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|  |  | **NCCAT pre-award questionnaire**  GUP2: Chameleon access |

# GUP2 access information:

In this access phase NCCAT has the capacity for up to two (2) Chameleon grid preparation sessions per application. The workflow for this access category is as follows: 1) users will ship their sample to NCCAT, 2) our operators will iteratively optimize the experiment to maximize performance of Chameleon, and 3) ship you back up to two (2) grid boxes with up to 4 grids per grid box with a report. To ensure the highest opportunity for success we require additional information about your sample.

Note, incomplete information may prevent NCCAT from being able to match the correct resources to your project. If you do not have data to complete a section, then please state “No data available”.

*Do NOT ship any samples until NCCAT has contacted to schedule a session. Details on sample requirement and shipping information will be provided at that time.*

# NCCAT project application

**Project ID:**

**Project Name:**

**Primary User Name:**

**eRA Commons User Name:**

**Institution:**

# Sample information

**1) Name/Title of macromolecule of interest:**

**2) Molecular weight and symmetry:**

**3) Storage buffer:**

**4) Ligands/Binding partners in sample (if applicable):**

**5) Concentration of sample provided:**

**6) Please provide cryoEM feedback and plunge freezing protocol used (if available).**

**7) Additional information:**

**8) What is the BSL level of the sample?**

# Chameleon Sample Guidelines

**We make the following recommendations for Chameleon:**

**1) No less than 20 μl of protein sample, but larger amounts are preferred..**

**2) High purity, non-aggregated, stable samples.**

**3) Minimal buffer additives (ideally no organic solvents or viscous reagents).**

**4) Include all chemicals/ligands required for protein stability.**

**5) No less than 2.5x the concentration used for plunge freezing. Typically on the order of several mg/mL for standard samples.**

**6) Include 5 mL of dilution buffer that matches the sample storage buffer.**

**7) Do not lyophilize your protein.**

**Would your sample be able to meet these requirements?**

**\_\_\_ Yes | \_\_\_ No (If No, then please clarify.)**

# Confidentiality

Information will not be publicly disclosed regarding any sample applying for (or received for) GUP2: Chameleon access without the expressed written consent of the investigator(s).