OmcA is an outer membrane protein from the metal-reducing bacterium *Shewanella oneidensis*

First time solution structure is determined from Small-Angle X-Ray Scattering data with dimensions of $3.4 \times 9.0 \times 6.5$ nm$^3$

Depending on its redox state, OmcA can adopt different conformations

Data from the SNS Liquids Reflectometer show that the interaction of OmcA with hematite is not random. OmcA contacts the mineral interface in a certain orientation that maximizes its interaction with the mineral