

August 13, 2018

Ms. Suzanne H. Plimpton  
Reports Clearance Officer  
National Science Foundation  
2415 Eisenhower Ave., Suite W18253  
Alexandria, VA 22314  
*Via regulations.gov and email*

RE: National Science Foundation; Notice of Intent To Seek Approval To Extend a Current Information Collection; Notice and request for comments; 2019 National Survey of College Graduates (**Federal Register Doc. 2018-12622**)

Dear Ms. Plimpton:

We are grateful for the opportunity to comment on the National Science Foundation's proposed information collection request related to the 2019 National Survey of College Graduates (NSCG). *See* 83 Fed. Reg. 27354 (June 12, 2018). We are a group of 17 scientific organizations and associations of higher education, including the American Association for the Advancement of Science and American Association of University Professors, and 236 scientists and engineers, including 17 members of the National Academies, committed to promoting diversity in science, technology, engineering, and math (STEM) fields and inclusion of under-represented groups in our nation's STEM workforce. We write jointly with 8 scholars at the Williams Institute and other institutions who have long worked with federal agencies to improve data collection on the U.S. population and have produced widely-cited best practices for the collection of sexual orientation and gender identity information on population-based surveys.<sup>1</sup> The Williams Institute is an interdisciplinary center at the UCLA School of Law dedicated to rigorous and independent research on sexual orientation and gender identity, including on employment and education of lesbian, gay, bisexual, and transgender (LGBT) people.

Our comments address the importance and feasibility of including sexual orientation and gender identity measures on the NSCG and related surveys administered by the National Science Foundation's National Center for Science & Engineering Statistics, including the Survey of Doctorate Recipients (SDR) and the Survey of Earned Doctorates (SED). Incorporating measures of sexual orientation and gender identity into the NSCG, SDR, and SED would enhance the quality and utility of the information collected, because doing so would provide vital data on the

---

<sup>1</sup> *See* Sexual Minority Assessment Research Team (SMART), Williams Institute, *Best Practices for Asking Questions about Sexual Orientation on Surveys* (2009), <https://williamsinstitute.law.ucla.edu/wp-content/uploads/SMART-FINAL-Nov-2009.pdf>; Gender Identity in U.S. Surveillance (GenIUSS) Group, Williams Institute, *Best Practices for Asking Questions to Identify Transgender and Other Gender Minority Respondents on Population-Based Surveys* (2014), <https://williamsinstitute.law.ucla.edu/wp-content/uploads/geniuss-report-sep-2014.pdf>.

participation of LGBT people, also called sexual and gender minorities, in STEM education and their representation in our nation's STEM workforce.

Like race, sex, and other personal demographic data already collected on the NSCG, SDR, and SED,<sup>2</sup> data on the sexual orientation and gender identity of college graduates and doctoral degree holders in STEM fields would enhance the ability of the National Science Foundation, the Census Bureau, the National Science Board, and the surveys' co-sponsoring agencies – the National Institutes of Health, Department of Education, Department of Agriculture, National Endowment of the Humanities, and National Aeronautics and Space Administration – to improve the understanding of the U.S. STEM workforce. Collecting sexual orientation and gender identity information would increase the utility of official reports, including the National Science Board's *Science & Engineering Indicators* report and the National Science Foundation's *Women, Minorities, and Persons with Disabilities in Science and Engineering* report. These reports and data from the NSCG, SDR, and SED more generally are used not only by their sponsoring agencies but also by policymakers, the Office of Management and Budget, the Office of Science and Technology Policy, state and local government agencies, and educational and research institutions across the nation. Adding sexual orientation and gender identity information would further these reports' goals of providing important information on the condition and progress of the nation's STEM fields, including demographic trends, and of understanding and strengthening the participation of under-represented groups in the U.S. STEM workforce and U.S. undergraduate and graduate programs.

## **I. Including Sexual Orientation and Gender Identity Measures in the NSCG, SDR, and SED Would Enhance the Quality and Utility of the Information Being Collected**

As in previous versions of the survey, the proposed 2019 NSCG would collect some types of personal information from respondents, including race, ethnicity, sex, age, income, and disability status,<sup>3</sup> which we support. However, while the proposed NSCG would collect a variety of personal demographic information from respondents, it would not collect data on respondents' sexual orientation or gender identity. Including measures of sexual orientation and gender identity in the NSCG (as well as the SDR and SED) would enhance the quality and utility of the information being collected.

There has been a growing recognition of the need to measure sexual orientation and gender identity in the STEM workforce.<sup>4</sup> As summarized last month in the scientific journal *Nature*, recent studies show that LGBT people are experiencing disadvantages and disparities in STEM fields similar to other under-represented groups, such as racial and ethnic minorities and

---

<sup>2</sup> We note that some demographic information (e.g., race, sex) is not re-collected on the NSCG or SDR if already collected from a given respondent in a previous survey cycle (or, for the SED, if previously collected from the SDR). Throughout our comment, by collection of demographic information we refer to the availability of that information, whether it is collected on a present or previous cycle.

<sup>3</sup> National Science Foundation, National Center for Science and Engineering Statistics, *National Survey of College Graduates* (2018), <https://www.nsf.gov/statistics/srvygrads>.

<sup>4</sup> Wimberly, G. L. (2015). Conclusion and recommendations for further research. In G.L. Wimberly (Ed.), *LGBTQ Issues in Education: Advancing a Research Agenda*, pp. 237–251. American Educational Research Association. <https://books.google.com/books?hl=en&lr=&id=2YEIDwAAQBAJ>

women.<sup>5</sup> Estimates suggest that LGBT people are approximately 20% less represented in STEM fields than expected based on their prevalence in the U.S. population.<sup>6</sup> A 2018 study found that sexual-minority undergraduates were 8% more likely than their heterosexual counterparts to drop out of STEM majors, even though they were more likely to pursue relevant research experience – a pattern commonly associated with difficulties in retaining women and racial and ethnic minorities in STEM fields due to a non-supportive STEM culture.<sup>7</sup>

Indeed, several studies have shown that LGBT people encounter non-supportive environments in STEM fields. LGBT people report more negative workplace experiences in STEM fields than do non-LGBT people in those same fields, or than do LGBT people in non-STEM industries.<sup>6</sup> Among sexual-minority STEM faculty members who are ‘out’ about their sexual orientation, 69% report feeling uncomfortable in their academic department, which is related to exclusion and harassment they report.<sup>8</sup> Some STEM fields, such as chemistry, have conducted surveys on the professional environment that included questions of sexual orientation and gender identity. In a 2016 survey in chemistry, 44% of LGBT people reported that they were harassed, intimidated, or excluded at work.<sup>9</sup>

