**Sample R15-Specific Information for the Facilities & Other Resources Document**

The R15 program Notices of Funding Opportunities (NOFOs) are the primary source of information on the Facilities and Resources document. These example Facilities and Other Resources document excerpts address R15-specific instructions for the AREA and REAP R15 programs. The samples are examples only and should be adapted for the targeted R15 Notice of Funding Opportunity (NOFO). Applicants should follow the instructions in the targeted NOFO.

**For sections of the Facilities and Other Resources document that are not R15-specific, follow the instructions in the** [**Application Guide**](https://grants.nih.gov/grants/how-to-apply-application-guide.html) **and the relevant NOFO.**

**R15-Specific Information:**

**Profile**

As shown in the example below, information in this section may include but is not limited to:

* Type of institution/institutional component
* Types of degrees offered and, if appropriate, relevant majors
* Student demographics, e.g., percentage of first-generation college students and transfers from community or 2-year colleges
* Number or percentage of students who have received or gone on to receive higher degrees
* Number or percentage of students who have gone directly to positions in the biomedical/biotechnology sector. For example, for the AREA program this metric might include undergraduates who are now laboratory technicians or data analysts while for the REAP program this metric might include health professional students who are now practicing health professionals or graduate students who are now have positions in academia or industry.

**Sample Profile:**

Generic College is a liberal arts college that confers Bachelors of Arts and Bachelors of Science degrees. Generic College is dedicated to excellence in undergraduate education, and there are no graduate programs. Last school year 2125 students were enrolled, 25% of whom were first generation college students and 51% were female. In the last five years, 15-20% of students have majored in science and math with approximately 400 students receiving bachelor’s degrees. In the last five years, 25% of those graduates have enrolled in PhD programs related to health sciences; 15% have enrolled in and/or graduated from doctoral programs in medicine, dentistry, veterinary medicine, or physical therapy; 10% have enrolled in Masters programs related to health sciences. In addition, in the past 5 years approximately 5% of the students who received baccalaureates in math and science have obtained professional positions in the biomedical sciences directly after graduation. The Biology Department encourages undergraduate research and takes pride in its effectiveness in training undergraduate students through high-quality research opportunities, rigorous standards, and individual responsibility.

**Plans to inform students from diverse backgrounds of opportunities to participate in the research project**

Information in this section may include but is not limited to:

* How the Principal Investigator(s)/Program Director(s) (PD/PI(s)) will engage with existing programs, student organizations, etc. to inform students from groups underrepresented in the biomedical workforce of research opportunities.
* How the PD/PI(s) will engage with other departments/programs to inform students from various scientific disciplines of research opportunities.
* How the PD/PI(s) will engage with students at various levels to inform them of research opportunities. Possible levels include:
  + AREA: From first year undergraduates to juniors/seniors,
  + REAP: From health professional undergraduate students (first years to juniors/seniors) to health professional graduate students.
* **REAP applications:** How the PD/PI(s) will engage students from diverse groups underrepresented in the biomedical workforce to provide information on applying to graduate school and associated research opportunities.

**Special characteristics that make the institution appropriate for an R15 award**

As shown in the sample below, information in this section may include but is not limited to:

* Information on institutional efforts aimed at strengthening the research environment.
* Information on institutional programs that encourage and support:
  + AREA program: undergraduate student research
  + REAP program: health professional and/or graduate student research

**Special Characteristics Sample:**

This institution is an ideal recipient of an AREA R15 grant because it has a strong belief that student research plays a pivotal role in science education. To encourage faculty research Generic College has made an effort to hire faculty with synergistic research interests. As demonstrated by its recent successful application to the NIH RLI-S10 program for instrumentation, Generic College is also committed to improving its research infrastructure.

