**Proposal for use of the Dynamic Reaction Monitoring (DReaM) Facility**

*Please read the usage guidance document and instrument limitations on the DReaM website in advance of applying.*

Name of PI:

Affiliation:

Address:

Telephone number:

Email address:

Call deadline: 29th July 2022

Standard requirements

* Is the reaction/process homogeneous (through a 0.2um PTFE filter unchanged)? Yes No
* Is the reaction/process precipitation-free for the duration of the reaction? Yes No
* Is the pressure of the reaction/process 10 bar or less? Yes No
* Is the temperature of the reaction/process between -20 °C and 80 °C? Yes No

*If the answer to any of the above questions is no, the DReaM facility in its current set-up is not able to withstand your reaction conditions. Please get in touch with Dr Catherine Lyall (*[*C.L.Lyall@bath.ac.uk*](mailto:C.L.Lyall@bath.ac.uk)*) if you are interested in running experiments that narrowly miss these criteria or would like to be updated if any of these parameters change.*

* Are there are any time restrictions within the scheduling period when the work could not take place?
* How much time are you applying for (up to 10 days)?

*For January calls work will be scheduled for the following May-October, for July calls work will scheduled for the following November-April.*

Proposal (up to 1 page)

*Please include*

* ***Details of the researcher(s) attending the Facility.*** *Note that undergraduate students may not use the facility without their supervisor. If postgraduate students are to attend without their supervisor, they should be comfortable making decisions about which experiments to undertake subsequently based on results obtained thus far.*
* *A* ***reaction scheme*** *including reagents and conditions, and any proposed intermediates*
* *Which of the DReaM* ***analytical techniques*** *this process will require. For each technique, previous data should have been obtained to indicate the suitability of the technique for monitoring the reaction.*
* *A* ***proposed schedule*** *of experiments to be monitored, indicating how long each reaction will be expected to take and how it will be initiated (heat, addition of a reagent, etc.).*
* *Any alternative reaction conditions that cause precipitation to occur (below a certain temperature/pressure, etc.)*
* *Any details of previous monitoring of this reaction, for example, in a static NMR tube or via offline sampling*
* *Likely opportunities for publication*

*If your proposal is successful, in advance of your allocated Facility time, we will also require*

* *A* ***purchase order*** *and* ***a signed copy of the contract provided by the University of Bath***
* *A telephone or videocall discussion in advance of the time allocation to discuss final details of the Facility visit*
* *A COSHH form, including details of the physical properties of the solvents/reagents to be used*
* *Sample spectra*