



**LECTURE WORKSHOP**  
**ON**  
**ADVANCES IN TOXICOLOGY**

Organized by  
**Haffkine Institute of Training, Research and Testing**  
**Mumbai**

22<sup>nd</sup> and 23<sup>rd</sup> February, 2018

Timings: 9.30 am to 5.00 pm

**(Sponsored by Indian Academy of Sciences, Bangalore)**

**Theme:**

**The Haffkine Institute for Training, Research and Testing** is one of the oldest biomedical research institutes in the country. It was established in 1899 and is named after the scientist, Dr. Waldemar Mordecai Haffkine who invented the plague vaccine. Since then, Haffkine Institute has emerged as a multi-disciplinary Institute engaged in training, research and testing of various aspects of infectious diseases.

For more than 20 years, the Department of Toxicology and the Institute has been providing services for the comprehensive toxicity testing studies for registration of pharmaceuticals, agrochemicals, biocides, cosmetics, chemicals and related products. Majorly in vivo toxicity testing is conducted in the Department, which is as per the regulatory requirements of the OECD, ICH, FDA, EMEA, OPPTS, BIS and/ or ISO10993. Toxicology is the study of adverse effects of chemical substances on living organisms and their environment. It is a dynamic multi-disciplinary science that required interactions between biology, chemistry, medicine, veterinary science, pharmacy and environmental biology. Over the past few years, toxicology has played a vital part in drug development. It is a highly dynamic field which is expanding and adapting as society changes and new demands have to be met. The need for toxicologists is growing as a result of new chemical testing and drug safety requirements and legislation. There is a shortage of trained toxicologists, partly because specialized training opportunities are limited.

The main objective of this workshop is to give knowledge of the basic concepts and advances in the toxicology and also to give a flavor of routine and special techniques in the field. The practical demonstration would include routine animal handling and dosing of the animals, introduction to zebrafish model and specialized Comet assay.

**Who can participate?:** Graduate, postgraduate, and Ph.D. students, post –doctoral fellows, young faculties and interested scientists in the field of Biological Sciences.

**Mode of Registration:** Mail Registration Form to [training@haffkineinstitute.org](mailto:training@haffkineinstitute.org)

**Last date for submission of registration form:** 20<sup>th</sup> February 2018, Selected participants will be informed 21<sup>st</sup> Feb.2018 by noon.

**Fees:** Free for selected participants.



## WORKSHOP ON ADVANCES IN TOXICOLOGY 22-23 February 2018

Venue – Durbar Hall  
Haffkine Institute for Training, Research and Testing  
Acharya Donde Marg, Parel, Mumbai 400 012

### Day 1 - Thursday, 22<sup>nd</sup> February 2018

- 9.30 am - 10.00 am: Registration  
10.00 am - 10.30 am: Welcome address by Dr. Nishigandha Naik, Director, HITRT  
  
Brief Remarks by Dr. Tarala Nandedkar, Ex-Deputy Director (Sr. Grade), NIRRH, Mumbai  
  
10.30 am – 11.00 am: Tea Break  
11.00 am - 12.00 noon: Lecture 1: **Toxicology Education**  
Dr. Madhav Deo, Director, MAMB, Pune  
  
12.00 noon - 1.00 pm: Lecture 2: **Nanotoxicity**  
Dr. Tarala Nandedkar, Ex-NIRRH, Mumbai  
  
1.00 pm - 2.00 pm: Lunch  
2.00 pm – 3.00 pm: Lecture 3: **NHP Model for Biomedical & Preclinical Safety Research**  
Dr. Sanjiva Kholkute, Former Director, NIRRH, Mumbai  
  
3.00 pm - 3.15 pm: Discussion  
3.15 pm – 3.45.00 pm: Tea  
3.45 pm – 4.45 pm: Demonstration: Animal handling and dosing / zebrafish facility

### Day 2 - Friday, 23<sup>rd</sup> February 2018

- 9.30 am - 10.30 am Lecture 4: **Toxicology Model: Zebra Fish**  
Dr. Nishigandha Naik, Director, HITRT, Mumbai  
10.30 am - 11.00 am Tea Break  
11.00 am -12.00 noon Lecture 5: **Futuristic Toxicology**  
Dr. Manish Patel, JRF Global, Vapi  
  
12.00 noon -1.00 pm Demonstration: Zebrafish development  
01.00 pm -1.30 pm Lunch  
1.30 pm - 2.45 pm Lecture 6: **Reproductive Toxicology**  
Dr. Geeta Wanage, Former Head Toxicology, NIRRH, Mumbai  
  
2.45 pm - 3.45 pm: Lecture 7: and **Demonstration on Comet Assay**  
Dr. Geeta Wanage, Former Head Toxicology, NIRRH, Mumbai  
  
3.45 pm - 4.00 pm Tea Break  
4.00 pm - 4.30 pm Concluding remarks by the Coordinator and Certificate distribution



## Workshop on Advances in Toxicology

### Registration Form

Venue: Haffkine Institute for Training, Research and Testing,

Acharya Donde Marg, Parel, Mumbai 400 012

22<sup>nd</sup> and 23<sup>rd</sup> February 2018

Name (IN BLOCK LETTERS)	
Address (Residential)	
Educational Qualification	
Designation	
Institution/College/ Organization	
Mobile No	
E-Mail ID	