

Virtual Education Project Pakistan (formerly known as: National Video Conferencing Project)

- Partners: Higher Education Commission-Pakistan and L.E.J. National Science Information Center (ICCBS) Karachi.
- Focus on Masters and PhD's levels courses delivered experts in the chosen disciplines aimed at building concepts, enhance critical thinking and provide understanding for undergraduate and graduate students through HEC's established Video Conferencing Network.
- Status: Running and has conducted several video courses with local and foreign speakers.
- The program is funded by HEC. The organizing committee also gives some honorarium to the speakers.

Target Selection and Validation

- Define the unmet medical need (disease)
- Understand the molecular mechanism of the disease
- Identify a therapeutic target (usually a protein) in that pathway (e.g. gene, key enzyme, receptor, ion-channel, nuclear receptor)
- Demonstrate that target is relevant to disease mechanism using genetics, animal models (such as knock-outs), lead compounds, antibodies, RNAi, etc.

Mass Spectrometer Diagram Labels: Emission filament (where "White Hot" wire emits electrons), Ion with unstable trajectory, Ion with stable trajectory, Ion collector, Mass Analyzer, Computer, Mass Spectra, Sample, Trap, +20 V, 0 V, -70 V, Ionizing electron beam, dc and rf voltages, Pressure = 10^{-6} Torr; No ion/neutral collisions.