



سمینار هفتگی گروه ماده چگال نرم

Valence Selectivity in Biological Ion Channels Ali Alizade

Transmembrane ion channels play a crucial role in the existence of all living organisms. They partition the exterior from the interior of the cell, maintain the proper ionic gradient across the cell membrane and facilitate signaling between cells. To perform these functions, ion channels must be highly selective, allowing some types of ions to pass while blocking the passage of others. Here we review a number of studies that have helped to elucidate the mechanisms by which ion channels discriminate between ions of differing charge, focusing on four channel families as examples: gramicidin, CIC chloride, voltage gated calcium and potassium channels.

زمان: شنبه 87/3/11 ، ساعت 15:30

مکان: آمفی تئاتر دانشکده فیزیک

قطب ماده چگال و سیستمهای پیچیده