

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 via the User Portal:

<https://www.esrf.fr/misapps/SMISWebClient/protected/welcome.do>

Reports supporting requests for additional beam time

Reports can 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: Palindromic 12-mer DNA and proteins co-crystallization with several macrocyclic compounds.	Experiment number: MX 1505
Beamline: ID29	Date of experiment: from: 11/04/2013 to: 12/04/2013	Date of report: 23/07/2014
Shifts: 1	Local contact(s): Elspeth Gordon	<i>Received at ESRF:</i>
Names and affiliations of applicants (* indicates experimentalists): Dr. Marco Ponassi* (main proposer) and Dr. Camillo Rosano*. IRCCS AOU San Martino-IST, Largo R. Benzi 10, 16132, Genova, Italia.		

Report:

During the experiment we performed on 11/04/2012, we collected several diffraction data sets from crystals obtained by a DNA dodecamer (CGCGAATTCGCG) with different calix[n]pyrrole units used as ligands. From the three dimensional structures obtained, unfortunately for us, was evident that no calixpyrrole unit was ligated in the DNA crystals. This could be mainly due to a very poor solubility in water of the calix[n]pyrrole compounds. During these last months we work hard to obtain some calix[n]pyrrole compounds with an higher solubility in water and we also have indications that a longer incubation time (between DNA and calixpyrrole derivatives) will be necessary before to set up the crystallization experiment. Moreover, new crystallization conditions will be used. Now, therefore, we are ready to ask for a new, and hopefully illuminating, shift at the ESRF.