As noted by the 2018 National Academies’ *Measuring the 21st Century Science and Engineering Workforce Population: Evolving Needs* report, the science and engineering workforce “is becoming increasingly diverse...in terms of gender, race/ethnicity, and other characteristics”.<sup>10</sup> In this respect, the report highlights an evolving need:

Future recruitment, growth, and development of the nation’s scientists and engineers will depend on greater understanding not only of the diverse composition of the science and engineering workforce but also of the factors that facilitate or impede the entry, retention, and advancement of underrepresented groups in the workforce.<sup>10</sup>

Inclusion of sexual orientation and gender identity measures on the NSCG, SDR, and SED would directly address such evolving needs identified by the National Academies. Doing so would provide important data regarding how LGBT people navigate the STEM environment – from their undergraduate and graduate education through to the workforce – and where they may experience barriers to entering or remaining in STEM fields. Such data would also provide information about the experiences of LGBT people in STEM more generally, including, for

---

<sup>5</sup> Freeman, J. B. LGBTQ scientists are still left out, 36 *Nature*, 559, pp. 27-28 (July 3, 2018).

<sup>6</sup> Cech, E. A., and Pham, P.V. Queer in STEM organizations: Workplace disadvantages for LGBT employees in STEM related federal agencies. *Social Sciences* 6.1 (2017); Cech, Erin A. "LGBT professionals’ workplace experiences in STEM-related federal agencies." *Proceedings of the 2015 American Society for Engineering Education (ASEE) National Conference, Seattle, WA, USA*. 2015., <https://peer.asee.org/lgbt-professionals-workplace-experiences-in-stem-related-federal-agencies>

<sup>7</sup> Hughes, B.E., 2018. Coming out in STEM: Factors affecting retention of sexual minority STEM students. *Science advances*, 4(3), p.eaao6373.

<sup>8</sup> Patridge, E.V., Barthelemy, R.S. and Rankin, S.R., 2014. Factors impacting the academic climate for LGBTQ STEM faculty. *Journal of Women and Minorities in Science and Engineering*, 20(1).

<sup>9</sup> Wang, L (2016) LGBT chemists seek a place at the bench. *Chemical Engineering and News*, 94:41, 18–20.

<sup>10</sup> National Academies, *Measuring the 21st Century Science and Engineering Workforce Population: Evolving Needs* (2018), <https://www.nap.edu/catalog/24968/measuring-the-21st-century-science-and-engineering-workforce-population-evolving>

example, whether they are satisfied with their jobs, receiving sufficient professional support, or experiencing pay inequality.

There are many potential uses of sexual orientation and gender identity data in STEM workforce surveys. For example, such data would inform institutions, agencies, and researchers developing strategies to address under-representation or career or educational barriers experienced by LGBT people. Reports based on NSCG, SDR, and SED data, including the *Science & Engineering Indicators* and *Women, Minorities, and Persons with Disabilities in Science and Engineering* reports, are routinely used by policymakers overseeing diversity initiatives at educational and research institutions across the nation and at funding agencies, including the National Science Foundation and National Institutes of Health. Data on LGBT representation could therefore similarly inform such diversity programs, as these programs may be interested to address under-representation of LGBT people in specific STEM fields and career stages, if and where it exists. As with other under-represented groups, such diversity initiatives could include fellowships for doctoral students, scholarships for undergraduate students, or recruitment strategies for faculty, graduate students, and/or postdoctoral researchers. More generally, the data would also inform research aimed at developing interventions or paradigms to reduce disadvantages experienced by LGBT scientists and engineers.

In short, including sexual orientation and gender identity measures in the NSCG, SDR, and SED would increase the quality and utility of the information collected, because such data would enhance the understanding of diverse and under-represented groups' participation in STEM education and their representation in the STEM workforce.

## **II. Importance of Governmental Data Collection on Sexual Orientation and Gender Identity (SO/GI); SO/GI Data Collection is Becoming Increasingly Common**

Adding sexual orientation and gender identity measures to the NSCG, SDR, and SED would reflect a growing trend among federal, state, and other data collections that include demographic measures. This trend is responsive to a need succinctly described by the Federal Interagency Working Group on Improving Measurement of Sexual Orientation and Gender Identity in Federal Surveys:

At a time when sexual and gender minority (SGM) populations are becoming more visible in social and political life, there remains a lack of data on the characteristics and well-being of these groups. In order to understand the diverse needs of SGM populations, more representative and better quality data need to be collected.<sup>11</sup>

A growing number of federal government surveys allow people to voluntarily disclose their sexual orientation and/or gender identity. Examples of federal government surveys that collect these data include the National Health Interview Survey, Behavioral Risk Factor

---

<sup>11</sup> Federal Interagency Working Group on Improving Measurement of Sexual Orientation and Gender Identity in Federal Surveys, *Current Measures of Sexual Orientation and Gender Identity in Federal Surveys* (2016), [https://s3.amazonaws.com/sitesusa/wp-content/uploads/sites/242/2014/04/WorkingGroupPaper1\\_CurrentMeasures\\_08-16.pdf](https://s3.amazonaws.com/sitesusa/wp-content/uploads/sites/242/2014/04/WorkingGroupPaper1_CurrentMeasures_08-16.pdf).

Surveillance System, Youth Risk Behavior Surveillance System, National Survey for Family Growth, and National Crime Victimization Survey, among others.<sup>11</sup> Further, several state and local government surveys also collect data on sexual orientation and gender identity, such as the California Health Interview Survey,<sup>12</sup> as do several large surveys administered by private entities, most notably Gallup through its Daily Tracking Survey.<sup>13</sup>

While more and better data are needed, governmental and other data collections that include measures of sexual orientation and gender identity have allowed researchers to begin to describe the size of the LGBT population and LGBT people's demographics; employment, housing, and family circumstances; health and well-being; and the discrimination and disparities they face. These data are vital to policymaking in order to ensure that stereotypes and myths are not driving policies that impact LGBT people, and so that programs and services are appropriately targeted at vulnerable LGBT populations. For example, we now know that there are an estimated 11 million LGBT individuals living in the U.S.<sup>13</sup> We also know from the data that the LGBT population is remarkably diverse and that the experiences of LGBT people are not uniform but, rather, are shaped by factors such as race, ethnicity, socioeconomic status, geographical location, primary language, education, disability, religion, family composition, and age.<sup>14</sup> We have also learned that LGBT people are more likely to be in poverty than non-LGBT people,<sup>15</sup> contrary to the popular stereotype of LGBT affluence, and that LGBT people face persistent and pervasive discrimination in employment, housing, educational, and other important settings.<sup>16</sup> Noting the disadvantages LGBT people are facing in STEM fields (see Section I), the inclusion of sexual orientation and gender identity measures in STEM workforce surveys (NSCG, SDR, and SED) would provide similarly vital information about the experiences, career trajectory, and representation of LGBT people in STEM fields.

