



Indian Statistical Institute

North-East Spring School  
on

# Genetic Analyses of Complex Traits

**Assam University, Silchar, Assam**  
**March 23-24, 2017**



Assam University

This Winter School is being organized in recognition of the need to expand research in North-East India on human disease to identify important risk factors and interactions among them. The training course aims to help the participants acquire skills to perform statistical analyses and draw inferences on genomic risks and associations.

**Classroom format** – lectures, hands-on and computer exercises.

## Who Can Apply

*Ph.D. students or junior faculty members working in a research institute/university in North-East India in the area of Human Genetics or Epidemiology*

Travel allowance not exceeding 3 Tier AC fares will be paid to selected outstation candidates

*Number of Participants is Limited to 20*

## Topics

1. Basics of Genetic Epidemiology
2. Basic Statistics
3. Basic Population Genetics: Hardy Weinberg Equilibrium, allele frequency estimation
4. Genetic Diversity and Population Stratification
5. Genetic Case-control Association Studies
6. Hands on Computer Exercise on Association Analyses using SPSS
7. Illustrations using Oral Cancer Data
8. Basic Epigenetics

**Application forms can be downloaded from:**  
**[www.isical.ac.in/~hgu](http://www.isical.ac.in/~hgu)**  
**Filled up application forms should be sent via e-mail to the contact addresses given below.**  
**Deadline for Receipt of Applications**  
**Feb 21, 2017**

## Resouce Persons:

**ISI Kolkata:** Prof. Partha P Majumder; Prof. Saurabh Ghosh; Prof. Bidyut Roy; Dr. Amita Pal ; Dr. Raghunath Chatterjee  
**Assam University:** Prof. Sanjib K Panda

## Contact addresses:

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**Organized by: Indian Statistical Institute & Assam University**

# **North-East Spring School**

## **On Human Genetics**

March 23-24, 2017

### APPLICATION FORM

1. Name of applicant:
2. Age (in years):
3. Sex:
4. Email address:
5. Current affiliation:
6. Position:
7. Highest academic degree obtained and the subject in which obtained:
8. Have you taken any formal courses in Human Genetics and Statistics? If yes, provide brief details:
10. Describe your current work in five sentences:
11. If selected, would you be able to arrange your own accommodation in Silchar, Assam?