CENTENARY COLLEGE OF LA

CAPITAL BUDGET PROJECT REQUEST FORM as of 3 Jan 20 (page 1 of 3)

Please provide the following information regarding your project request:

Name: Rebecca Murphy

Date: 2/10/2020

Title: Associate Professor, Chair

Phone No: 3184531462

Department: Biology

Email Address: rmurphy2@centenary.edu

SCOPE:

Building and Room No (s): Mickle 218

Briefly Describe Project: Improving biology lab with updated PCR technology

Improving biology lab with updated PCR technology

Type of Project:
(check all that apply):

- [ ] Office Renovation
- [x] Classroom
- [ ] Landscaping
- [ ] Lab Renovation
- [ ] Residence Hall
- [ ] Building Repairs
- [ ] Feasibility Study
- [ ] IT
- [ ] Deferred Maint.
- [x] Other (please describe)   Lab Equipment

SCHEDULING/COST:

Requested   Completion Date: 08/01/2020   Est. Cost: 27265

AUTHORIZED SIGNATURES:

Role	Signature	Date	Print Name
IT Related Approval: *For IT purchases*	*Scott Merritt* (DocuSigned by)	2/11/2020	Scott Merritt
Facilities Approval: *Building renovations/modifications*	*Chris Sampite* (DocuSigned by)	2/10/2020	Chris Sampite
Department Head:	*Rebecca Murphy* (DocuSigned by)	2/10/2020	Rebecca Murphy
Vice President:	*Karen Soul* (DocuSigned by)	2/14/2020	Karen Soul

(Forward to VPFA@centenary.edu **)**

Date of Cabinet Approval _____

F/O/A/P: _____/_____/_____/_____

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PROJECT REQUEST FORM (page 2 of 3)

Please provide the following additional information regarding your project

All new project requests must be approved by the Cabinet and be included in the FY 21 budget before work can begin.

To facilitate the project review process, the following questions in this two-page Appendix are now required to accompany all new Project Request Form (PRF) submissions. The Appendix is an opportunity for you to explain the significance and value of the project you wish to pursue for your Department. The questions listed below are questions that must be answered for each new PRF. Incomplete forms will not be included in the capital budget schedule.

If your answers are unable to fit in the space allotted below, please feel free to provide the information in a separate document attached with your PRF submission or in an email accompanying your submission.

Q1. What is the intended funding source of this project?

Capital Budget Funds [X]   [ ] **Operating Budget Funds**

Specify: Capital Request

Q2. What is your overall estimated cost for this project? If this PRF is for a preliminary/feasibility study for a larger project, please include your best estimate of what the larger project will cost. Please do *not* answer this question with "TBD" or "unknown" or "request an estimate" or a similar type of response. $: 27265

Q3. What is the academic need or business need that this project will fulfill?

The Biology Department is submitting this proposal to address a gap in pedagogy between laboratory work at the bench and corresponding computational/informatics work. In recent years, our department has been able to introduce new informatics techniques into the curriculum by making use of open source software. These approaches have allowed us to begin training students in modeling biological processes and in processing large data sets such as those derived from genome sequencing experiments. Because we are able to take advantage of cloud-based computing to perform these analyses, we are now able to give students realistic computational experiences that are on par with research institutions. Despite these

Facilities Director's Comments:

IT Director's Comments:

PROJECT REQUEST FORM (page 3 of 3)

APPENDIX

Please provide the following additional information regarding your project

Q4. What are the current limitations of the existing space? (In other words, why is this project request necessary?)

We currently have instrumentation that is at least 10 years old, and does not allow us
the capability to run more up to date, advanced experiments.

Q5. Why is it important that this project happen *this FY* (as opposed to happening in a future FY)?

This funding would help match the objectives we are currently meeting through funding
from the National Science Foundation, and allow Centenary students to do more of the
funded work on campus. We have gained momentum and have had publications with
student authorship as a result of this NSF grant, and we would like to be able to
continue moving in this direction by using more relevant techniques. This would also
pair with teaching modules, making validation of computational results much quicker
and easier to do in the classroom.

Q6. Does this project request support a new initiative, new position, or new employee? If yes, please briefly describe and include the names and positions of the new hires/candidates if known at this time.

No, though it could be used for multiple applications and could benefit new hires.

Q7. If this project request is not approved, what effect will this have on your operation?

We will still be able to run labs, but we will be teaching students on older, more
difficult techniques that they are unlikely to encounter, instead of allowing students
to be prepared for true future experiences. Additionally, it may be difficult to
continue producing student-authored publications because of the limitations of older
techniques.

Q8. Is this a one-time annual cost? **YES** [x] **NO** [ ] If NO, will it require additional on-going annual funding and do you have those funds and VP support for those annual costs? **YES** [ ] **NO** [ ]