

## UEC Nomination Form

*Please complete and return to CLS by December 6, 2021*

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1. Full Name:  
Cory L. Brooks
2. Position (Title) or Institution and/or PI (if graduate student):  
Associate professor, California State University Fresno
3. Years of Synchrotron Experience at various synchrotron facilities:  
10
4. History of CLS Service (Advisory Committees, Beam teams, teacher/mentor at workshops, etc)  
None
5. The CLS has four main scientific areas designated as strategic areas of research. Please indicate which area best aligns with your own research area [Agriculture, Advanced Materials, Health, or the Environment]  
Health
6. Brief description of why research at the CLS is critical to your research program (100 words)  
I am a protein crystallographer (structural biologist) who studies the interactions of therapeutic antibodies with cancer proteins and infectious disease. I have extensively used the CLS to determine the structure of numerous proteins over the past 10 years.
7. Please list a maximum of 3 publications which best represent your synchrotron work at the CLS

Mendoza, M.N., Jian, M., King, M.T., and **Brooks, C.L.** (2020) Role of a non-canonical disulfide bond in the stability, affinity and flexibility of a VHH specific for the *Listeria* virulence factor InlB. *Protein Sci.* **29**:1004-1017.

White, B., Huh, I., and **Brooks, C.L.** (2019) Structure of a VHH isolated from a naïve phage display library. *BMC Res. Notes* **12**:154-160

Toride King, M., Huh, I., Shenai, \*, Brooks, T.M., and **Brooks C.L.** (2018) Structural basis of V<sub>H</sub>H mediated neutralization of the foodborne pathogen *Listeria monocytogenes*. *J. Biol. Chem.* **293**(35):13626-13635

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*The CLS reserves the right to limit the number of elected UEC members from non-Canadian institutions to two or fewer. In the event that more than two members from non-Canadian institutions are elected, the lowest vote getter will be replaced by the highest vote getter non-elected nominee from a Canadian institution.*