



**Experiment title: Cambridge MRC Block Allocation Group**

The structural basis for the specificity of  
retinoid-X-receptor selective agonists

**Experiment  
number:**  
LS1669

**Beamline:**

14-2

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**Shifts:**

1

**Local contact(s):**

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*Received at ESRF:*

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**Report:**

The structural basis for the specificity of retinoid-X-receptor selective agonists

Frozen crystals of the nuclear receptor RXRb in complex with the selective agonist LG268 were brought to ESRF. Two datasets were collected to beyond 2.4Å. The crystals were thin and prone to bending. The Rmerge was 9.8% (26.4% outliers). The structure was solved by molecular replacement and refinement is nearly complete. Manuscript is in preparation. The structure reveals why RXR selective agonists are specific for RXR and do not bind other retinoid receptors.