In Person Lecture: Connexin Mutants and Cataracts - Clues to Gap Junction Functions

Dr. Beyer and his laboratory have conducted a wide variety of studies of the connexin proteins that form gap junctions connecting adjacent cells in many tissues. In addition to facilitating electrical coupling between excitable cells, gap junction mediated intercellular communication is also important in non-excitable cells. Connexin mutants are linked to a variety of diseases. Dr. Beyer will present studies elucidating how connexin mutants and disruption of intercellular communication lead to disease in the eye lens.