# Survey of Women Physicians' Experience with Elected Leadership Positions 

Sasha K. Shillcutt,,* Sareh Parangi, ${ }^{2,3}$ Sarah Diekman, ${ }^{4}$ Reem Ghalib, ${ }^{5}$ Robin Schoenthaler, ${ }^{6}$ Linda M. Girgis,' Ranna Parekh, ${ }^{3,8,9}$ Hansa Bhargava, ${ }^{10}$ and Julie K. Silver ${ }^{3,11-13}$


#### Abstract

Purpose: Women physicians do not advance in academic promotion or leadership at the same rate as their male counterparts. One factor contributing to academic promotion and advancement is the experience of serving in elected leadership positions. Although >400 women are running for political office in 2018 , fewer than a handful are physicians and there has never been a woman physician elected to the Congress. Yet, little is known about women physicians who run for elected positions within their institutions, medical/professional societies, or government. This study sought to examine how women physicians experience elections using a cross-sectional survey of women physicians to gain insight into patterns of reported experiences and perceived barriers to elected leadership positions. Methods: A cross-sectional survey study of 1221 women physicians. Results: $43.8 \%(N=535)$ of women physicians ran for an elected office from high school through medical school graduation, in contrast to only $16.7 \%(N=204)$ after graduating from medical school. Only $8.5 \%$ of women physicians surveyed reported a boss or supervisor encouraged them to run for an elected position. Conclusion: Women physicians are less likely to run for elected positions and for those with previous election experience, the most common barriers cited were lack of institutional time and support, experience, and mentorship.


Keywords: women in medicine; gender equity; women physicians; leadership; elections

## Introduction

Numerous studies have documented the disparity between men and women in leadership roles in medicine, particularly at the highest levels. ${ }^{1-11}$ For example, Schor found that only $15 \%$ of U.S. medical school deans were women, and the positions they held tended to focus more on image and education as opposed to men who were more likely to focus on corporate strategy and pol-
icy, finance, or government relations. ${ }^{12}$ She concluded that gender stereotypes continue to drive the dearth and roles of women in these positions. Helitzer et al. reported that women in academic medicine were not advancing at the expected rate according to critical mass theory, which asserts that once the proportion of women faculty reaches a threshold of $\sim 30 \%$, their impact on the culture of academic medicine should be

[^0]evident. ${ }^{13}$ After following 1273 faculty at 24 U.S. medical schools for 17 years, Carr et al. recently reported that "women were less likely than men to achieve the rank of full professor" (odds ratio [OR] $=0.57 ; 95 \%$ confidence interval $[C I]=0.43-0.78) .{ }^{14}$ After the authors adjusted for publications, they found that while "differences by gender in retention and attainment of senior rank were no longer significant...male faculty were more likely to hold senior leadership positions" ( $\mathrm{OR}=0.49$; $95 \% \mathrm{CI}=0.35-0.69$ ). ${ }^{13}$ Because women were less likely to advance into senior-level leadership roles, even after adjusting for publication-related productivity, the researchers called on institutions to examine the climate for women to enable them to more fully realize their academic capital and to ensure there is equal opportunity for leadership.

Holding an elected position at one's institution or medical organization is an important step along the path to academic promotion and career advancement for physicians. Elected positions offer the establishment of a national and international reputation, a key requirement for promotion. How elected positions contribute to the advancement of women in medicine is not well described, and there is little information available about women's experiences with elections. To our knowledge, this is the first study in the literature to evaluate trends and patterns of women physicians running for office.

In this cross-sectional survey, we aimed to increase understanding of women physicians' experiences with elections, including whether demographic factors (e.g., ethnicity/race, practice setting, specialty, and children) influenced their experience with and interest in running for elected office. Beyond demographic factors, we also evaluated previous experiences with elections to identify factors that may influence one's willingness to run in the future. For example, we questioned whether a previous electoral success might positively impact a woman's willingness to run again, or if they were unsuccessful, whether that may adversely affect their interest in running for elected office in the future. Finally, we wanted to learn more about what women physicians perceive are the barriers to elected office (e.g., lack of experience and reputational risk) and what they think may help overcome these barriers (e.g., protected time to run and financial support).

