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- **Biophotonics**
- **Signal Transduction During Development in Dictyostelium**
- **Signal Transduction**
- **Molecular Genetics of Lymphocyte Development**
Using targeted mutagenesis and mouse genetics to study how the brain functions

Role of the ubiquitin/proteasome pathway and inflammation in neurodegeneration

Regulation of ion channels and synapses by FHF and IB2 proteins

Undergraduate education and curricular development

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Cancer Biology

Cellular Neurophysiology

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