BUDGET JUSTIFICATION

UNIVERSITY OF KENTUCKY

A) SENIOR/KEY PERSONNEL

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| Kenneth S. Campbell, PhD | PI of sub-contract | 0.6 calendar months |
|  | Dr. Campbell is a Professor in the Department of Physiology and the Division of Cardiovascular Medicine at the University of Kentucky. He will be responsible for supervising the myofilament-level modeling, communicating with the other project investigators, and for helping the project team to interpreting the simulation results. | |

B) OTHER PERSONNEL

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| --- | --- | --- | --- |
| Sarah Kosta, PhD | Postdoc |  | 3 calendar months |
|  | Dr. Kosta is an experienced postdoc who has been working with the FiberSim platform for ~2 years. She will perform the computer simulations required for this project and be responsible for fitting the simulations to the experimental data provided by the other investigators. | | |

C) EQUIPMENT DESCRIPTION

None

D) TRAVEL

Funds (~$3,200 in year 1, declining thereafter) are requested to allow Drs. Campbell and Kosta to travel to Penn State Medical School and the University of Vermont to further integrate the experimental and computational aims.

E) SUPPLIES

None.