

## International Technology Transfer Capacity Building Challenges & Opportunities:

NIH OTT—TIFAC/DST  
IPM Workshops  
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## Importance of Global Health Research

Humanitarian Objectives

Globalization of Health Problems and their Relevance to Domestic Health

Economic Development and Political Stability



## Critical Mass

- The lack of availability of well-trained professionals in specialized areas presents major barriers for institutions in low and middle income countries. Having the critical mass of qualified personnel is required to propel biomedical innovation and competitiveness locally.

## Key Changes--Global Innovation

- Several emerging economies (e.g. India, Brazil, China, and South Africa) have increased their investments and adjusted their industrial policies to stimulate greater biomedical and biotechnology research toward the development of diagnostics and therapeutics for endemic and neglected diseases.

## Challenges Global IPM

- Public & Private institutions in emerging & transitional economies and in developing countries are entering into new types of research and development (R&D) agreements for the transfer and development of technologies that could result in the production of effective and affordable products.

## NIH OTT International TT

- The NIH OTT is committed to contributing expertise and sharing ideas, strategies, and practices mutually with other organizations in both developing and industrialized nations to advance the goals of international technology transfer.
- NIH OTT International Technology Transfer Training Program

## NIH OTT Tech Transfer Training Objectives

- Learn different aspects of IPM
- Assessment & Commercialization of Technologies
- Exposure to practical aspects of negotiation license agreement
- Enhance understanding IPR Policy
- Understand Global Challenges
  - Clinical Trials
  - Capacity Building
  - Public-Private Partnerships

## Training Implementation

- ✍ **Rotations** will depend on the **needs of partners**
  - Different OTT Divisions and Offices
  - NIH's ICs' Offices of Technology Development
  - Other U.S. Government TT Offices
  - U. S. Academic Institutions
  - PPPs & Foundations
- ✍ **Mentors** (sustainable relationship)
- ✍ **First Phase:** Staff from institutions in China, Brazil, South Africa, **India**, Argentina, Hungary, Thailand

## Additional Training

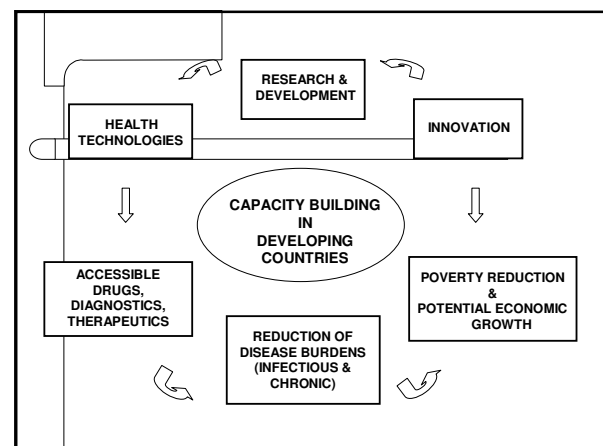
- ✍ Participation in FAES/NIH TT Course
- ✍ Participation in Seminars and Workshops at OTT & NIH, USG, Universities, and Foundations
- ✍ Workshops in the field—Partners (e.g. **India**, China, Egypt, Argentina)
- ✍ Relevant courses & guidance at U.S. Universities and USG (e.g. USDA)
- ✍ Participation in relevant professional meetings (e.g. AUTM, FLC, BIO, LES)

## Capacity Building at NIH-OTT

- ✍ Information Access
- ✍ Combined initiative by NIH-OTT and U.S. academic institutions
- ✍ Database of technologies
- ✍ Resources tool for managers and scientists in developing countries
- ✍ [www.ott.nih.gov](http://www.ott.nih.gov)

## Lessons Learned

- ✍ Participating institutions should have
  - Some level of R&D capabilities
  - Clear objectives to address national and regional public health needs
- ✍ Need to work with public and private institutions in those countries
- ✍ Comprehensive, multidisciplinary, sustainable training approach



## NIH CONTACTS

- **NIH** <http://www.nih.gov>
- **OTT** <http://www.ott.nih.gov>  
(International TT & Career Opportunities)
- **TT Training** <http://tttraining.od.nih.gov>
- **Clinical Trials** <http://clinicaltrials.gov>

E-mail: [salicrul@mail.nih.gov](mailto:salicrul@mail.nih.gov)

## International Contacts

- **WHO (TDR)** [www.who.org](http://www.who.org)
- **MIHR** [www.mihir.org](http://www.mihir.org)
- **PIIPA** [www.piipa.org](http://www.piipa.org)
- **PIPRA** [www.pipra.org](http://www.pipra.org)
- **PATH** [www.path.org](http://www.path.org)
- **Rockefeller** [www.rockefellerfoundation.org](http://www.rockefellerfoundation.org)
- **Gates Foundation** [www.gatesfoundation.org](http://www.gatesfoundation.org)
- **DCVMN** [www.dcvmn.org](http://www.dcvmn.org)



HEALTH FOR ALL!