

LINXS Event - Membrane Protein workshop: Structural Resolution of Membrane Proteins: From Expression to Sample Preparation

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Contr. talk - The baculovirus/insect cells system

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Mammalian membrane proteins are notoriously difficult to express. In contrast to bacteria or yeast, the baculovirus/insect cells system provides a good alternative to express these proteins in higher eukaryotes. Insect cells provide post-translational modifications, such as disulfide bonds or glycosylation, as well as a more akin membrane lipid composition compared to bacterial or yeast expression systems. Insect cells grow to high cell densities and using the baculovirus system even multi-protein complexes can be co-expressed.

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Session Classification : Session 1 - Chair: Erika Toth