### **III. Experience Indicates NSCG, SDR, and SED Respondents Would Willingly and Accurately Disclose Their Sexual Orientation And Gender Identity**

Federal and other population-based surveys that collect sexual orientation and gender identity data indicate NSCG, SDR, and SED respondents would be willing and are able to answer questions about their sexual orientation and gender identity, and doing so would not raise privacy or other concerns. As an initial matter, we note that the National Science Foundation's National Center for Science & Engineering Statistics and the Census Bureau (who directly administers the NSCG) remove respondents' names and other identifying information, in

---

<sup>12</sup> National Cancer Institute, Division of Cancer Control and Population Sciences, *National Health Interview Survey* (2018), <https://healthcaresdelivery.cancer.gov/chis>

<sup>13</sup> Gallup, *In U.S., Estimate of LGBT Population Rises to 4.5%* (2018), <https://news.gallup.com/poll/234863/estimate-lgbt-population-rises.aspx>

<sup>14</sup> Institute of Medicine, *The Health of Lesbian, Gay, Bisexual, and Transgender People: Building a Foundation for Better Understanding* (2011), <http://www.iom.edu/Reports/2011/The-Health-of-Lesbian-Gay-Bisexual-and-Transgender-People.aspx>.

<sup>15</sup> Badgett et al., Williams Institute, *New Patterns of Poverty in the Lesbian, Gay, and Bisexual Community* (2013), <http://williamsinstitute.law.ucla.edu/wp-content/uploads/LGB-Poverty-Update-Jun-2013.pdf>.

<sup>16</sup> See, e.g., Pizer et al., Evidence of Persistent and Pervasive Workplace Discrimination Against LGBT People, 45 Loy. L.A. L. Rev 715 (2012); James et al., Nat'l Ctr. for Transgender Equality, *Report of the 2015 U.S. Transgender Survey* 44-45 (2016), <http://www.transequality.org/sites/default/files/docs/usts/USTS%20Full%20Report%20-%20FINAL%201.6.17.pdf>.

addition to other measures, to protect respondents' confidentiality. And federal law protects the confidentiality of individually identifiable information collected by these agencies.<sup>17</sup>

Experience shows that respondents are willing to answer questions about their LGBT status. Indeed, the Federal Interagency Working Group on Improving Measurement of Sexual Orientation and Gender Identity in Federal Surveys has explained that “[m]ost surveys incorporating [sexual orientation and gender identity] items have not found higher nonresponse rates than other ‘sensitive’ questions, such as personal or household income.”<sup>18</sup> Likewise, federal surveys incorporating these measures and other research demonstrate that including sexual orientation and gender identity questions does not cause survey breakoff.<sup>19</sup>

Although nearly all college graduates and doctoral degree holders taking the NSCG, SDR, and SED are adults, the sample includes those who would be considered young adults. Experiences with other federal government and population-based surveys show that youth and young adults are capable and willing to answer questions about sexual orientation and gender identity. For example, as the Sexual Minority Assessment Research Team report explained, “[s]exual orientation questions have been asked on large-scale school-based surveys of adolescents around the world since the mid-1980’s.”<sup>20</sup> For instance, the National Survey of Youth in Custody includes a measure of sexual orientation,<sup>20</sup> and the National Youth Risk Behavior Survey successfully includes respondents as young as 13 and has included sexual orientation measures since 2015. The National Survey of Family Growth, which includes respondents as young as 15, has included a sexual orientation behavior measure for many years.<sup>21</sup>

While sexual orientation and gender identity data should be treated with the same concern for confidentiality of respondents as any other demographic category, there is no rational basis to single out the questions on sexual orientation and gender identity as warranting special concern about the sensitivity of this type of information. As noted above, sexual orientation and gender identity measures do not have materially higher non-response rates than other potentially

---

<sup>17</sup> U.S. Census Bureau, National Survey of College Graduates, Frequently Asked Questions (2018), <https://www.census.gov/programs-surveys/nscg/respondent/faqs.html>

<sup>18</sup> Federal Interagency Working Group on Improving Measurement of Sexual Orientation and Gender Identity in Federal Surveys, *Current Measures of Sexual Orientation and Gender Identity in Federal Surveys* (2016), [https://s3.amazonaws.com/sitesusa/wp-content/uploads/sites/242/2014/04/WorkingGroupPaper1\\_CurrentMeasures\\_08-16.pdf](https://s3.amazonaws.com/sitesusa/wp-content/uploads/sites/242/2014/04/WorkingGroupPaper1_CurrentMeasures_08-16.pdf); see also Saewyc, E.M. et al., Measuring sexual orientation in adolescent health surveys: Evaluation of eight school-based surveys, 35 *J. of Adolescent Health* 345 (2004) (“These studies indicate that orientation items, although sensitive questions, are no more sensitive or more likely to be skipped than other sexual risk behavior questions. This finding can reassure researchers and school administrators who are concerned that such items might be too sensitive for most students to answer, and who worry that nonresponse rates will render the results inaccurate and of limited use.”).

<sup>19</sup> See, e.g., Landers et al., Presentation: Developing Data for Advocacy (National LGBTI Health Summit: 2007); Case, *Disclosure of Sexual Orientation and Behavior in the Nurses' Health Study II: Results from a Pilot Study*, 51 *J. Homosexuality* 13 (2006).

<sup>20</sup> Bureau of Justice Statistics, Data Collection: National Survey of Youth In Custody (NSYC), <https://www.bjs.gov/index.cfm?ty=dcdetail&iid=321> (last visited May 5, 2018); Bureau of Justice Statistics, NYSC Questionnaire—Younger Youth 5 (2011) [https://www.bjs.gov/content/pub/pdf/nsyc\\_yy12.pdf](https://www.bjs.gov/content/pub/pdf/nsyc_yy12.pdf); Bureau of Justice Statistics, NYSC Questionnaire—Older Youth, 5 (2011), [https://www.bjs.gov/content/pub/pdf/nsyc\\_oy12.pdf](https://www.bjs.gov/content/pub/pdf/nsyc_oy12.pdf).

