**FOR NDSU FACULTY AND STAFF SUBMITTING PROPOSALS TO THE NATIONAL INSTITUTES OF HEALTH (NIH) R15 - ACADEMIC RESEARCH ENHANCEMENT AWARD (AREA) or RESEARCH ENHANCEMENT AWARD PROGRAM (REAP)**

Provided below is NDSU narrative information that you may use or customize for use in your R15 proposal.  By request, in a separate related file, charts can be provided for more detail regarding the student numbers - that data is for YOUR information only and is not to be shared or included in your proposal. Doctoral degree data is included for five academic years (the latest available). Updates are made as new data becomes available. If you have questions, email ndsu.researchdev@ndsu.edu.

In the NIH R15 grant guidelines, there is a section called **Facilities and Other Resources**, instructing you to include the following institutional information in your proposal:

* A profile of the students of the applicant institution/academic component and any information or estimate of the number who have obtained a baccalaureate degree and gone on to obtain an academic or professional doctoral degree in the health-related sciences during the last five years.
* A description of the special characteristics of the institution/academic component that make it appropriate for an AREA grant, where the goals of the AREA program are to: (1) provide support for meritorious research; (2) strengthen the research environment of schools that have not been major recipients of NIH support; and (3) expose available undergraduate and/or graduate students in such environments to research. Include a description of the likely impact of an AREA grant on the PD(s)/PI(s) and the research environment of the institution/academic component.

You may use or customize the following NDSU information for your proposal:

**Profile of Students of the Applicant Institution (for AREA):**

At North Dakota State University (NDSU), a number of undergraduate programs prepare students to obtain an academic or professional doctoral degree in health-related sciences.  NDSU’s Institutional Research Office can verify that at least 598 students who obtained bachelor’s degrees at NDSU have gone on to receive terminal degrees, either at NDSU or elsewhere, in the five academic years between Summer 2013 to Spring 2018.  Many of these students completed NDSU’s professional Doctor of Pharmacy degree or Doctor of Nursing Practice degree. In addition, Ph.D. degrees in Psychology, Cellular and Molecular Biology, Human Development, Molecular Pathogenesis, and Pharmaceutical Sciences are available at NDSU.  Many NDSU graduates have continued their education at other institutions by obtaining terminal degrees such as Doctor of Medicine, Doctor of Optometry, Doctor of Dental Surgery and Dental Medicine, Doctor of Veterinary Medicine, Doctor of Physical Therapy, Doctor of Podiatric Medicine, Doctor of Clinical Psychology, Doctor of Chiropractic, Doctor of Occupational Therapy, Doctor of Naturopathic Medicine, and Doctor of Osteopathic Medicine. (updated 2/2019)

**Profile of Students of the Applicant Institution (for REAP):**

The College of Health Professions (CHP) has been a center of excellence at North Dakota State University (NDSU) for more than 100 years. Academic programs include: Doctor of Pharmacy, and Bachelor of Science, Master of Science, and Doctor of Philosophy in Pharmaceutical Sciences; Bachelor of Science, Master of Science in Nursing and Doctor of Nursing Practice; Bachelor of Science in Respiratory Care, Medical Laboratory Science, and Radiologic Sciences; Master of Public Health (MPH); and several dual degrees including Pharm.D./MBA, Pharm.D./Ph.D., and Pharm. D./MPH. The College offers a Native American Professions Program (NAPP) and an MPH American Indian Public Health Track.

The College has a total enrollment of 2,000 students in pre-professional, professional, and graduate programs, with 79% of the students identifying as female and 21% male. Over the last five years degree completions included 1,375 undergraduate and 539 masters, doctoral, and professional degrees (NDSU Institutional Research and Analysis Office).

Job placement in health-sciences positions for NDSU health profession graduates has been strong. Annually the NDSU Career Center collects data post-graduation on employment and additional data on placement is obtained by academic departments. Self-reported responses indicate that a majority of undergraduates have secured full-time positions in areas related to their majors. As examples, the Allied Sciences program (respiratory care, medical laboratory science and radiologic sciences) has seen a 96.5% placement rate the last five years and full-time employment for Bachelor of Science in Nursing graduates has consistently been around 100%. Masters of Public Health students have reported close to 100% placement rate as well and the Doctor of Pharmacy program has received annual student responses indicating an average of 77% of graduates secured positions in their field at the time of graduation.

(updated 6/2019)

**Special Characteristics of the Institution that make it appropriate for an R15 grant**

Founded in 1890, North Dakota State University is a land grant institution without a medical school enrolling nearly 14,500 students. Approximately 83 percent are undergraduate students and 93 percent are full time students. The average high school GPA for incoming first-year students is 3.48, and approximately 77% graduated in the top half of their class. NDSU offers more than 100 undergraduate and approximately 135 graduate degree programs of study in nine academic colleges. In 2017-18, more than 3,100 degrees and certificates were awarded at the doctoral, master’s, professional, and baccalaureate levels.  There is a significant base of research talent at NDSU with capabilities and interests that are relevant to the mission of NIH. Both graduate and undergraduate students have opportunities to take part in active research projects in fields such as biochemistry, chemistry, nutrition, psychology, human development and family science, pharmaceutical sciences, exercise science, zoology, veterinary and microbiological sciences, bioengineering, biotechnology, cellular and molecular biology, informatics as applied to biology, biomaterials, and tissue engineering.  A growing number of undergraduate research programs encourage participation, including NDSU EXPLORE, an annual campus-wide undergraduate research showcase event that invites students to present posters and give oral presentations about their research projects.

The state of North Dakota participates in the federal NIH-IDeA program and health-related research activity at NDSU has shown strong growth.  As one measure of success, NDSU has been awarded research grants through the IDeA program from NIH to establish three Centers of Biomedical Research Excellence (COBRE).  The Center for Protease Research was initially awarded $8.25M in 2001; the Center for Visual Neuroscience was established in 2004 with an initial grant of $8.9M; and the Center for Diagnostic and Therapeutic Strategies in Pancreatic Cancer was created in 2016 with an award of $9.62M. NDSU has a Masters of Public Health program with an innovative American Indian specialization and a new specialization in food safety.  NDSU offers the only accredited Doctor of Nursing Practice program in North Dakota, and the School of Nursing has been named one of the nation’s top (#73 in the U.S. among more than 3,000). The reputable School of Pharmacy within NDSU’s College of Health Professions offers MS and Ph.D. degree programs as well as duel-degree programs such as Pharm. D./Ph.D., Pharm. D./MPH, and Pharm. D./MBA. A partnership with Sanford Health System, the largest medical facility in the Fargo, ND and Sioux Falls, SD regions, offers exciting promise for researchers to better address the unique health care and nutritional needs found across the upper Midwest.

Based on research and development expenditures reported to the National Science Foundation for FY2017, NDSU ranked 91 among 400 public institutions and 130 among all 902 institutions. With more than $1.8B in research expenditures since FY2004 (more than $153.1 million in FY2017 alone), NDSU is the highest-ranking North Dakota university based on R&D expenditures. (updated 2/ 2019)

(Note: As indicated in the NIH-R15 instructions, PIs should also include a description of the impact of an AREA or REAP grant on the PI’s research program and on his/her department & college.)