**Brookhaven National Laboratory (BNL) - University of Delaware   
Seed Grant Call for Proposals 2019**

**PROJECT TITLE**

**1. PROJECT LEADS (UD and BNL) AND CONTACT EMAIL/PHONE NUMBER**

**2. PROJECT TEAM MEMBERS**

**3. ABSTRACT/SIGNIFICANCE OF THE PROPOSED WORK**

**4. DESCRIPTION OF PROPOSED RESEARCH**

**Introduction.**

**Background.**

**Research design and methods**.

**Outcomes** **and Milestones**

Please elaborate if the success of the project depends on future uncommitted availability of instrumentation or time on a beam line (for example) and how that will impact the outcomes.

**5. BENEFITS EXPECTED (General and Institutional)**

**6. PLANS FOR EXTERNAL FUNDING**

**Agencies/Programs for future sponsored funding**

**7. ADDITIONAL UD-BNL WORK AGREEMENTS NECESSARY?** (optional; only describe if necessary to support specific aspects of a UD-BNL collaboration that cannot be supported by a seed grant proposal)

**8. BUDGET ($50k total direct costs per year; 2 years)**

*Suggested categories (not exclusive; other categories can be included if necessary)*

**Please note that tuition for students must be included as a line item in the budget.**

**Year One Year Two**

***Personnel***

Salary/stipend $XXXX $XXXX

Fringe benefits $ XXX $ XXX

***Supplies***$XXX $XXX

***Equipment***$XXX $XXX

***Travel***$XXX $XXX

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**Total annual project costs** **$50,000 $50,000**

**APPENDIX: REFERENCES (Max 1 page)**

1. Thom, T.; Haase, N.; Rosamond, W.; et al., "Heart Disease and Stroke Statistics - 2006 update: A report from the American Heart Association Statistics Committee and Stroke Statistics Committee",*Circulation* **2006,** 113, e85-151.

2. Zimmermann, W. H.; Melnychenko, I.; Wasmeier, G.; et al., "Engineered Heart Tissue Grafts Improve Systolic and Diastolic Function in Infarcted Rat Hearts", *Nature Med.* **2006,** 12, 452-458.