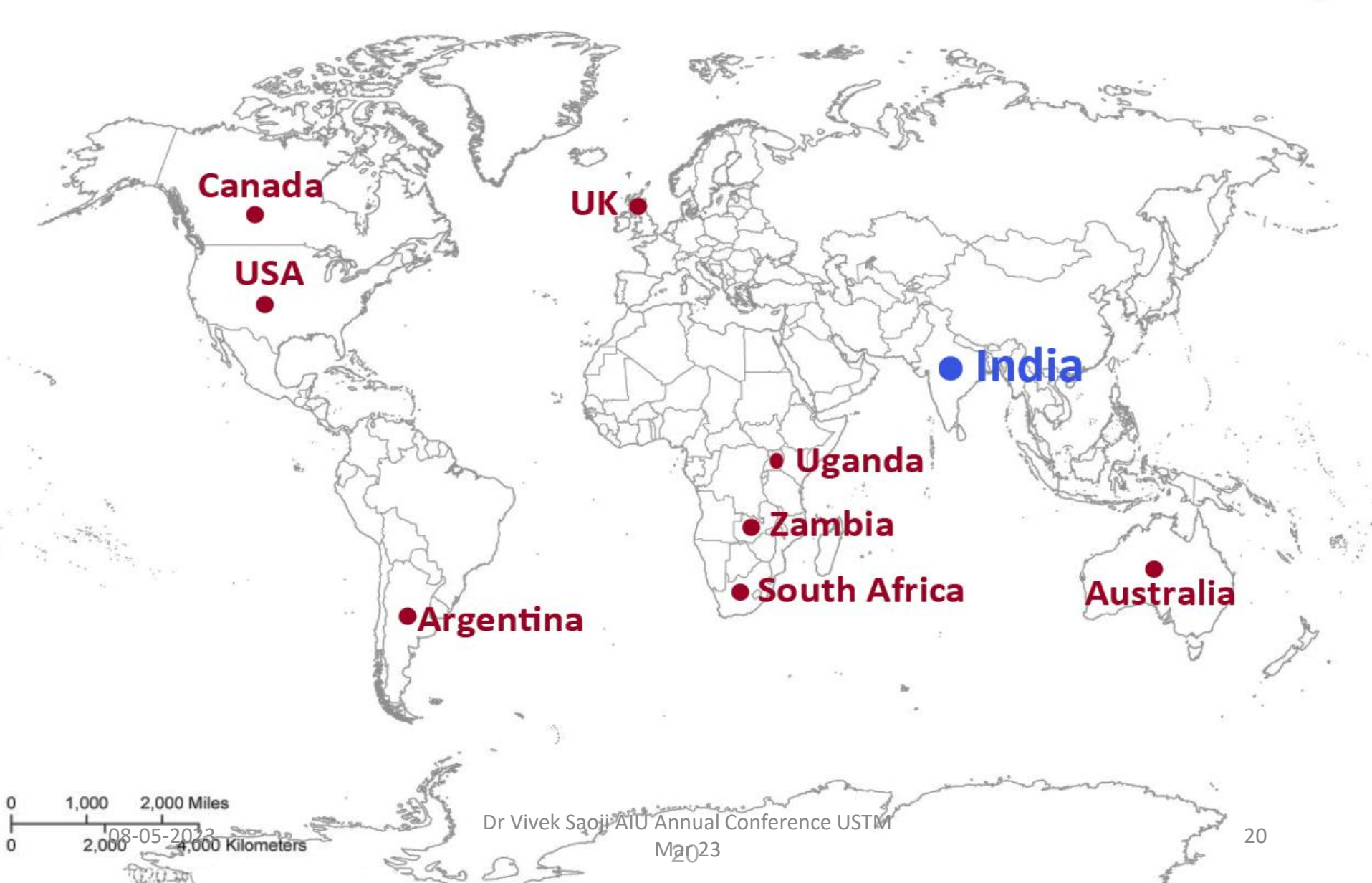


Central Council For Research In Ayurvedic Sciences (CCRAS)



Ministry of Ayush Government of India

# Collaborating Institutions: Global (25 in 8 Countries)



# RTS Carbetocin Ferring Global Launch July 23, 2021



**Dr S Shantha Kumari**

**President FOGSI and Treasurer, FIGO**



# Newton Prize for Excellence in Research and Innovation



**Jo Johnson, UK Minister for Universities, Science and Research and Innovation**

**Sir Venki Ramakrishnan, President of the Royal Society**





# Research Grants & Publications



## Research Grants: 12564 Lakhs

- International: **11552 Lakhs**
- National: **1012 Lakhs**
- Research output in the form of high impact publications in journals like **Lancet, New England Journal of Medicine** and many more
- Policy documents, SOP's, Practice Guidelines and more
- Recommendations put to practice as standard of care



# Research Impact on Public Health Policy



1. Heat Stable Uterotonics for post-partum haemorrhage (PPH)
  - a. Oral Misoprostol
  - b. Room Temperature Stable Carbetocin
2. Helping Babies Breathe for birth asphyxia
3. Antenatal Corticosteroids in preterm birth
4. Quality of care during delivery
  - a. WHO Safe Childbirth Checklist
  - b. New WHO Labour Care Guide

WHO recommendations  
Uterotonics for the  
prevention of postpartum  
haemorrhage



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World Health Organization  
Model List of Essential Medicines

21st List  
2019



NAVJAAT SHISHU SURAKSHA  
KARYAKRAM



BASIC NEWBORN CARE AND  
RESUSCITATION PROGRAM  
FACILITATOR'S GUIDE



Ministry of Health and Family Welfare  
Government of India

WHO recommendations on  
interventions to improve  
preterm birth outcomes

al Conference USTM  
World Health Organization



RESOURCE PACKAGE  
FOR QUALITY  
IMPROVEMENT CYCLES IN



GOVERNMENT OF INDIA

MATERNAL HEALTH DIVISION  
NOVEMBER 2018

WHO Labour Care Guide  
USER'S MANUAL



World Health Organization

hrp  
research for impact

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# Bringing this in Practice



- Culture of quality
- Quest for knowledge
- Spirit of enquiry
- Starting early (its never too late)
- Discipline
- TRUST and Confidence
- Out of box thinking
- Accountability and Responsibility



# Way Forward

- Collaboration need of the hour
- Purpose, priority, strengths
- Roles and responsibilities
- Clarity of thought/ purpose
- Open mind, keep learning, ideathon
- Up to date with technology
- Find a partner, like minded people
- Meetings, conferences workshops offer networking opportunities



# Professional Skills



- Collaboration
- Leadership, Teamwork
- Communication Skills
- ICT literacy
- Social / Cultural competencies – Ethics, Professionalism
- Creativity, Critical thinking, Problem solving

Education for Life and Work Developing Skills in 21st Century  
The National Academies Press, Washington, D.C.

Thank You

What Questions do  
you have?