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: University of Maryland, College Park | |
| Prime Sponsor: NIH | Proposed Subaward Amount: $282,287.84 |
| 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)?   Lyle Isaacs’ group focuses on supramolecular, host-guest chemistry, and has focused recently on host-guest systems that are based on the cucurbiturils. These are a key focus of one of our aims, and his group is uniquely qualified for further experiments in this area. He has also been a key participant in the past two SAMPL challenges making him and Bruce Gibb (Tulane, another participant in this project) the only two experimentalists in the country with a track record in the science we focus on in the SAMPL challenge.   1. Why is this particular subrecipient’s expertise or resource critical to the project?   Isaacs will conduct a substantial fraction of the host-guest work needed for success of that aim of the project.   1. The reasons (other than cost) that this subrecipient was selected over others are:   He is the foremost expert in experimental studies of host-guest systems and his expertise as described in point 1 is  required in this project. | |
| **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 | |