

## NDSU Advance FORWARD

### Climate and Gender Equity Research Grant Program Call for Applications for 2015-2016

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**Application Deadline:** March 27, 2015

**Purpose:** To engage the university in research on climate and/or gender, develop interdisciplinary research teams, and demonstrate the value of research on climate and/or gender and the academy.

**Eligibility:** Open to all interdisciplinary research teams composed of tenure-track or tenured faculty.

**Award Period:** One year, all funds must be used by August 28, 2015.

**Total Number of Awards:** 1-3 annually

**Budget Cap:** \$10,000 per proposal

**Source of Funding:** NSF ADVANCE Grant *HRD-0811239*.

**Allowable Budget Items:** Salary; budget fringe at NDSU level, equipment, supplies, travel and publication costs. Only actual expenses are covered; no overhead/indirects are allowed. As this is an internal NDSU program, budgets do not require Sponsored Programs Administration signatures.

**Attention to the following issues will help research teams successfully frame their proposals:** Gender should be the major variable in the analysis. Teams may investigate behavioral, cognitive, affective, and social differences using methods of sociology, psychology, anthropology, economics, statistics, and other social and behavioral science and education disciplines. Successful proposals will incorporate relevant advances in research methodologies and theoretical models. They should capitalize on the development of new instrumental, computational, or statistical methods, models, and tools of observation and analysis. According to the National Research Council report, *Scientific Research in Education*, *educational research projects* should:

- i. pose significant questions that can be investigated empirically;
- ii. link relevant research to theory;
- iii. use methods that permit direct investigation of the questions posed;
- iv. provide a coherent and explicit chain of reasoning;
- v. replicate and generalize across studies; and
- vi. disclose research to encourage professional scrutiny and critique. (National Research Council, 2002)

All research proposals should, therefore, present the disciplinary (or interdisciplinary) and conceptual framework for the study. They should include a discussion of the theory or theories grounding the research and outline research questions and testable hypotheses. The proposal should discuss in detail the methods used to test the hypotheses, and if a population sample is used, this should be described along with the rationale for sample selection, and the project's access to the sample population. The proposal should address whether the design is premised on special needs and interests due to educational level, race, ethnicity, economic status, or disability, in addition to gender, and to what extent data will be disaggregated for multiple characteristics. The results should be expected to be of sufficient significance to merit peer-review and publication.

Abstracts of recent awards made through this program can be found on the FORWARD website. Typical projects funded by this program will advance understanding of gender in the academic, especially STEM, workforce and should be separate from FORWARD related programs. NDSU Advance FORWARD has a research component designed to assess the impact of NSF ADVANCE funded incentives and programs.

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**Application Format:** Application materials, saved as *one* PDF file, must include:

- Advance FORWARD Climate and Gender Equity Research Grant Program application form. Be sure all information is filled in completely.
- Project Description: Not to exceed *five* single-spaced pages including tables and figures. Write to a wide audience of potential reviewers. The project description should situate the project within the appropriate interdisciplinary scholarly research, should articulate clear research questions/goals of the research, should outline appropriate methods of inquiry to answer the research questions/meet the goals of research, and include a *timeline* demonstrating how the tasks of the project will be carried out within the timeframe for funding.
- Potential impact of the project on climate and/or advancement of women faculty, including a strategy for disseminating information on campus and beyond: Not to exceed *two* single-spaced pages.
- Budget with justification: Budget justification should not exceed *one* single-spaced page. Itemize, describe, and justify each budget item. Use the NDSU budget format <http://www.ndsu.edu/research/spa/forms/excel/NDSU%20Standard%20Budget%20Form.xls>.
- References cited. Be sure to list *all* references used.
- Curriculum Vitae – Not to exceed *two* pages per investigator (shall include education background, professional experience, honors and awards, and publications). Grant activity (current, pending, rejected) while at NDSU may be included on additional pages.

**Application Submission:** The PDF file should be submitted by email to [ndsu.forward@ndsu.edu](mailto:ndsu.forward@ndsu.edu). The subject line must read "Climate and Gender Equity Research Grant Application." Your department chair/head, dean, and all investigators must be carbon copied on the submission email message.

**An application will not be considered if:**

- The applicant is not eligible
- The research area is not clearly in climate and/or gender
- The applicant submits more than one application per round as PI
- Instructions are not followed correctly

**Obligations:**

- Awardees must submit peer reviewed journal article(s).
- Awardees must submit a brief synopsis on the use of Climate and Gender Equity Research grant at the end of the semester.
- Awardees are expected to participate in program assessment.
- Awardees must present findings to campus.
- Awardees are expected to submit a research proposal to a funding agency *within* 12 months of the end of award period.
- All scholarship resulting from this award must acknowledge support from the NDSU Advance FORWARD program sponsored by the National Science Foundation, *HRD-0811239*.

**Review Process:** Proposals will be screened for compliance by representatives of the NDSU FORWARD office. Compliant proposals will be sent to at least two external reviewers. External reviewers will be selected for technical expertise related to the research area proposed. An NDSU internal review committee will evaluate the proposals, the external evaluators' feedback, and make the award decisions. Special care will be taken to prevent conflicts of interest. Identities of all reviewers will

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remain confidential. Compliant applicants will receive internal and external review summaries. The evaluation form is posted on the FORWARD web site for your guidance as you prepare your proposal.

**External Reviewer Criteria**

- Intellectual merit and methodological rigor.
- Clarity and feasibility of objectives.
- Investigator team and relevance to NDSU Advance FORWARD goals.
- Quality of dissemination plan and potential for external funding.
- Soundness of the budget.
- Overall quality of the application.

**Internal Review Committee Criteria**

- Statement of purpose and potential for positive impact on achievement of career goals and successful promotion and/or tenure of the PI.
- Evaluation of the external reviewers' feedback.
- Soundness of the budget justification.
- Overall quality of the application.

**Contacts:** Direct inquiries to Canan Bilen-Green ([canan.bilen.green@ndsu.edu](mailto:canan.bilen.green@ndsu.edu), 1-7040) and Elizabeth Birmingham ([elizabeth.birmingham@ndsu.edu](mailto:elizabeth.birmingham@ndsu.edu), 1-6587).

**About the NDSU Advance FORWARD Program.** Funded by a five-year, \$3.7 million National Science Foundation Institutional Transformation award, the NDSU Advance FORWARD Program seeks to study and address issues of recruitment, retention, and advancement of women faculty within the STEM disciplines. The specific goals of the program are to (1) improve the climate across the campus and narrow the gap between men's and women's perceptions of the campus climate; (2) employ targeted recruiting strategies to recruit women faculty; (3) retain more women faculty through their probationary period and the promotion/tenure process; (4) support women associate professors as they move to full professor; and hire advanced rank women to build a critical mass; and (5) promote and hire women faculty into academic leadership positions.