

## NOMINATION FORM

Name: \_\_\_\_\_

Male/Female: \_\_\_\_\_

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

Institute/Department: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Tel: \_\_\_\_\_

Email: \_\_\_\_\_

Research interest(s): \_\_\_\_\_  
\_\_\_\_\_

Nominating Authority: \_\_\_\_\_

Designation: \_\_\_\_\_

Institute of Nominating  
Authority \_\_\_\_\_

Signature: \_\_\_\_\_

Stamp:

## PARTICIPATION

- The number of participants is limited.
- Last date for submission of nominations form, along with Registration fee (Rs. 5000 in cash), payable at Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE), University of Karachi is November 17, 2018.
- Selected participants will be informed through email by November 24, 2018.

## REGISTRATION & INFORMATION

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**Fourth Dr. A. Q. Khan  
Winter School**



**on  
“Tools and Techniques in  
Biotechnology”**

**December 13-16, 2018**



**Organized by**

**Dr. A. Q. Khan Institute  
of Biotechnology and Genetic  
Engineering (KIBGE),  
University of Karachi**

**Karachi-75270  
PAKISTAN**

## INTRODUCTION

Dr. A. Q. Khan Institute of Biotechnology and Genetic Engineering (KIBGE) ensures excellence in Biotechnology and Genetic Engineering with state-of-the-art facilities to carry out research on biological sciences.

The aim of this workshop is to provide a platform for researchers to achieve wide-range of biotechnological skills. This workshop will help the participants to get hands-on training for their research.

Participants should have a degree in a discipline related to biological sciences. Preference will be given to those who are already working on related research projects. The workshop will include lectures and hands-on training sessions in well-equipped laboratories at KIBGE, University of Karachi.

## WHO SHOULD ATTEND?

This four-day hands-on training will focus on molecular techniques for the researchers working in all areas of biological sciences including molecular biology, agriculture, pharmaceutical sciences, clinical sciences, environmental sciences and industrial biotechnology



## WORKSHOP HIGHLIGHTS

- ❑ Introduction to tools and techniques in Biotechnology
- ❑ Project Designing
- ❑ Primer Designing
- ❑ Primer Optimization
- ❑ PCR Troubleshooting
- ❑ Linkage Analyses
- ❑ Pedigree Drawing and Analyses
- ❑ Introduction to Cytogenetics
- ❑ Electrophoresis
- ❑ Restriction Fragment Length Polymorphism (RFLP) Analyses and Interpretation
- ❑ Next Generation Sequencing: Interpretation of Sequence and Gene Scanning Results
- ❑ Bioinformatics Tools in Biological Sciences
- ❑ Use of Statistical Analyses Software