**BAG *ex situ* sample submission sheet (1 page limit plus sample table) Please save as <main investigator surname>\_<date of the beamtime> (text in red can be deleted)**

**Title: …………………………………………………………..**

**Investigator(s): ……………………………………………………**

**Contact email(s): …………………………………………………………………**

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

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| Proposal Background* Describe the background to your research area
* Why is this research important?
* How does your current programme further research in this area?
* What are the specific scientific questions that these experiments are going to answer?
 | Why do you need XAFS for this study?* What information do you expect to have from XAFS?
* Do you need EXAFS or is XANES is sufficient for this study?
* If you are unsure about the need for XAFS, we recommend that you contact members of the BAG team to discuss your proposal before submission.
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| What do you already know about your materials?* What characterisation methods have you used?
* What does this characterisation show?
 | What is the current XAFS data analysis resource in your group?* Who will analyse your data?
* Would you like help in analysing your data?
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| Do you have some specific requirements? (e.g. air sensitive samples, special cells/treatment, long k-range etc.)  |
| Links (if any) to the UK Catalysis Hub. | Previous use of the BAG allocation* Have used the BAG before? Please describe previous experiments and any publication(s) resulting from BAG allocations.
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Sample table:

All the intended samples must be included in this table, in the order of priority, **including reference samples**. Only the samples included in this table will be run.

**Please use one line per sample, even if it is the same sample under different conditions (or absorption edges).**

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| --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Sample description** | **wt % (of all elements in the sample)** | **Element/ absorption edge of interest (e.g. Pd K edge, Au L3 edge..)** | **Why is this sample interesting?** | **Sample form (e.g. Pellet/capillary/liquid …)** | **Will this feature in a publication in < 6 months?** |
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Please provide a rough time estimate for your proposal. **(A typical sample in transmission takes** **~15 min and in fluorescence ~30 min)**