

## Enrolment Details

**Eligibility criteria:** Researchers with an interest in evidence-based healthcare, a knowledge of basic epidemiology, and a bachelor's degree (or higher) in Medicine, Veterinary Sciences, Dentistry, AYUSH, as well as other healthcare professionals, including basic researchers, who want to apply the principles of systematic reviews in their professional work.

**Maximum number of candidates to be enrolled: 20**

**Course fee: 3000/- (Three thousand only)**

### Enrolment procedure:

1. Register yourself by submitting the online form at <http://www.tiny.cc/srma> OR <https://goo.gl/forms/H04aKzbGWMoeJ8aR2>
2. On receipt of the registration details, you will be invited to participate in the workshop via email.
3. On being invited, please draw a Demand Draft/Pay order for INR 3,000/- (Drawn in favour of "Director, NICED", payable at Kolkata. Kindly email a scanned copy of the demand draft to Dr. Pranab Chatterjee ([pranab.chatterjee@outlook.com](mailto:pranab.chatterjee@outlook.com)). On receipt of the scanned copy of the draft your participation will be provisionally confirmed.
4. After emailing the scanned copy, please post the demand draft to: Dr. Pranab Chatterjee, ICMR-National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata -700010, West Bengal.
5. Registration will close on 15<sup>th</sup> February, 2018; or on the receipt of 20 applications, whichever is earlier.
6. Limited accommodation for outstation participants may be arranged on request at NICED guest house against a charge of INR 200/night/person for shared occupancy and INR 400/night/person for single occupancy.
7. Lunch and tea/coffee will be served during the workshop

### Course Director

Dr. Shanta Dutta  
Director & Scientist- G  
ICMR – NICED

### Contact person

Dr. Pranab Chatterjee  
Scientist- B,  
ICMR - NICED  
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## WORKSHOP ON SYSTEMATIC REVIEW AND META ANALYSIS IN HEALTHCARE

7<sup>TH</sup> – 9<sup>TH</sup> MARCH, 2018

ORGANISED BY



ICMR-NATIONAL INSTITUTE OF CHOLERA AND ENTERIC DISEASES  
(NICED)

(INDIAN COUNCIL OF MEDICAL RESEARCH )

P-33, CIT ROAD, SCHEME – XM, BELIAGHATA, KOLKATA – 700010



The National Institute of Cholera and Enteric Diseases (NICED), a premier institute of Indian Council of Medical Research (ICMR), is located in close proximity to the Infectious Disease and Beliaghata General (ID&BG) Hospital, West Bengal. During its journey for more than 50 years, the institute (in short ICMR-NICED) has successfully conducted various epidemiological, clinical and behavioral studies, vaccine as well as drug trials and investigations on vector borne diseases. The scientists of ICMR-NICED have reached far and wide in the country to achieve these feats and to generate information of public health importance in the area of enteric diseases, nutrition and HIV/AIDS. In addition to the regular training imparted to the Post Graduate students and Ph.D. scholars, currently we intend to conduct a three-day-workshop on 'Systematic Review & Meta Analysis for healthcare' during 7<sup>th</sup>-9<sup>th</sup> March, 2018 at ICMR-NICED. The objective of this workshop is to develop the understanding of biomedical/life science researchers about the basis of informed healthcare by learning the process of systematic review and meta analysis. We also intend to create teams to work on developing and executing protocols for publishing systematic reviews in priority areas. We cordially invite you to avail this opportunity and register in this workshop where we intend to mix didactic sessions with hands-on-training.

**Dr. Shanta Dutta**

Director & Scientist-G, ICMR-NICED

### **Workshop resource persons:**

#### **Key Resource Person:**

Dr. Soumyadeep Bhaumik: Dr. Bhaumik is a medical doctor and global health professional. He is an alumnus of B.S. Medical College, Bankura, India and Liverpool School of Tropical Medicine, UK. He has extensive experience in evidence syntheses, including guideline development for leading international agencies. He is the Co-Convenor for Cochrane Priority Setting Methods Group, Member of the Global Evidence Synthesis Initiative (GESI) Advisory Board, Member of the HIFA Working Group on Evidence-Informed Policy and Practice, and a member of the Evidence Based Research Network. He is also an Analyses Advisor, The BMJ and Associate Editor (social media), BMJ Global Health.

#### **Other Resource Persons:**

Dr. Alok Deb, Scientist E, ICMR-NICED

Dr. Suman Kanungo, Scientist E, ICMR-NICED

Dr. Falguni Debnath, Scientist C, ICMR-NICED

Dr. Pranab Chatterjee, Scientist B, ICMR-NICED

### **OBJECTIVES OF THE WORKSHOP**

- Understand and explain basics of evidence informed healthcare
- Understand and explain what a systematic review is and what are the steps involved in it
- Develop a focused systematic review question
- Conduct searches in PubMed for and identifying evidence to answer a specific question
- Assess quality of intervention studies
- Understand and demonstrate basic skills for meta-analysis of data from intervention studies

### **TOPICS TO BE COVERED**

- Introduction to evidence informed healthcare
- Steps in conducting systematic review
- Developing research question and eligibility criterion of systematic review (PICO)
- Basics of developing search strategies
- Data extraction for systematic reviews and quality of systematic reviews
- Risk of bias assessment of RCT
- Meta-analyses, Heterogeneity, sensitivity, subgroup analyses and Publication bias
- Basics of GRADE Approach

Hands on practice sessions using RevMan and online GradePro will be a major component of the training.