<sup>21</sup> See Anjani Chandra et al., Sexual Behavior, Sexual Attraction, and Sexual Identity in the United States: Data From the 2006–2008 National Survey of Family Growth, 36 *National Health Statistics Reports* 1 (Mar. 3, 2011), <https://www.cdc.gov/nchs/data/nhsr/nhsr036.pdf>.

sensitive personal questions. Moreover, according to the Federal Interagency Working Group, “[the] perceived sensitivity of questions can affect the willingness of survey practitioners to include [sexual orientation and gender identity] questions even when inclusion of these measures would support agency mission and data needs.”<sup>22</sup> In this case, the inclusion of these measures strongly supports the mission of the National Science Foundation and furthers the goals of several federal agencies, as described in Section I.

We recognize that sexual orientation and gender identity questions could be sensitive for certain respondents, although there is no reason to believe they would be more sensitive than other questions, such as income or disability status. And even if the sexual orientation and gender identity questions would be sensitive for some respondents, the questions would be voluntary, as is the case in other federal government surveys and recommended by the Federal Interagency Working Group. Thus, no respondent would be forced to answer these questions. In other federal government surveys, these questions frequently have “don’t know” and “something else” or “none of these” response options, giving respondents options for responding to these questions if they are uncomfortable disclosing or unsure about their sexual orientation or gender identity.<sup>1</sup> In addition, as described earlier, responses are highly confidential and are strongly protected under federal law.

In short, previous experiences in governmental and other data collection suggest that NSCG, SDR, and SED respondents will not encounter any issues in willingly and accurately disclosing information about sexual orientation and gender identity. Nor will such disclosures introduce issues of confidentiality or privacy, a high non-response rate, or survey breakoff.

#### **IV. The NSCG, SDR, and SED Have Sufficiently Large Samples to Produce Reliable Estimates Related to Sexual Orientation And Gender Identity**

The Federal Interagency Working Group on Improving Measurement of Sexual Orientation and Gender Identity in Federal Surveys cautions that small samples may lead to significant errors in estimation and description and/or an inability to produce reliable estimates related to sexual orientation and gender identity.<sup>22</sup> However, the current sample sizes of the NSCG, SDR, and SED are all sufficiently large, and thus there is no rational basis for concerns related to small sample sizes in the context of these STEM workforce surveys.

For instance, recent versions of other federal government surveys, such as the National Health Interview Survey and National Survey of Family Growth, entailed sample sizes of approximately 87,500<sup>23</sup> and 10,000,<sup>24</sup> respectively, and both surveys currently collect information about sexual orientation. Sample sizes of the NSCG are far larger: the NSCG has a

---

<sup>22</sup> Federal Interagency Working Group on Improving Measurement of Sexual Orientation and Gender Identity in Federal Surveys, *Evaluations of Sexual Orientation and Gender Identity Survey Measures: What Have We Learned?* (2016), [https://s3.amazonaws.com/sitesusa/wp-content/uploads/sites/242/2014/04/Evaluations\\_of\\_SOGI\\_Questions\\_20160923.pdf](https://s3.amazonaws.com/sitesusa/wp-content/uploads/sites/242/2014/04/Evaluations_of_SOGI_Questions_20160923.pdf).

<sup>23</sup> Center for Disease Control and Prevention, *National Health Interview Survey* (2018), [https://www.cdc.gov/nchs/nhis/about\\_nhis.htm](https://www.cdc.gov/nchs/nhis/about_nhis.htm)

<sup>24</sup> Center for Disease Control and Prevention, *National Survey of Family Growth* (2018) [https://www.cdc.gov/nchs/nsfg/about\\_nsfg.htm](https://www.cdc.gov/nchs/nsfg/about_nsfg.htm)

sample of approximately 135,000, the SDR approximately 120,000, and the SED approximately 55,000.<sup>10</sup> Thus, concerns of small sample size are unwarranted.

The NSCG, SDR, and SED routinely ask about race and ethnicity information, and many of the race and ethnicity classifications have a prevalence in the U.S. population that is smaller than that of LGBT people. For instance, the 2017 *Women, Minorities, and People with Disabilities in Science and Engineering* report provides recent estimates of each race and ethnicity classification's prevalence in the U.S. population, so as to permit comparison with corresponding percentages in science and engineering fields. For the following four race and ethnicity classifications included in the 2017 report (and collected in the NSCG, SDR, and SED), their prevalence estimate in the U.S. population is:

- Asian: 5.3%
- American Indian or Alaska Native: 0.7%
- Native Hawaiian or other Pacific Islander: 0.2%
- Two or more races (not Hispanic): 2.0%<sup>25</sup>

Despite being quite small, STEM workforce surveys currently provide full data on each of these race and ethnicity classifications. Most recent estimates of the prevalence of LGBT people in the U.S. adult population, according to the Gallup's 2017 Daily Tracking Survey (n=340,604), is 4.5%.<sup>13</sup> This prevalence is roughly on par or only slightly smaller than that of the U.S. Asian population, and is considerably higher than those of the other three race and ethnicity classifications. Thus, the NSCG, SDR, and SED currently collect information on race and ethnicity classifications that have expected samples smaller than those of LGBT people.

Finally, reports of NSCG, SDR, and SED data, such as the *Women, Minorities, and People with Disabilities in Science and Engineering* report, typically suppress a cell of data only if the sample constituting that data cell is less than 0.1% (due to concerns of an unreliable estimate or that so few respondents raises concerns of identifiability), and this is far lower than 4.5%. Dividing into specific subgroups and intersections with other demographic information in theory could lead to subgroup samples constituting less than 0.1% or where concerns of unreliability of identifiability are relevant. However, as with the race and ethnicity classifications currently collected with even smaller samples, such specific LGBT subgroup data could be suppressed wherever necessary. That certain subgroups or intersections may have overly small sample sizes does not warrant the wholesale exclusion of sexual orientation and gender identity information more generally.

Given that federal surveys with smaller sample sizes than the NSCG, SDR, and SED already currently collect sexual orientation and gender identity information, and that these STEM workforce surveys routinely collect information related to race and ethnicity classifications that have smaller prevalence in the U.S. population than LGBT people, concerns of unreliable or invalid estimates of LGBT people in STEM workforce surveys have no substantive support.

