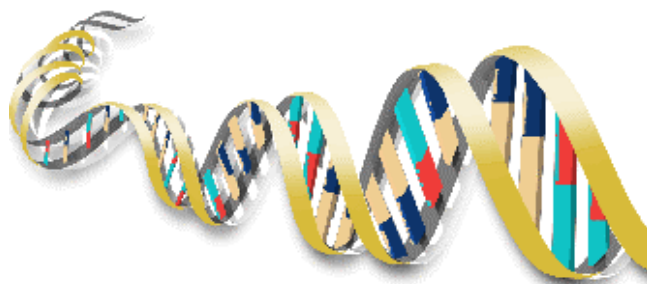


KHWARZIMIC SCIENCE SOCIETY

Seminar

Applications of Biotechnology In Medicine



Thursday, 19th December, 2002 1100 - 1200,
Institute of BioChemistry and BioTechnology,
Quaid-e-Azam Campus, University of Punjab, Lahore.

Fazli Rabbi Awan,

*Department of Biochemistry,
University of Oxford, UK.*

Fazli Awan is presently working for a DPhil. Degree in Biochemistry at University of Oxford, UK. His areas of interests include Medical biotechnology, Clinical and Molecular Biochemistry, Glycobiology, Nuclear magnetic resonance (NMR) spectroscopy and Imaging (MRI).

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Abstract: Biotechnology has affected different aspects of medicine in diverse ways from prevention to treatment. Great progress in new fields of medicine today, is due to recent developments in molecular biotechnology. Recombinant DNA technology or Genetic Engineering as basic tools of molecular biology has revolutionized medical science. The use of biotechnology in medicine is growing rapidly and is opening opportunities to develop new, more effective drugs and other therapeutics. Studying the genetics of humans is allowing us to understand what happens when genes go wrong in inherited diseases and to start to develop new therapies that treat the genetic cause, not the symptoms. By studying the genetic make-up of viruses, bacteria, or fungi, we can understand how they cause disease and develop better drugs and antibiotics that target them more specifically. These biotechnological approaches will be explored in different areas of medicine including prevention, pathology, diagnosis and treatment of the diseases during this talk.

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