Chemistry of Ion Coordination.....

- Basis for coordinating K+ ions – the pathway
- Compensation for lipids in the center
- Selectivity for K+ versus other ions
- Hydrophobic exit port

Electric Potential across membranes
the selective filter
monoclonal antibody Fab fragments
central cavity, dielectric

four-fold coordination, four fold channel
K+ concentration in the cavity
1,3 and 2,4

Gly 79
Glu 71 – Asp 80
atomic temperature factors
high K+ v Low K+

the gate
crystals of a membrane protein