



4<sup>th</sup> NATIONAL WORKSHOP ON

## STATISTICAL METHODS IN BIOMEDICAL RESEARCH

April 04 - 06, 2018

(IN COLLABORATION WITH NATIONAL INSTITUTE OF MEDICAL STATISTICS, NEW DELHI)

NIOH is organizing three days workshop for biomedical researchers on statistical applications using SPSS. This course is intended to introduce principles of Biostatistics to researchers in area of medical and life sciences. Emphasis of course is to illustrate applications of statistical methods to experimental data using SPSS software. At the end, participants would be able to apply appropriate statistical procedures for the analysis of data and its interpretation.

**SEATS AND LAST DATE** : Number of seats is limited to **30** only and will be offered purely on First come, First served basis. Last date for receipt of filled application is 20<sup>th</sup> March 2018.

**WHO CAN APPLY** : Researchers/Students in area of health research, life sciences, medicine etc.

### SYLLABUS:

	Topic
Day 1	Statistics in Biomedical Research
	Study Design : Observational and Experimental/Clinical Studies
	Selection Bias, Randomization & Replication
	Descriptive Statistics and Graphical representation of Data
	Database Designing and Management in DBMS/Excel
	Hands-on training Using SPSS
Day 2	Probability distribution & Determination of Sample Size
	Hypothesis Testing, Statistical test and Confidence Interval
	Analysis of variance (ANOVA)
	Analysis of Categorical Data
	Hands-on training Using SPSS
Day 3	Correlation and Regression Analysis
	Non-Parametric Tests
	Ethical Issues in Biomedical Research
	Hands-on training Using SPSS
	Open Discussion Session

**COURSE FEE & PAYMENT:** Course fee for the workshop is ₹ 5000. Payment can be made by online NEFT Transfer or Demand Draft in favor of "Director - National Institute of Occupational Health, Ahmedabad", payable at Ahmedabad. The details for DD/NEFT transfer is given in registration form.

**ACCOMODATION:** Participants will have to bear their own expenses for travel, boarding and lodging. The Organizers will provide Course kit, working Lunch and Snacks. However, on request, organizers may arrange sharing basis accommodation with AC facility on standard nominal charges in the International Training Center of NIOH. Only limited accommodation available in the campus and priority will be given to the female participants.

**HOW TO APPLY:** Applicants need to send filled 'Registration Form' attached herewith, mentioning 'WORKSHOP ON STATISTICAL METHODS IN BIOMEDICAL RESEARCH' on the Envelop along with demand draft. An advanced copy of application form must be sent at [niohstats@gmail.com](mailto:niohstats@gmail.com). Availability of seats can be confirmed by email. The seats will be offered on First Come, First Served basis. Postal Address: Dr. S D Mishra, Department of Bio-statistics, National Institute of Occupational Health, Meghani Nagar, Ahmedabad-380016 Gujarat.

**PATRON:** Prof. K. Vijayraghavan, Secretary DHR & Director-General, ICMR (Additional Charge), New Delhi

**MENTORS:** Dr. Kamallesh Sarkar, Director, NIOH & Dr. M. Vishnu Vardhan Rao, Director-NIMS, New Delhi

**COURSE DIRECTORS:** Dr. H.K. Chaturvedi, Sci. "F" National Institute of Medical Statistics (NIMS), New Delhi  
 Dr. Sukh Dev Mishra, Sci."B" National Institute of Occupational Health (NIOH), Ahmedabad

**CONTACT PERSON:** Mr. Ashvin Malhotra/ Mr.J.P.Valodara, Division of Biostatistics, National Institute of Occupational Health (ICMR), Meghani nagar Ahmedabad; Contact No.: (079) -22688 844/843, 08460501808

**NOTE:** Registration cancellation will not be possible after confirmation; hence no course fee will be refunded. Applicants are advised to bring their own laptops for hands-on-training purpose.

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**April 04 – 06, 2018**

(IN COLLABORATION WITH ICMR-NATIONAL INSTITUTE OF MEDICAL STATISTICS, NEW DELHI)

**ICMR - National Institute of Occupational Health, Ahmedabad**

## - REGISTRATION FORM -

Application Category (Kindly choose One):  Academic  Research Institution  Industry

Name \_\_\_\_\_

Date of Birth \_\_\_\_\_

DD / MM / YYYY

Gender \_\_\_\_\_

Male  Female

Highest Qualification: \_\_\_\_\_

Graduate  Post-Graduate  Ph.D

Name of Degree \_\_\_\_\_

Subject: \_\_\_\_\_

Work Experience(Yrs) \_\_\_\_\_

Area of Specialization: \_\_\_\_\_

Designation \_\_\_\_\_

Department \_\_\_\_\_

Institution \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State: \_\_\_\_\_

PIN : \_\_\_\_\_

Contact No. \_\_\_\_\_

E-mail \_\_\_\_\_

Accommodation \_\_\_\_\_

YES  NO Period of Stay: FROM: \_\_\_\_\_ TO: \_\_\_\_\_

*Please write, in brief, how this workshop will help you(optional):*

**Demand Draft Information : Only in favor of "Director - National Institute of Occupational Health, Ahmedabad", payable at Ahmedabad  
NEFT: A/C No. 10106975123 , State Bank of India, IFSC Code: SBIN0003043, Branch: Civil Hospital, Ahmedabad**

Name of the Bank	D.D No. / NEFT Transaction ID	Amount	Date

Declaration: I hereby certify that all the above information is accurate to the best of my knowledge.

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Applicant