Integral membrane proteins (IMPs) provide each type of biological membrane with its characteristic functional properties. They are involved in the transport of molecules into and out of the cell, facilitate signaling between cells, and have also been shown to have enzymatic activity for essential processes. Their malfunction has been associated with numerous diseases, with more than 50% of marketed drugs targeting these proteins. Acquiring a better understanding of their structure-activity-relationship will assist in finding novel therapeutics and improving the current ones. Here, I will present my ongoing work on solving the cryo-EM structures of two IMPs, (i) A peptide binding G protein-coupled receptor / G protein complex. (ii) An Epidermal Growth Factor Receptor – involved in the progression of breast cancer.