---

<sup>25</sup> National Science Foundation, National Center for Science & Engineering Statistics, *2017 Women, Minorities, and Persons with Disabilities in Science and Engineering Report* <https://www.nsf.gov/statistics/2017/nsf17310/data.cfm>



## V. Conclusion

The National Science Foundation is committed to promoting diversity in STEM fields and providing resources to ensure that science and engineering are inclusive to all.<sup>26</sup> Collecting sexual orientation and gender identity data on the NSCG, SDR, and SED would provide vital information about LGBT participation in the STEM pipeline – from undergraduate and graduate education through to the workforce – and LGBT representation among our nation’s scientists and engineers. This information would enhance the ability of the National Science Foundation and other federal agencies to provide critical data and support to the scientific community and to advance the future of the U.S. STEM workforce.

Thank you for your consideration. We look forward to opportunities to discuss with you further. Please direct any correspondence to [jon.freeman@nyu.edu](mailto:jon.freeman@nyu.edu).

Respectfully Submitted,

Jonathan B. Freeman, PhD  
Associate Professor of Psychology and Neural Science  
New York University

Adam P. Romero, JD  
Arnold D. Kassoy Scholar of Law  
Director of Legal Scholarship and Federal Policy  
Williams Institute, UCLA School of Law

Laura Durso, PhD  
Vice President, LGBT Research and Communications  
Center for American Progress

### **Institutional Signatories:**

American Association for the Advancement of Science (AAAS)

American Association of University Professors (AAUP)

American Anthropological Association (AAA)

American Educational Research Association (AERA)

American Psychological Association (APA)

Association of Population Centers (APC)

---

<sup>26</sup> National Science Foundation, Office of the Director, *Broadening Participation* (2018), <https://www.nsf.gov/od/broadeningparticipation/bp.jsp>

American Society for Engineering Education (ASEE)

Consortium of Social Science Associations (COSSA)

Federation of Associations in Behavioral and Brain Sciences (FABBS)

Inter-university Consortium for Political and Social Research (ICPSR)

Linguistic Society of America (LSA)

National Organization of Gay and Lesbian Scientists and Technical Professionals (NOGLSTP)

Out in Science, Technology, Engineering, and Mathematics (oSTEM)

Population Association of America (PAA)

Society for Experimental Social Psychology (SESP)

Society for Personality and Social Psychology (SPSP)

Society for Research in Child Development (SRCD)

**Individual Signatories (members of the National Academies listed first):**

Natalie G. Ahn, PhD  
Member, National Academy of Sciences  
Professor of Chemistry and Biochemistry  
University of Colorado at Boulder

Mahzarin R. Banaji, PhD  
Member, National Academy of Sciences  
Richard Clarke Professor of Social Ethics  
Harvard University

Carolyn R. Bertozzi, PhD  
Member, National Academy of Sciences  
Anne T. and Robert M. Bass Professor of Chemistry  
Stanford University

Axel Brunger, PhD  
Member, National Academy of Sciences  
Professor of Molecular and Cellular Physiology  
Stanford University

Lynn Ann Conway, PhD  
Member, National Academy of Engineering  
Professor of Electrical Engineering and Computer Science, Emerita  
University of Michigan, Ann Arbor

Ronald S. Duman, PhD  
Member, National Academy of Medicine  
Elizabeth Mears and House Jameson Professor of Psychiatry, Professor of Neuroscience  
Yale School of Medicine

Susan T. Fiske, PhD  
Member, National Academy of Sciences  
Eugene Higgins Professor of Psychology and Public Affairs  
Princeton University

Susan A. Gelman, PhD  
Member, National Academy of Sciences  
Heinz Werner Distinguished University Professor  
University of Michigan

Richard L. Huganir, PhD  
Member, National Academy of Sciences  
Bloomberg Distinguished Professor  
Johns Hopkins University School of Medicine

Raymond Jeanloz, PhD  
Member, National Academy of Sciences  
Professor of Earth & Planetary Sciences and Astronomy  
University of California, Berkeley

Jay D. Keasling, PhD  
Member, National Academy of Engineering  
Professor of Chemical & Biomolecular Engineering and Bioengineering  
University of California, Berkeley

John H. Krystal, MD  
Member, National Academy of Medicine  
Robert L. McNeil, Jr. Professor of Translational Research, Professor of Psychiatry  
Yale School of Medicine

Robert C. Malenka, MD, PhD  
Member, National Academy of Sciences  
Member, National Academy of Engineering  
Member, National Academy of Medicine  
Nancy Friend Pritzker Professor in Psychiatry and Behavioral Sciences  
Stanford University

Eric J. Nestler, MD, PhD  
Member, National Academy of Medicine  
Nash Family Professor of Neuroscience  
Icahn School of Medicine at Mount Sinai

James T. Randerson, PhD  
Member, National Academy of Sciences  
Ralph J. and Carol M. Cicerone Professor of Earth System Science  
University of California, Irvine

Henry L. Roediger, III, PhD  
Member, National Academy of Sciences  
James S. McDonnell Distinguished University Professor  
Washington University in St. Louis

Elizabeth S. Spelke, PhD  
Member, National Academy of Sciences  
Marshall L. Berkman Professor of Psychology  
Harvard University

Christian N. Adames, AB  
Graduate Student  
Teachers College, Columbia University

Alex Aslam Ahmed  
Doctoral Student  
Northeastern University

David M. Amodio, PhD  
Associate Professor of Psychology  
New York University

Derek Applewhite, PhD  
Assistant Professor of Biology  
Reed College

Joshua Aronson, PhD  
Associate Professor of Applied Psychology  
New York University

Emily Balcetis, PhD  
Associate Professor of Psychology  
New York University

Lisa Feldman Barrett, PhD  
University Distinguished Professor of Psychology  
Northeastern University

Laura Baumgartner , PhD  
Instructor of Biology  
Front Range Community College

Jay Van Bavel, PhD  
Associate Professor of Psychology  
New York University

Mark Baxter, PhD  
Professor of Neuroscience  
Icahn School of Medicine at Mount Sinai

Lauren B. Beach, JD/PhD  
Postdoctoral Research Fellow  
Northwestern University

Elliot Berkman, PhD  
Associate Professor of Psychology  
University of Oregon

Rick A. Bevins, PhD  
Chair and Professor of Psychology  
University of Nebraska - Lincoln

Benjamin de Bivort, PhD  
Thomas D. Cabot Associate Professor of Organismic and Evolutionary Biology  
Harvard University

Bronwyn H. Bleakley, PhD  
Associate Professor of Biology  
Stonehill College

Walter Bockting, PhD  
Professor of Medical Psychology (in Psychiatry and Nursing)  
Columbia University

