

## BIostatISTICS AND EPIDEMIOLOGY TRAINING CENTRE (BETC)

National Institute of Cancer Prevention & Research (NICPR)

ICMR, Department of Health Research (MOHFW)

I-7, Sector-39, Near Noida City Center Metro station, NOIDA (UP) – 201301

### ANNOUNCEMENT OF COURSES

## Biostatistics & Research Methodology Courses at NICPR, Noida (Feb-March- July 2017) for UG/PG Bio-medical Students / Faculty

### Details of the courses:

1. For Under Graduate Medical: seats: 10 in each month  
- **Protocol & Report writing** (Two day course) Fee: Rs.1500/-; Dates: March 21-22/July 18-19/
2. For PG Bio-Medical: seats: 10 in each month  
- **Biostatistical Analysis on SPSS and design of medical studies** (Four days hands on workshop)  
Fee: Rs. 3000/- Dates: March 7-10/ July 4-7
3. For PG Bio-Medical: seats: 10 in each month  
- **Protocol development & Research Paper writing** (Four days hands on workshop)  
Fee: Rs.3000/- Dates; March 21-24/ July 18-21
4. For PG Bio-Medical/Statistics:– seats:5 in each month (Medical-2. Life sciences-2, Statistics-1)  
- **One month Hands on training course on Research Methodology & Biostatistical Analysis** (1 month course –on five day week basis); Fee: Rs. 7500/- Dates: March 1-31/ July 3-28  
One month course includes workshops #2 and #3.
5. For Bio-Medical/Statistics: **Internship in Research methodology**: fee Rs 6000/- (As per requirement and Feb, April, June) – Supervision / guidance for PG thesis
6. Outreach training workshop – Biostatistics & Research Methodology – at host institutes of National/International – For details of fee & arrangements please contact: course coordinator.

The number of participants for each course is limited to number mentioned above against each, and the selection of participants will be on the basis of first come first served after receipt of a request and payment of course fee. Students interested may:

- (i) first send their e-mail request at [icpo.betc@yahoo.com](mailto:icpo.betc@yahoo.com) along with a brief half page bio-data specifying college / institution / hospital, city, email address and mobile contact number. Seats will be tentatively reserved in each particular month of interest to those who send mail requests.

- (ii) Secondly, enrollment on selection to the course be made by paying the **course fee through demand draft / pay order in favour of Director, NICPR, NOIDA** payable at Noida or Delhi for each month course **any time in advance**. Course Fee does not include lunch & Tea. For these in-house courses, participants may avail institute's subsidized catering facilities.

**COURSE CONTENTS:**

*Types of studies (descriptive, analytical & clinical trials), sampling, sample size determination, data collection. Descriptive statistics, concept of p-values, confidence intervals, principles of statistical tests, tests on compare means & proportions, correlation, concepts of linear / logistic regressions, methods in epidemiology such as assess diagnostic tests, measures of disease frequency, relative risks & odds ratios, etc. . Hands on training of statistical analysis using SPSS for data on clinico-epidemiologic research.*

*Steps in protocol preparation- Development of Research project/ study protocol, Writing Research Report, ethics in medical research. Biostatistics and Epidemiology Requirements of Research Protocol such as: Types of studies, sampling, data collection methods, approach of statistical evaluation (Descriptive statistics, Significance Tests, concept of p-values). Medical /clinical research paper writing and critical evaluation of research paper/ reports.*

**On confirmation of** enrollment by email, course fee as Demand Draft/Pay order (drawn in favour of Director ICPO) may be sent by courier/speed post to:- **Dr. Smita Asthana**, Scientist-D & Course Coordinator (0120-2446917/15). For further query if any contact at email: [icpo.betc@yahoo.com](mailto:icpo.betc@yahoo.com)

**Dr. Smita Asthana MD**

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