



## Training / Internship Programme / Research Project

### Workshop on ELISA - Biomarker quantification

#### About the School

School of Life Sciences has been established with twin objectives of making the campus cross disciplinary and initiating teaching, research and training programs across the areas of life sciences. The school has been visualized to emerge as a hub for state of the art research in all fields related to Molecular Biology, Bio-Chemistry, Microbiology, Bio-Technology, Cancer Biology, and Genetics etc., and be a training centre for scientists, researchers, clinical staff of hospitals, industry workers in advanced laboratory techniques with hands on experience, through short term intensive programs. The school offers Undergraduate, Postgraduate and Doctoral programmes in Life Sciences. For more information please visit [www.crescent.education](http://www.crescent.education)

#### About Bio∞Brighter

Biotechnology is a ever blooming field providing solutions/support for dynamic global demands. Bio∞brighter is a biotech company, which illuminates the brighter side of biology by venturing into bioproducts and aspired towards making cheaper, easier and reliable diagnostic tools for the welfare of mankind. Team of experienced scientist with bright-talented youngster is providing consultancy services in planning and execution of laboratory, clinical and small animal experiments. Committed for routine quality check and efficacy analysis of pharmaceutical products and phytomedicines.

#### About the workshop

Enzyme Linked Immunosorbent Assay (ELISA) is a powerful technique for detection and quantification of biomarkers in various biological samples which includes but not limited to blood, saliva, etc., ELISA is an olden yet golden technique which has earned the trust of clinicians, researchers and everyone by producing reliable diagnosis result. ELISA is one such technique still in clinical use which was not replaced by modern science. Hence a thorough understanding of theory as well as practical aspect of ELISA is required for every medical and life science students. The workshop on ELISA is exclusively designed for medical students (pursuing MBBS, BDS, MD, MS) and life science students (pursuing B. Tech, B.Sc., M.Tech, M.Sc.,), research scholars and also for teaching faculty. The workshop includes lectures on basics as well as technical aspects of ELISA followed by hands on training to practice the earned knowledge. This workshop will provide an unique opportunity for students to analyze their own project samples and get a valid research data which is publishable\*.

## Course Details

### Phase I – one day Pre-workshop Seminar on ELISA: An introduction; 23.8.2018

An introductory seminar on the application of ELISA for the beginners. By attending this seminar, students can design their project and also get to know information on collection and storage of samples for their research project.

### Phase II - Hands on workshop on ELISA (3 days); 11 to 13.12.2018

Students will learn the theory of ELISA, sample processing, analysis, etc., Students can analyse their own research project samples and generate data for publication.

### Phase III - one day Post workshop training on publication of research data; 8.1.2019

Suggested for first time publication. Students who have generated quantum of data during the workshop and which could be published without any conflict can enrol for the training.

\*Students who wish to do project can bring their own samples/ELISA plate and should register in group (minimum 3 students; maximum 5). For more details and registration, contact the organiser (by email: [biobrighter@gmail.com](mailto:biobrighter@gmail.com), phone: +91 78719 58668).

Total number of participants will be 30/batch. Boarding and lodging can be arranged based on request. Three best performing students or group during the workshop and assessment will be given appreciation certificate in addition to participation certificate.

## Fee Payment details

No.of Phases	Early fee till (08.08.2018)	Late Fee
Phase I	₹ 350	₹ 500
Phase II	₹ 3300	₹ 4000
Phase III	₹ 350	₹ 500



Bring Your  
Research Project  
Sample

Registration fee includes workshop kit, manual, chemicals and other consumables and refreshment. Fee does not include lunch and also special chemical and ELISA kit for the participant's own research project.

## Venue

School of Life Sciences (SLS),  
B.S. Abdur Rahman Crescent Institute of Science and Technology  
Vandalur, Chennai - 48.  
Landmark: Adjacent to Anna zoological park.

## Organizers

**Prof. S. Hemalatha**  
Dean School of Life Sciences (SLS)  
B.S. Abdur Rahman Crescent Institute of Science and Technology  
Chennai Email: [dean.sls@crescent.education](mailto:dean.sls@crescent.education)

**Dr. M. K. Sangeetha**  
Asst. Prof., School of Life Sciences (SLS)  
B.S. Abdur Rahman Crescent Institute of Science and Technology  
Email: [sangeetha@crescent.education](mailto:sangeetha@crescent.education)



+91 78719 58668



[biobrighter@gmail.com](mailto:biobrighter@gmail.com)



[www.crescent.education](http://www.crescent.education)