Adair Borges, BS  
Graduate Student  
University of California, San Francisco

Nathaniel Braffman  
PhD Candidate  
Harvard University

Natalie Brito, PhD  
Assistant Professor  
New York University

Catherine Brown, MA  
Graduate Student  
University of Nebraska-Lincoln

Christina M. Brown, PhD  
Associate Professor of Psychology  
Arcadia University

William R Buchanan, PhD  
Executive Director  
Performing Arts & Creative Education Solutions Consulting

Tyler Burleigh, PhD  
Research Scientist  
Data Cubed LLC

Carlos Cardenas-Iniguez, MA  
Graduate Student, Psychology  
University of Chicago

Anna Carter, PhD  
Postdoctoral Research Associate  
Iowa State University

Stephen J. Ceci, PhD  
Helen L. Carr Professor of Developmental Psychology  
Cornell University

Pauline Charbogne, PhD  
Postdoctoral fellow  
Johns Hopkins University

Robert S. Chavez, PhD  
Assistant Professor of Psychology  
University of Oregon

Jacqueline M. Chen, PhD  
Assistant Professor of Psychology  
University of Utah

Nicholas D. Chiappini, BA  
Graduate Student  
Stanford University

Jason C. Chow, PhD  
Assistant Professor of Special Education  
Virginia Commonwealth University

Joseph Cimpian, PhD  
Associate Professor of Economics and Education Policy  
Chair, Scholars and Advocates for Gender Equity in Education Research (AERA)  
New York University

Andrei Cimpian, PhD  
Associate Professor of Psychology  
New York University

Jasmin Cloutier, PhD  
Assistant Professor of Psychological & Brain Sciences  
University of Delaware

Kim Cobb, PhD  
Georgia Power Chair and ADVANCE Professor  
Professor of Earth and Atmospheric Sciences  
Georgia Tech

Shana Cole, PhD  
Assistant Professor of Psychology  
Rutgers University

Anthony G. Collins  
University President  
Clarkson University

Kent Connell, BS  
PhD Candidate in Ecology  
Kansas State University

Matthew Davis, MSc  
PhD Candidate  
University of New South Wales

Sarah DeArmond, PhD  
Associate Professor of Management & Human Resources, Department Chair  
University of Wisconsin Oshkosh

Jasmine DeJesus, PhD  
Assistant Professor of Psychology  
University of North Carolina at Greensboro

Amanda B. Diekman, PhD  
Professor of Psychological & Brain Sciences  
Indiana University

Roland Dunbrack, PhD  
Professor of Biochemistry and Molecular Biophysics  
Fox Chase Cancer Center

James Dunlea, BS, MS  
Graduate Student  
Columbia University

Fred Duong, MA  
Graduate Student  
Northeastern University

Juan F. Duque, PhD  
Assistant Professor of Psychology  
Arcadia University

Alice H. Eagly, PhD  
Professor of Psychology  
Northwestern University

Neville Eclov, PhD  
Radiation Therapy Physics Resident  
Duke University

Roberto Efrain-Diaz  
Graduate Student  
University of California, San Francisco

Anke A. Ehrhardt, PhD  
Professor of Medical Psychology (in Psychiatry)  
Columbia University



Tanya Marie Evans, PhD  
Assistant Professor of Education  
University of Virginia

Dominic Fareri, PhD  
Assistant Professor of Psychology  
Adelphi University

Brian Feinstein, PhD  
Research Assistant Professor  
Northwestern University

Melissa Ferguson, PhD  
Professor of Psychology  
Cornell University

Timothy Fessenden, PhD  
Postdoctoral Fellow  
Massachusetts Institute of Technology

Kara Finnigan, PhD  
Professor of Educational Leadership  
University of Rochester

Sarah Fischer, MA  
Graduate Student  
University of Nebraska-Lincoln

Andrew R. Flores, PhD  
Assistant Professor of Political Science, Mills College  
Visiting Scholar  
Williams Institute, UCLA School of Law

Stephen J. Flusberg, PhD  
Associate Professor of Psychology  
Purchase College, SUNY

Heather Forsythe  
Graduate Student  
Oregon State University

Emily Foster-Hanson  
PhD Student  
New York University

Kathryn Fox, MA  
PhD Student  
Harvard University

Kurt Fraser, BS, MA  
Graduate Student  
Johns Hopkins University

Paolo Gabrielli, PhD  
Research Scientist  
The Ohio State University

Sarah Gaither, PhD  
Assistant Professor of Psychology  
Duke University

Alexia Galati, PhD  
Assistant Professor of Psychological Science  
University of North Carolina at Charlotte

Siddharth Garg, PhD  
Assistant Professor of Electrical and Computer Engineering  
New York University

Nanette Gartrell, MD  
Visiting Distinguished Scholar  
Williams Institute, UCLA School of Law

Jason C. Garvey, PhD  
Assistant Professor of Higher Education and Student Affairs  
University of Vermont

Dylan Gee, PhD  
Assistant Professor of Psychology  
Yale University

Jennifer Glass, PhD  
Assistant Professor of Earth & Atmospheric Sciences  
Georgia Institute of Technology

Miriam B Goodman, PhD  
Professor of Molecular & Cellular Physiology  
Stanford University

Adam D. Gracz, PhD  
Assistant Professor of Genetics  
University of North Carolina at Chapel Hill

Deanna J. Greene, PhD  
Assistant Professor of Psychiatry  
Washington University School of Medicine

Oliver Grundmann, PhD  
Clinical Associate Professor of Medicinal Chemistry  
University of Florida

Joshua A Haby, MA, MLS  
Graduate Student  
University of Nebraska-Lincoln

Kathryn Hamilton, PhD  
Assistant Professor of Pediatrics  
Children's Hospital of Philadelphia

Nicholas R Harp, BA  
Graduate Student in Psychology  
University of Nebraska-Lincoln

Michelle Harran, BS  
Graduate Student  
Johns Hopkins University

Eric Hehman, PhD  
Assistant Professor of Psychology  
McGill University

Jody L. Herman, PhD  
Scholar of Public Policy  
Williams Institute, UCLA School of Law

Melissa Herman, PhD  
Assistant Professor of Pharmacology  
University of North Carolina, Chapel Hill

Joscelin Rocha Hidalgo  
PhD Student  
Georgetown University

Mary Himmelstein, PhD  
Postdoctoral Fellow  
University of Connecticut

Jennifer S. Hirsch, PhD  
Professor of Sociomedical Sciences  
Columbia University, Mailman School of Public Health

