

INTRODUCTION

Molecular Biology is an area of major importance in modern health sciences, destined to have an increasing impact on current trends in health care. This highly interactive course will also include problem solving sessions. Participants are strongly encouraged to bring ideas for small projects to be addressed during the practical sessions. Workshop will also provide a baseline knowledge to those who are not familiar with modern molecular biology tools and techniques.

Participants should have a degree in a discipline related to biomedical sciences. Preference will be given to those who are already working on related research projects.

The workshop will include lectures and hands-on training session in well-equipped molecular diagnostic facilities at KIBGE, University of Karachi.

Who should attend?

This three-day practical course will be focused on molecular tools for researchers working in the area of molecular biology, pathology, clinical sciences, pharmaceutical sciences and health related disciplines intending to progress from basic understanding of the disease mechanisms to genetic causes of the disease.

Workshop Highlights

- Introduction to Molecular Biology
- Project Designing
- Data Mining
- Primer Designing
- Primer Optimization
- PCR Troubleshooting
- Linkage Analyses
- Pedigree Drawing and Analyses
- Introduction to Cytogenetics

- Restriction Fragment Length Polymorphism (RFLP) Analyses and Interpretation

- Next Generation Sequencing: Interpretation of Sequence and Gene Scanning Results

Instructions

Workshop dates: December 21-23, 2016

Registration by: December 10, 2016

Intimation to the selected participants: December 19, 2016

Course Fee: Rs. 5000/-

For registration and further details, please contact.

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NOMINATION FORM

Name: _____

Male/Female: _____

Qualification: _____

Institute/Department: _____

Institution: _____

Address: _____

Tel: _____

Email: _____

Research interest(s): _____

Nominating Authority: _____

Designation: _____

Department: _____

Institution: _____

Signature: _____

Stamp: _____



Participation

- The number of participants is limited.
- Last date for submission of nominations form is December 10, 2016.
- Selected participants will be informed through email by December 19, 2016.
- The registration fees payable by the selected participants for workshop is Rs. 5000/-.

Second Dr. A. Q. Khan Winter School on “Modern Tools and Techniques in Health and Disease”

December 21-23 2016



Organized by

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

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