Our institution focuses on undergraduate students and through hands-on inquiry-based learning at all levels provides students with the appropriate background for pursuing scientific research. Generic College strongly encourages its students to participate in research opportunities by promoting student research opportunities. This institution has had an increasing number of undergraduates participating in student research projects in recent years and a limited amount of space and funding to accommodate them. The College intends to continue the school’s long held tradition and commitment to preparing students for careers in science through research, allowing them to continue to make meaningful contributions to the microbiology field. The Biology department has already established a record of success in mentoring independent, pioneering undergraduate research. In the last five years, this has led to 3 undergraduate students as co-authors on peer-reviewed journal articles and more than 20 undergraduates have presented at regional and national meetings.

**Likely impact of the R15 program on the PD/PIs**

**PD/PI Impact Sample:**

This R15 grant will have a significant and immediate impact on the PI. It will allow them to provide independent projects to 4 undergraduate students at Generic College and to strengthen the students’ preparation for graduate school, medical school and careers in the biomedical sciences. The funding will also allow the PI to hire a research technician, who can maintain cell cultures, order supplies and help maintain lab productivity when the PI is occupied with teaching and service. It will enable the PI to expand research and discoveries in the microbiology field and build on the excellent research environment at Generic College. It will enable the PI to expand research and discoveries in the microbiology field, to attend scientific conferences, provide funds for publications, and build on the excellent research environment at Generic College. Performing this research, will also help the PI stay up to date with advances in their field, thereby improving their teaching by helping them teach from experience.

**Likely impact of the R15 program on the research environment at the institution**

**AREA instructions:** “Description of the likely impact of an AREA grant on the research environment of the applicant institution.”

**REAP instructions:** “Description of the likely impact of an REAP grant on the research environment of the applicant institution.”

**Research Environment Impact Sample:**

Generic College is primarily a teaching college, hence research, while encouraged and supported, is not a priority. To help sustain the college’s mission of involving students in research, faculty must gain funding as the College does not have a big budget earmarked for research. An AREA award will provide opportunities to undergraduates seeking hands-on research and training in faculty-mentored biomedical research, exposing them to advanced research methodologies and instrumentation. Equipment purchased under an AREA award would be available to faculty with similar research needs thereby strengthening the institutional research environment. The grant would also help strengthen the research environment by encouraging faculty colleagues to pursue NIH-funded research.

**Likely impact of the R15 grant on the ability of students at the institution to gain experience conducting research**

**Student Impact Sample:**

As noted above, Generic College is strongly committed to providing students with training in research and critical thinking. The R15 award would provide additional opportunities for fulfilling these goals through direct funding of students. For example, by providing summer salaries for those undergraduates wishing to continue their projects into the summer term when research productivity is the highest. It would also augment students’ training with regular lab meetings, presentations, as well as formal and informal mentoring. This grant would also increase the Department’s efficacy of preparing students for advanced study and careers in science and medicine.

**Description of institutional resources available for the proposed research**

**Institutional Resources Sample:**

Generic College is enthusiastic and in full support of faculty and student research opportunities. In addition to the support already mentioned, the institution provides release time for faculty sponsored research. The PI’s laboratory space is continuous with the space for 2 other Biology faculty members specializing in microbiology, and the three faculty members share a floor centrifuge and other equipment. The library hosts a 3D printer that can be used to print small equipment such as test-tube racks. Through collaborations established between the biology and computer science departments, the PI also has access to data science specialists.

**Use of special facilities or equipment at other institutions**

**Special Facilities or Equipment Sample:**

Through the collaboration with Dr. X at Very-Big University (see letter of support) which is located 15 miles from Generic College, the PI and student researchers will have access to a state-of-the-art confocal microscope not available at the college. The PI and Dr. X’s research groups will meet monthly, either virtually or in person, to discuss experimental design, preliminary results and to schedule time for the PI and undergraduate researchers to use the microscope in Dr. X’s laboratory. Members of the X lab will provide training and support for the Generic College researchers. Dr. X has also agreed to host a summer undergraduate researcher from Generic College during each year of this award. These students will bring additional research expertise to the PI’s research group facilitating the microscopy experiments.