

PCB 4522 Molecular Genetics **and** **BSC 6936 Special Topics** **(Molecular Genetics)**

Summer 2022 (Second Half)
In Person on Davie Campus With Remote Option



- **Molecular details of basic genetic mechanisms with emphasis on transcription and pre-mRNA processing**
- **Detailed review of mechanisms controlling gene expression, including protein and RNA *trans* factors, and epigenetics**
- **Role of gene expression in complex processes including development and evolution, disease response and cancer**
- **Survey of techniques used to study and manipulate genomes**
- **Prerequisite PCB 3063 (Principles of Genetics)**