Mark Hoffarth, PhD  
Postdoctoral Fellow  
New York University

Mirya R. Holman, PhD  
Associate Professor of Political Science  
Tulane University

Olivia L. Holmes, PhD  
Assistant Professor of Psychology  
Tennessee State University

Charles Phillip Holmes II, BS  
PhD Student, Oceanography  
Texas A&M University

Nicole Horenstein, PhD  
Associate Professor of Chemistry  
University of Florida

Tonda L. Hughes, PhD, RN, FAAN  
Henrik H. Bendixen Professor of International Nursing, Professor of Nursing (in Psychiatry)  
Columbia University Medical Center

Allison Hung  
Undergraduate  
Columbia University

Jeffrey M. Hunger, PhD  
Postdoctoral Fellow  
University of California, Los Angeles

Ian Hussey  
Postdoctoral Fellow  
Ghent University, Belgium

Scott Imberman, PhD  
Professor of Economics and Education Policy  
Michigan State University

Tiffany Ito, PhD  
Professor of Psychology and Neuroscience  
University of Colorado Boulder

Anne Jefferson, PhD  
Associate Professor of Geology  
Kent State University

J. David Jentsch, PhD  
Empire Innovation Professor of Psychology  
Binghamton University

Kerri Johnson, PhD  
Professor of Psychology  
University of California, Los Angeles

Camille Johnson, PhD  
Acting Director, School of Management  
San Jose State University

Kenneth Joseph, PhD  
Assistant Professor of Computer Science and Engineering  
SUNY Buffalo

John T Jost, PhD  
Professor of Psychology and Politics  
New York University

Sophie Jurgensen, BS, BA  
Graduate Student, NSF GRF Fellow  
Louisiana State University

Mike Kaiser, PhD  
Instrument Manager  
California State University at Northridge

Shamus Khan, PhD  
Professor of Sociology, Department Chair  
Columbia University

Laura A. King, PhD  
Curators' Distinguished Professor  
University of Missouri Columbia

Olivia Kirtley, PhD  
Postdoctoral Fellow  
KU Leuven

Mark Krzmarzick, PhD  
Assistant Professor of Civil and Environmental Engineering  
Oklahoma State University

Candace Lapan, PhD  
Assistant Professor of Psychology  
Wingate University

Gina Lee-Glauser, PhD  
Vice President for Research & Scholarship  
Clarkson University

Nikki Legate, PhD  
Assistant Professor of Psychology  
Illinois Institute of technology

Cynthia Levine, PhD  
Postdoctoral Fellow  
Northwestern University

Neil Lewis, Jr., PhD  
Assistant Professor of Communication and Social Behavior  
Cornell University

Julie Libarkin, PhD  
Professor of Earth and Environmental Sciences  
Michigan State University

Phui Cheng Lim, PhD  
Postdoctoral Fellow  
University of Nebraska-Lincoln

Corinna Loeckenhoff, PhD  
Associate Professor of Human Development  
Cornell University

Jason Londo, PhD  
Adjunct Associate Professor of Integrative Plant Science  
USDA/Cornell

Debbie S. Ma, PhD  
Associate Professor of Psychology  
California State University Northridge

Christy Mallory, JD  
Director of State and Local Policy  
Williams Institute, UCLA School of Law

Tara M. Mandalaywala, PhD  
Assistant Professor of Psychological and Brain Sciences  
University of Massachusetts Amherst

Freddie Marquez, BS  
Graduate Student  
University of California, Irvine

Joshua Martin, PhD  
Assistant Professor of Biology  
Colby College

Sara E. Mason, PhD  
Associate Professor of Chemistry  
University of Iowa

Allison Master, PhD  
Research Scientist, Institute for Learning & Brain Sciences  
University of Washington

Elisabetta Matsumoto, PhD  
Assistant Professor of Physics  
Georgia Tech

Justin L. Matthews, PhD  
Assistant Professor of Psychology  
California State University, Monterey Bay

Iris Mauss, PhD  
Associate Professor of Psychology  
UC Berkeley

Gary McDowell, PhD  
Executive Director  
Future of Research

Matthew McGill, PhD  
Research Scientist  
Goddard Space Flight Center

Patrick McGonigal, BA  
Graduate Student in Clinical Psychology  
University of Nebraska Lincoln

Matthias Mehl, PhD  
Professor of Psychology  
University of Arizona

Pranjal Mehta, PhD  
Senior Lecturer of Experimental Psychology  
University College London

Peter Mende-Siedlecki, PhD  
Assistant Professor of Psychology  
University of Delaware

Ilan H. Meyer, PhD  
Williams Distinguished Senior Scholar of Public Policy  
Williams Institute, UCLA School of Law

Seth J. Meyer, LMSW, PhD  
Assistant Professor of Political Science  
Bridgewater State University

Paul Meyer, PhD  
Associate Professor of Psychology  
University at Buffalo

Heino F. L. Meyer-Bahlburg, PhD  
Professor of Clinical Psychology (in Psychiatry)  
Vagelos College of Physicians & Surgeons of Columbia University

Nicholas M Michalak, MS  
PhD Candidate  
University of Michigan



Kalina Michalska, PhD  
Assistant Professor of Psychology  
University of California, Riverside

Alyssa Mikytuck, MPP  
Graduate Student  
Georgetown University

David I. Miller, PhD  
Researcher  
American Institutes for Research

Daniel Lee Millimet, PhD  
Professor of Economics  
Southern Methodist University

Tessa Montague, PhD  
Postdoctoral Fellow  
Harvard University

Jin Montclare, PhD  
Professor of Chemical and Biomolecular Engineering  
New York University

Katherine Moore, PhD  
Assistant Professor of Psychology  
Arcadia University

Ethan Morgan, PhD  
Postdoctoral Fellow  
Northwestern University

David Moskowitz, PhD  
Research Assistant Professor  
Northwestern University

Corinne Alison Moss-Racusin, PhD  
Assistant Professor of Psychology  
Skidmore College

Mary C. Murphy, PhD  
Associate Professor and Associate Vice Provost for Student Diversity and Inclusion  
Indiana University

Maital Neta, PhD  
Assistant Professor of Psychology  
University of Nebraska-Lincoln

John M. Nicoludis, PhD  
Postdoctoral Fellow  
University of California, San Francisco

Julie K Norem, PhD  
Hamm Professor of Psychology  
Wellesley College

Danielle Findley-Van Nostrand, PhD  
Assistant Professor of Psychology  
Roanoke College