## Methods

Study design
The Institutional Review Board at the University of Nebraska Medical Center approved this study. A crosssectional survey was posted in two online Facebook
groups of women physicians: the Physician Mom Group (PMG; $N=60,000$ ) and Style M.D. (SMD; $N=7265$ ). The software utilized was SurveyMonkey ${ }^{\circledR}$ (San Mateo, CA), and each participant was asked to complete the survey only once. The survey was posted in each group for a total of 28 days, from April 26, 2018 to May 24, 2018. The survey collected data on participants' demographics (age, race, ethnicity, and medicine specialty) and questioned participants' opinions about, experience with, and external support for running for elected positions, in addition to perceived personal barriers in running for office. The questions were designed to evaluate trends in running for elected offices during both medical training (undergraduate and medical school) and later as practicing physicians (Table 1).

## Statistical analysis

We used descriptive statistics to evaluate whether demographic factors (e.g., ethnicity/race, practice setting, specialty, and children) influenced the participant's experience and interest in running for elected positions. We also used descriptive statistics to evaluate women physicians' perceptions of barriers to running for elected offices and how to overcome them.

## Previous experience with elections

Beyond demographic factors, we hypothesized that previous experience with elections may influence a woman physician's willingness to run in the future. Estimated ORs and $95 \%$ CIs were used to ascertain if previous experience with elections predicted a woman physician's willingness to run for elected office in the future.

## Perceptions of barriers and how to overcome them

We also used descriptive statistics to evaluate perceived barriers to running for elected offices and how to overcome them. Further analysis to identify barriers and possible solutions for future interventions was carried out on all survey respondents to see if a respondent would consider running for office in the future. In other words, we wanted to know the barriers faced by the respondents who said they would consider running in the future.

## Results

A total of 1221 women completed the survey for analysis; 898 women from the PMG ( $n=900 / 71,000,1.3 \%$ response rate) and 320 women from the SMD group ( $n=320 / 7265,4.4 \%$ response rate). The majority of participants were in the 30-39 age group (52.3\%), followed by the $40-49$ age group. Nearly all the

## Table 1. Survey Questions of Women Physician Participants

Election history and outcomes
(1) Have you ran for an elected office during your school (high school thru medical school) years?
(2) If yes, did you win?
(3) Since you finished your medical training have you ever run for an elected office at your workplace?
(4) If you ran for an elected office at work, did you win?
(5) Since you finished your medical training have you ever run for an elected office at medical or other professional society?
(6) If you ran for an elected office at a medical or professional society, did you win?
(7) Since you finished your medical training have you ever run for an elected political/government office (local, regional, national)?
(8) If you ran for an elected political/government office, did you win?

Reasons to run for elected positions
(1) In the past, have you considered running for an elective position?
(2) In the past, has anyone encouraged you to run for office?
(3) Who has encouraged you to run for office?
(4) Did the person/people who encouraged you to run in the past offer specific support that would help you to be successful in your candidacy?
(5) What else would encourage you to run for office?

Barriers to running for elected positions
(1) When considering whether you will run for an elected position in the future, what PERSONAL BARRIERS do you think you will face for an elective position?
(2) When considering whether you will run for an elected position in the future, what OTHER BARRIERS do you think you will face?
Women physicians in elected positions
(1) It is important to have women physicians in elected offices, because they provide value in improving health care delivery.
(2) It is important to have women physicians in elected offices in medical and/or professional societies, because they provide value to the organization.
(3) It is important to have women physicians in elected government/ political offices, because they provide a more balanced dialogue over important policy issues.
(4) More women physicians should be in elected positions at work.
(5) More women physicians should be in elected positions in medical and/or professional societies.
(6) More women physicians should be in elected positions in the government.
Future possibility of running for elected positions
(1) In the future, I would consider running for an elected office at work.
(2) In the future, I would consider running for an elected office at a medical or professional society.
(3) In the future, I would consider running for an elected political office.
(4) Learning more about disparities in compensation, promotion and other problems for women physicians has encouraged me to consider running for office in the future.
(5) Learning more about how patients are suffering and the need for policy changes has encouraged me to consider running for office in the future.
(6) Watching the current people in office do their jobs ineffectively has encouraged me to consider running for office in the future.
(7) If I was connected to a team of highly skilled individuals who offered me both training and financial support, I would consider running for political office in the future.
participants identified themselves as being an attending physician ( $94 \%$ ) and $44.5 \%$ were in academic practice. Demographics of the participants are listed in Table 2 and included women physicians from all over the world, with the vast majority from North America.

