**BAG *in situ* proposal (2 page limit) Please save as <main investigator surname>\_<date of the beamtime>**

**Title: …………………………………………**

**Investigator(s): ……………………………….**

**Contact email(s): ………………………………………**

**Names and email addresses of the investigator/s who will attend the experiment if successful: ………………………………………………………………………………………………………………..**

Describe the background to the research area, why it is important and how the current programme furthers the research area:

What do you already know about the materials? Why is XAFS and specifically *in situ* XAFS required?

What are the specific scientific questions that these experiments are going to answer?

Provide a detailed experimental plan, listing all the experiments in priority order

|  |  |
| --- | --- |
| Elemental Composition of your samples |  |
| Edges of interest |  |
| wt% of all elements in your sample |  |
| acquisition mode (transmission/fluorescence) |  |
| Sample environment to be used for your experiment (Please check if the environment is compatible with your experiments, particularly if the window material and thickness are suitable for the x-ray edge energy) |  |
| Temperatures of interest |  |
| Gases needed for the experiment (please include concentration) |  |
| Flow rate of the gases |  |
| List of samples as per priority | 1.  2.  3.  4. |
| Estimate of total time needed for the experiments (and time per sample) |  |

What resource is the group committing to data analysis?

Expected publication output:

Links (if any) to the UK Catalysis Hub projects:

Previous use of BAG allocation (if applicable please describe previous experiments, provide the BAG reference (i.e. month and year) and detail any output e,g, publications, the average time from BAG allocation to publication etc.):