James S. Nowick, PhD  
Professor of Chemistry  
University of California, Irvine

Tehila Nugiel, MS  
Graduate Student  
The University of Texas at Austin

Philip Nussenzweig  
MD/PhD Student, Clinical Fellow  
The Rockefeller University

Jessica O'Brien  
Undergraduate  
New York University

Paul A. O'Keefe, PhD  
Assistant Professor of Psychology  
Yale-NUS College

Allison P. O'Leary, PhD  
Assistant Professor of Psychology  
Brevard College

Kristina Olson, PhD  
Associate Professor of Psychology  
University of Washington

Christina Padilla, MPP  
PhD Student  
Georgetown University

Elizabeth Levy Paluck, PhD  
Professor of Psychology and Public Affairs  
Princeton University

Dr. Shauna M Paradine, PhD  
Assistant Professor of Chemistry  
University of Rochester

Dipanwita Pati, PhD  
Postdoctoral Fellow  
UNC-Chapel Hill

Karl J. Petersen, PhD  
Researcher  
Curie Institute

Rachel Pizzie, PhD  
Postdoctoral Fellow  
Georgetown University

Nick D. Pokorzynski, BSc  
Graduate Student  
Washington State University

Morgan Polikoff, PhD  
Associate Professor of Education  
University of Southern California

Marisa Putnam, MPP  
Graduate Student  
Georgetown University

Kimberly Quinn, PhD  
Associate Professor of Psychology  
DePaul University

Kristina Rapuano, PhD  
Postdoctoral Fellow  
Yale University

Thomas Remble, MS, MPH, DHS  
Director of Research, IMPACT  
Northwestern University

Kelly Rentscher, PhD  
Postdoctoral Scholar  
University of California, Los Angeles

Shawn Rhoads, BA.  
PhD student  
Georgetown University

Abigail Riemer, MA  
Doctoral Student, NSF Fellow  
University of Nebraska-Lincoln

Charles Samuel Henry Robinson, BS, MSc  
PhD Candidate  
The University of New Mexico

Troy A. Roepke, PhD  
Associate Professor of Animal Sciences  
Rutgers University

Fred Rubino  
Graduate Student  
Harvard University

Stephen T. Russell, PhD  
Priscilla Pond Flawn Regents Professor in Child Development  
Chair, Department of Human Development and Family Sciences  
University of Texas at Austin

Jocelyn Samuels, JD  
Executive Director and Roberta A. Conroy Scholar of Law  
Williams Institute, UCLA School of Law

Eric J. Schelter, PhD  
Professor of Chemistry  
University of Pennsylvania

Eric W. Schrimshaw, PhD  
Associate Professor of Sociomedical Sciences  
Columbia University

Gabriel Schwartz  
PhD Candidate  
Harvard University

John Sciarappo  
Graduate Student  
New York University

Heather Sheridan, PhD  
Assistant Professor of Psychology  
University at Albany, State University of New York

Jeffrey Sherman, PhD  
Professor of Psychology  
UC Davis

Margaret Shih, PhD  
Professor of Psychology  
University of California, Los Angeles

Wolfgang Sigmund, PhD  
Professor of Materials Science and Engineering  
University of Florida

Jennifer Silvers, PhD  
Assistant Professor of Psychology  
University of California, Los Angeles

Gale M. Sinatra, PhD  
Stephen Crocker Professor of Education  
University of Southern California

Christofer Skurka, MS  
PhD Candidate in Communication  
Cornell University

Pamela K. Smith, PhD  
Associate Professor of Economics and Strategic Management  
University of California, San Diego

Jeanine Stefanucci  
Associate Professor of Psychology  
University of Utah

Janet D. Stemwedel, PhD  
Professor of Philosophy  
San Jose State University

Steven J. Stroessner, PhD  
Professor of Psychology  
Barnard College

Daphna Stroumsa, MD, MPH  
Clinical Lecturer in Obstetrics & Gynecology  
University of Michigan

Brittany Lynne Sutherland, PhD  
Postdoctoral Fellow  
University of Arizona

Abigail L. S. Swann, PhD  
Associate Professor of Atmospheric Science and Biology  
University of Washington

Elise Swanson  
Graduate Student  
University of Arkansas

Courtney Sobers Swindell, PhD  
Assistant Teaching Professor  
Rutgers University-Newark

Rae Thomas, MA  
Behavioral Health Counselor - ERC  
University of Nebraska - Lincoln

Amy O. Tsui, PhD  
Professor of Population, Family and Reproductive Health  
Johns Hopkins Bloomberg School of Public Health

Lucina Uddin, PhD  
Associate Professor of Psychology  
University of Miami

James S. Uleman, PhD  
Professor of Psychology  
New York University

Fernanda Vasconcelos, PhD  
Postdoctoral Fellow  
University of Florida

Bess Vlasisavljevich, PhD  
Assistant Professor of Chemistry  
University of South Dakota

Austin Wadle, BA  
PhD Student  
Duke University

Abraham Waldman, PhD  
Postdoctoral Fellow  
Stanford University

Micaiah Ward, BSc  
PhD Candidate in Cellular and Molecular Biology  
Florida State University

Omar Wasow, PhD  
Assistant Professor of Politics  
Princeton University

Ryan Watson, PhD  
Assistant Professor of Human Development and Family Studies  
University of Connecticut

Bradley M. Weisz, PhD  
Assistant Professor of Psychology  
California State University, Long Beach

Brenton M. Wiernik, PhD  
Assistant Professor of Psychology  
University of South Florida

Katie Wilkinson, PhD  
Associate Professor of Biological Sciences  
San Jose State University

Wendy M. Williams, PhD  
Professor of Human Development  
Cornell University

Bianca D.M Wilson, PhD  
Rabbi Barbara Zacky Senior Scholar of Public Policy  
Williams Institute, UCLA School of Law

Joseph P. Wilson, PhD  
Senior Education Consultant  
American Institutes for Research

Matthew Wipperman, PhD  
Research Scholar  
Memorial Sloan Kettering Cancer Center

Daniela Witten, PhD  
Professor of Statistics and Biostatistics  
University of Washington

Lisa Xu  
PhD Candidate  
Harvard University

Jeffrey M Yau, PhD  
Assistant Professor of Neuroscience  
Baylor College of Medicine

Jeremy B. Yoder, PhD  
Assistant Professor of Biology  
California State University Northridge

Joshua Zosky, BA  
Graduate Student  
University of Nebraska-Lincoln

Arnold M. Zwicky, PhD  
Distinguished University Professor of Linguistics, Emeritus  
The Ohio State University