Table 2. Demographics of Women Physician Participants (Female Gender, $N=100 \%$ )

| Survey participants | $N=1221, n(\%)$ |
| :---: | :---: |
| Age, years |  |
| 20-29 | 8 (0.7) |
| 30-39 | 639 (52.3) |
| 40-49 | 478 (39.1) |
| 50-59 | 80 (6.5) |
| 60-69 | 12 (1.0) |
| 70 plus | 2 (0.2) |
| No response | 2 (0.2) |
| Ethnicity |  |
| Hispanic | 83 (6.8) |
| Race |  |
| Non-Hispanic White or Euro-American | 910 (74.5) |
| Asian, Pacific Islander | 208 (17.0) |
| Black, Afro-Caribbean, or African American | 54 (4.4) |
| South Asian or Indian American | 17 (1.4) |
| Native American or Alaskan | 8 (0.7) |
| Other/no response | 8 (0.7) |
| Middle Eastern or Arab American | 7 (0.6) |
| East Asian or Asian American | 5 (0.4) |
| Latino or Hispanic American | 4 (0.3) |
| Level of medical training |  |
| Attending/practicing physician | 1148 (94.0) |
| Nonpracticing physician | 19 (1.6) |
| Fellow | 26 (2.1) |
| Resident | 26 (2.1) |
| Medical student | 1 (0.1) |
| Practice setting |  |
| University/academic | 543 (44.5) |
| Private practice | 379 (31.0) |
| Other | 235 (19.2) |
| Self-employed | 30 (2.5) |
| N/A | 8 (0.8) |
| Primary medical specialty |  |
| Internal medicine | 270 (22.1) |
| Other (ethics, genetics, hospice, etc.) | 19 (15.6) |
| Pediatrics | 159 (13) |
| Family medicine | 152 (12.4) |
| Obstetrics and gynecology | 104 (8.5) |
| Surgery | 82 (6.7) |
| Anesthesiology | 74 (6) |
| Emergency medicine | 74 (6) |
| Psychiatry | 64 (5.2) |
| Physical medicine and rehabilitation | 37 (3) |
| Neurology | 35 (2.9) |
| Radiology | 35 (2.9) |
| Critical care medicine | 21 (1.7) |
| Pathology | 21 (1.7) |
| Dermatology | 13 (1) |
| Ophthalmology | 19 (1.6) |
| Pathology | 21 (1.7) |
| Working status |  |
| Full time | 1014 (83) |
| Part time | 118 (15.4) |
| Currently not working/no response | 19 (1.5) |
| Relationship status |  |
| Married | 1129 (92.4) |
| In a committed relationship | 45 (3.7) |
| Single/other/no response | 48 (3.9) |
| Children |  |
| 1 or more school-aged children | 1062 (87) |
| Adult child(ren) only older than 18 years | 63 (5.2) |
| No children | 61 (5) |
| 1 or more nonschool-aged children | 34 (2.8) |
| No response | 1 (0.1) |

## Previous experience with elections

The survey found that $43.8 \%(n=535)$ of women physicians ran for an elected office from high school through medical school graduation, in contrast to only $16.7 \%(n=204)$ after graduating from medical school. A total of $38.8 \%$ of women physicians reported winning an election from their high school through medical school years, whereas $12 \%$ reported winning after graduating from medical school (Table 3). Although $43.2 \%(n=527)$ of the women reported having considered running for elected office, a minority of respondents ( $29.5 \%$ ) reported they were encouraged to run by another person, and only $8.5 \%$ said they had a boss or supervisor encourage them to run for an elected position. Of the women who previously ran for elected office at their workplace since completion of their medical training, age was found to be associated with running for elected positions, whereas race, specialty, or having children (either of school age or nonschool age) were not. A test for trend association between running for office and reported age demonstrated that as the age group of the respondents increased, so did the percent running for elected positions ( $p<0.001$ ).

