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FLASH HALL (28c) - Seminar Room

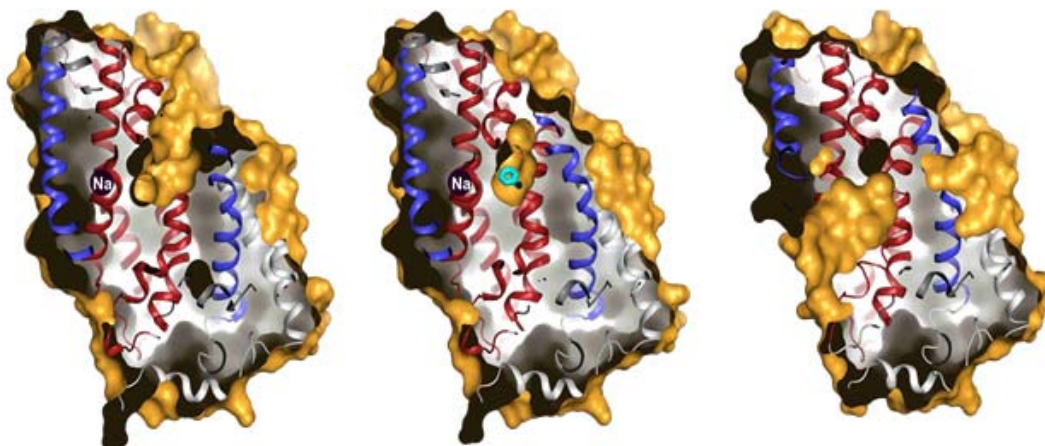
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## Snapshots of the Membrane Protein Mhp1 at work

Membrane transport proteins are classified into different groups. However, the common molecular mechanism of all of them is based on the alternating access model. Mhp1 belongs to the nucleobase–cation–symport-1 family of secondary active transporters with indolyl methyl- and benzyl-hydantoin as substrates in *M. liquefaciens*. Three crystal structures of this protein were already solved and present the outward facing, occluded and inward facing forms. Altogether, these crystal structures in three conformations reveal detailed insights into the alternate access model.



'Three crystal structures of Mhp1'