



Experiment Report Form

The double page inside this form is to be filled in by all users or groups of users who have had access to beam time for measurements at the ESRF.

Once completed, the report should be submitted electronically to the User Office using the **Electronic Report Submission Application:**

<http://193.49.43.2:8080/smis/servlet/UserUtils?start>

Reports supporting requests for additional beam time

Reports can now be submitted independently of new proposals – it is necessary simply to indicate the number of the report(s) supporting a new proposal on the proposal form.

The Review Committees reserve the right to reject new proposals from groups who have not reported on the use of beam time allocated previously.

Reports on experiments relating to long term projects

Proposers awarded beam time for a long term project are required to submit an interim report at the end of each year, irrespective of the number of shifts of beam time they have used.

Published papers

All users must give proper credit to ESRF staff members and proper mention to ESRF facilities which were essential for the results described in any ensuing publication. Further, they are obliged to send to the Joint ESRF/ ILL library the complete reference and the abstract of all papers appearing in print, and resulting from the use of the ESRF.

Should you wish to make more general comments on the experiment, please note them on the User Evaluation Form, and send both the Report and the Evaluation Form to the User Office.

Deadlines for submission of Experimental Reports

- 1st March for experiments carried out up until June of the previous year;
- 1st September for experiments carried out up until January of the same year.

Instructions for preparing your Report

- fill in a separate form for each project or series of measurements.
- type your report, in English.
- include the reference number of the proposal to which the report refers.
- make sure that the text, tables and figures fit into the space available.
- if your work is published or is in press, you may prefer to paste in the abstract, and add full reference details. If the abstract is in a language other than English, please include an English translation.



	Experiment title: Structure determination of two human ABC transporters from the ABCG family.	Experiment number: MX-841
Beamline: ID23-2	Date of experiment: from: 6 Feb 2009 to: 7 Feb 2009	Date of report: 16 March 2010
Shifts: 2	Local contact(s): David Flot	<i>Received at ESRF:</i>

Names and affiliations of applicants (* indicates experimentalists):

Dr. Declan Doyle, University of Oxford

Dr. Frank von Delft*, University of Oxford

Dr. Ashley Pike*, University of Oxford

Report:

We had intended compiling a full dataset from a series of fast-decaying crystals, using a few frames from each crystal. We tested 50 crystals but none survived long enough to collect the minimum number of spots for our experiment ($>4\text{\AA}$).

We discovered the problem a month later: the crystals contained a contaminant of purification, namely ferritin. The project was thus abandoned, but this also explained the radiation sensitivity: ferritin has a very high content iron ions, which are known to decay rapidly.

The project was thus abandoned.

