

**Curriculum BMED320/BMED321:**

The curriculum consists of power-point presentations, selected scientific papers and background literature handed out by the teachers. The student is encouraged to seek information on the web. The curriculum will be available on “MySpace” as the course proceeds. We strongly encourage all students to use the book “Molecular Biology of the Cell” Fifth ed., Alberts et al. ISBN 978-0-8153-4106-2.

Please note that you are expected be familiar with basic molecular methods and principles (e.g. protein separation by gel electrophoresis, separation of RNA and DNA by gel electrophoresis, cDNA, nucleic acid hybridization, immunoblotting (Western), Northern and Southern, polymerase chain reaction (PCR), restriction enzymes (restriction endonucleases), fluorescence, as well as basic genetic mechanisms and the concept of DNA homology across species). If you are not familiar with these topics, please prepare for the course by reading adequate literature. Suggested reading: Chapters 1-9 in “Molecular Biology of the Cell” (see above for details).