

**TWO DAYS HANDS ON WORKSHOP ON  
TOOLS & TECHNIQUES IN MOLECULAR BIOLOGY &  
BIOINFORMATICS**

**FEBRUARY 6 & 7, 2018**



**The workshop focus is on Fundamental Molecular Techniques in the field of Genomics & Bioinformatics**

- ✓ An invited lecture on the topic “EVOLUTION OF MOLECULAR TECHNIQUES IN THE FIELD OF MOLECULAR BIOLOGY” by **Dr. Vishnupriya.S**, Emeritus Professor, Dept of Genetics, Osmania University, Hyderabad (9:30 to 11:00am, Central Library, MANUU, on 6<sup>th</sup> Feb.2018 **(All are invited)**)
- ✓ An invited lecture on the topic “PROTEIN STRUCTURE IN EVOLUTIONARY PERSPECTIVE” by **Dr. Prakash Prabhu**, Dept of Biotechnology and Bioinformatics (9:30 to 11:00AM, School of Sciences, MANUU, on 7<sup>th</sup> Feb.2018 **(All are invited)**)
- ✓ Hands on training on the following tools & techniques in the field of Molecular Biology & Bioinformatics. (Only for Registered Workshop Participants)
  - Genomic DNA isolation
  - Qualitative assessment of isolated DNA through Electrophoresis technique
  - Polymerase Chain Reaction (PCR) and AGE for gene amplification and genotyping
  - Primer designing through Bioinformatics Approach
  - Introduction to Sequence databases, Structural databases, Enzyme databases
  - Applications of basic Bioinformatics tools
  - Protein visualization by software Pymol

**The participants will be provided with the theory and also given hands on training by the scientific experts on the above mentioned topics.**

**Eligibility:** This workshop is intended for Life Science Undergraduates, Postgraduates, Research scholars and Teachers. **Note:** *Limited number of entries. First come first serve.*

**Organizing Committee:**

Dr. Parveen Jahan (Organizer)

Prof. P.F. Rahaman

Dr. Masroor Fatima

Dr. Arif Ahmad  
scholar)

Dr. Syed Sayeeduddin

Ms.Heera Babi (Research scholar)

Ms. Mir Nighat Farooq (Research scholar)

Ms. Asima Begum Afreen (Research

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