

## Structure determination of *Mycobacterium tuberculosis* EthR in complex with various ligands

During experiment 30 01 747, we have been able:

- to collect four high resolution data sets of EthR complexed with drugs. These crystals belong to space group P41212, with cell parameters 121.7 Å, 121.7 Å, 33.7 Å. The crystals diffract to 1.65 Å, 1.75 Å, 1.8 Å and 1.9 Å, with one monomer per asymmetric unit.
- To collect a complete data set for a ligand binding domain of a human nuclear receptor, to a resolution of 4 Å. The crystal belongs to space group P622 and contains three to six molecules in the asymmetric unit. Data acquisition was done using a very small angular rotation of 0.075°, because of the presence of a very long cell axis of 448 Å.
- We have tested one crystal of a membrane protein, namely FhaC from *Bordetella pertussis*. We had time only to measure 5°. Diffraction was observed at 3.7-4 Å. The crystal belongs to space group C222, with one molecule in the asymmetric unit.