## Perceived barriers and how to overcome them

The most commonly reported internal barriers were lack of experience (57.6\%), being uncomfortable with self-promotion (50.6\%), and not a good use of time (31.3\%). The most common external barriers were lack of time/work support (87.1\%), lack of experience or training in running for office (57.5\%), and lack of mentorship (43.8\%). Of interest, only $18.8 \%$ of women reported lack of qualifications as a reason not to run for elected office, whereas nearly a third ( $28.7 \%$ ) responded they did not think others would consider them to be qualified for the job (Table 3).

The majority of women physicians surveyed agreed or strongly agreed that having women in elected offices would improve health care delivery ( $95 \%$ ) and bring value to health care societies and national organizations ( $96.9 \%$ ). The majority ( $58.7 \%$ ) also reported they would consider running for an elected office in the future at their workplace, and $49.6 \%$ said they would consider running for an elected office in their medical or professional society.

## Discussion

This survey revealed that women are less likely to run for elected positions after finishing medical training

Table 3. Survey Responses from Women Physicians on Elections

|  | Ran for office, \% (n) | Won an election, \% ( $n$ ) |
| :---: | :---: | :---: |
| Election history and outcomes |  |  |
| High school, medical school, residency and fellowship | 43.8 (535) | 38.8 (474) |
| Postmedical training | 16.7 (204) | 12.1 (148) |
| Ran for office at workplace | 16.7 (204) | 12.1 (148) |
| Ran for office at medical/professional society | 13.5 (165) | 9.9 (121) |
| Ran for government office (local, regional, national) | 0.9 (11) | 0.7 (8) |
| Experience with running for elected positions |  |  |
| Considered running for an elected position in the past | 43.2 (527) |  |
| Has been encouraged to run for elected position in the past | 29.5 (360) |  |
| Boss/supervisor encouraged her to run for office | 8.3 (101) |  |
| Beliefs on women physicians in elected positions | Agree/strongly agree |  |
| It is important to have women physicians in elected offices because |  |  |
| They provide value in improving health care delivery | 95 (1161) |  |
| They provide value to the organization | 96.9 (1183) |  |
| They provide a more balanced dialogue over important policy | 94.5 (1154) |  |
| More women physicians should be in elected positions in |  |  |
| Workplace | 95.4 (1165) |  |
| Medical and/or professional societies | 96.3 (1176) |  |
| Government | 95.9 (1170) |  |
| Future possibility of running for elected positions | Agree/strongly agree |  |
| In the future, I would consider running for an elected office at |  |  |
| Workplace | 55.1 (672) |  |
| Medical and/or professional societies | 49.6 (606) |  |
| Government | 17.8 (217) |  |
| Perceived barriers to running for elected positions in the future |  |  |
| Lost time from family | 87.1 (1063) |  |
| Lack of experience | 57.5 (702) |  |
| Uncomfortable with self-promotion | 50.6 (618) |  |
| Lack of mentorship | 43.8 (535) |  |

than before completion, despite the fact that the majority of respondents thought there should be more women physicians in elected positions. Second, although a large percentage of women physicians surveyed (43.2\%) had considered running for an elected position, fewer than $10 \%$ were encouraged to do so by a boss or supervisor.

## Previous experience with elections

Our study found a decrease in the number of women physicians who ran for elected offices after completing their medical training. Although 43.8\% ran for elected office before finishing residency, only $16.7 \%$ reported doing so after finishing residency (Fig. 1). Elected positions are important for physicians interested in academic promotion and also for physicians wishing to influence society and government issues in health care. Since 1960 in the U.S. Congress-some of the highest elected positions in the country-50 physicians have run for public office and only two have been women. ${ }^{15}$ Initial studies conducted by major medical societies demonstrate that $>80 \%$ of elected offices are held by male physicians. ${ }^{11}$

Our study suggests that women physicians are more likely to run for elected positions during their medical training, and a significant drop-off occurs with women physicians in practice, suggesting a transition point in the career trajectory that should be further evaluated. Of interest, when we broke out the group of respondents who did report running for office after medical training, advanced age was found to be associated with running for an elected position. This finding suggests that as women advance in their careers, they are more likely to run for an elected position. A common explanation of these findings is
that women with children have responsibilities that impede running for an office, yet our study did not find that association. This suggests there may be other contributing factors, beyond the common theory that child-rearing impedes women at all stages of their careers, to run for elected positions.

