

Figure 1:
Preliminary cryo-EM imaging of hetero-GlyR alone.
A) Representative micrograph. Particle side views are shown in squares and top views in circles **B)** 2D classification of particles done in Relion 3.1.

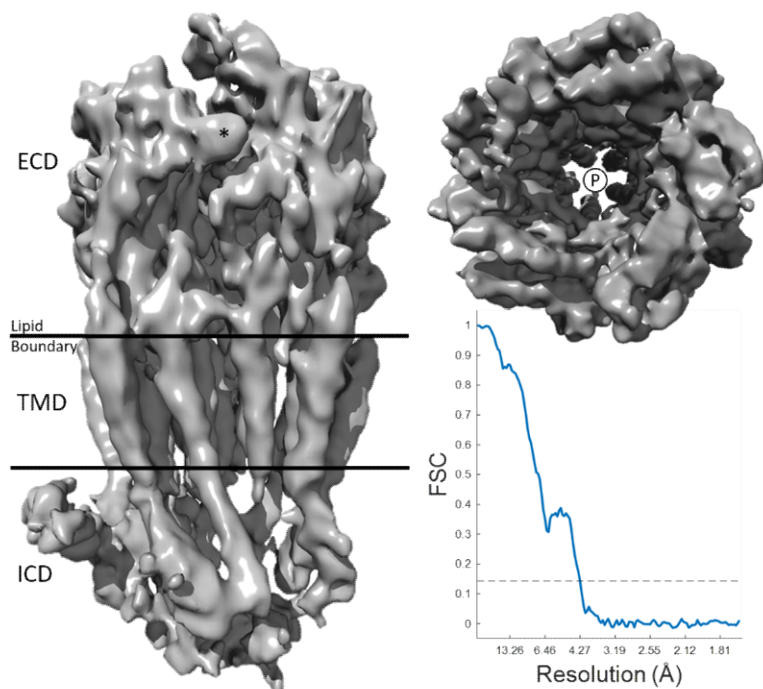


Figure 2 (Left): Side view, top view and masked FSC curve of preliminary 3D reconstructions from the classes shown above of hetero-GlyR at 4.3 Å. The side view shows the neurotransmitter site, marked with an asterisk, and approximate TMD boundaries. The pore is shown in the top view.

Figure 3 (Below): **A)** Representative micrograph of hetero-GlyR in complex with gephyrin domain E (GlyR binding domain). Particle side views are shown in squares and top views in circles. **B)** 2D classification of particles done in cisTEM using a template-free algorithm. We could not generate a meaningful 3D reconstruction from this particle set.

