

Structural studies of the outer membrane receptor FpvA from *Pseudomonas aeruginosa*

During this experiment we screened several crystals of the outer membrane receptor FpvA (25 approximately) whatever the crystallization conditions and crystal forms. From small crystals obtained in new crystallization conditions, we collected data at 5.5 and 4.5 Å resolution. Data analysis revealed that the crystals belong to a new space group: P22₁2₁ (cell parameters: a=128.2 b=178.8 c=219.3 Å). However, the data statistics are poor even at low resolution probably due to the use of very small crystals to collect data. However, from these results it can be expected to collect data at a higher resolution after the improvement of the crystallization conditions in order to get bigger crystals. We also collected a data at 3.2 Å resolution using a crystal of the pyoverdine-FpvA. The crystal belongs to the space group C2 (cell parameters: a=143.4 b=238.9 c=238.2 Å, $\beta = 101.4^\circ$). 6 molecules (500 kDa approximately) are in the asymmetric unit.