Completion of this form is mandatory when proposing subcontract(s) under a federal contract for sponsored activity and the subcontract is being issued without seeking multiple bids. See Uniform Guidance Section 200.324 or the Federal Acquisition Regulation 6.302-1 for additional guidance. Email all completed forms to [subawards@research.uci.edu](mailto:subawards@research.uci.edu).

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| Proposed Subrecipient: Memorial Sloan Kettering Cancer Center | |
| Prime Sponsor: NIH | Proposed Subaward Amount: $774,697 |
| Project Title: Advancing predictive physical modeling through focused development of model systems to drive new modeling innovations | KC Doc Number: [2137510](https://apps.adcom.uci.edu/kc/kew/DocHandler.do?methodToCall=actions&command=actions&docId=2137510" \t "_blank) |
| UCI Principal Investigator: David Mobley | Department Contact: Trinh Tran |
| **Sole Source Justification**   1. Based on what expertise or resources was this particular subrecipient selected to perform the work (i.e., why is this proposed subrecipient unique)?   John Chodera’s lab consists of two key parts – a forefront computational lab focused on method development and calculation of thermodynamic properties, and a robotic wetlab capable of high-throughput automated experiments for determining thermodynamic properties, including protein expression and measurement of binding free energies on a large scale. His group’s expertise and resources on both the experimental and computational side will be critical to the success of this project.   1. Why is this particular subrecipient’s expertise or resource critical to the project?   His expertise in OpenMM and as an OpenMM developer, and the author of the simulation package Yank, is very much needed in the project. Also, his robotic wetlab is unique in academia in this field and is necessary for the experiments required.   1. The reasons (other than cost) that this subrecipient was selected over others are:   He is the foremost expert in this particular area whose group combines experiment and computation, and there is no one  else who would be able to do the experimental and computational work we need on the scale required. | |
| **Principal Investigator Verification**  By signing below, I verify that I have that I have reviewed all costs proposed by the subrecipient under this subcontract and found them to be allowable, allocable, and reasonable for the proposed statement of work.  Principal Investigator certifies that he/she does / does not have a financial interest in the proposed subrecipient.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Signature Printed Name Date | |