## Perceived barriers and how to overcome them

An important part of this study was to gain an understanding of the common barriers women physicians report in their reluctance to run for elected office. Our study found that lack of protected time and work support, lack of experience, and lack of mentorship were the most common factors women physicians cite as barriers to running for elected office. In addition, fewer than $10 \%$ of the women physicians reported being encouraged to run for an elected position by their bosses or supervisors (Fig. 2). This finding is similar to previous studies demonstrating that women physicians lack sponsorship and mentorship, an important part of leadership, advancement, and promotion. ${ }^{16-19}$ Future studies examining the role of sponsors in supporting women physicians, and institutional support to run for elected office, may provide targeted interventions to increase the likelihood of women choosing to run.

## Limitations

Limitations of the study included the following: (1) the survey questions were given to one population, women physicians, at one point in time with no comparison group, that is, male physicians. Another limitation was that the majority of respondents were sourced from an online group of physicians who are mothers


FIG. 1. Drop-off of women physicians running for elected positions.


FIG. 2. Reported data on women physicians running for elected positions in their institutions, medical/professional societies, and government.
who therefore may represent a biased sample for age and motherhood. (2) As there is a scarcity of data on this topic in the literature, similar studies were not available for comparison. It is important to note that although the survey response rate was low, it is in keeping with other survey studies that used online groups of women physicians. (3) Social media was used to distribute the survey and thus may have sampled a younger subset of the physician workforce.

## Conclusion

This study revealed that women physicians are less likely to run for elected positions after completing their medical training. For those with previous election experience, the most common barriers cited were lack of institutional time and support, experience, and men-
torship. Although most of the women physicians in this survey agreed that women should be in elected positions, fewer than $10 \%$ reported ever being encouraged to run by a supervisor or boss. The literature is sparse with regard to the role that elected positions have in the advancement of women in medicine, and further research is needed.

## Acknowledgments

The authors thank Lace Sindt, RN, for her administrative help with the study and Dr. Danstan Bagenda for his statistical analysis.

## Authors' Contributions

Sasha K. Shillcutt, MD, participated in study design, data collection, analysis and interpretation; writing
and editing content. Sareh Parangi, MD, participated in data collection and interpretation, writing and editing content. Sarah Diekman, MD, participated in data collection and interpretation. Reem Ghalib, MD, participated in data collection and interpretation. Robin Schoenthaler, MD, participated in data collection and interpretation. Linda M. Girgis, MD, participated in data collection and interpretation. Ranna Parekh, MD, participated in data collection and interpretation. Hansa Bhargava, MD, participated in data collection and interpretation and editing content. Julie K. Silver, MD, participated in study design; data collection, analysis and interpretation; writing and editing content.

## Author Disclosure Statements

S.K.S.: Owner of Brave Enough LLC. S.P., S.D., R.G., R.S., L.M.G., R.P., H.B., J.K.S.: No competing financial interests exist.

## References

1. Lautenberger DM, Dandar VM, Raezer CL, et al. The state of women in academic medicine: the pipeline and pathways to leadership. Washington, DC: Association of American Medical Colleges, 2014.
2. Jena $A B$, Khullar D, Ho O, et al. Sex differences in academic rank in US medical schools in 2014. JAMA 2015;314:1149-1158.
3. Boiko JR, Anderson AJ, Gordon RA. Representation of women among academic grand rounds speakers. JAMA Intern Med. 2017;177:72-724.
4. Eloy JA, Svider PF, Cherla DV, et al. Gender disparities in research productivity among 9952 academic physicians. Laryngoscope 2013;123: 1865-1875.
5. Raj A, Carr PL, Kaplan SE, et al. Longitudinal analysis of gender differences in academic productivity among medical faculty across 24 medical schools in the United States. Acad Med. 2016;91:1074-1079.
6. Amrein K, Langmann A, Fahrleitner-Pammer A, et al. Women underrepresented on editorial boards of 60 major medical journals. Gend Med. 2011;8:378-387.
7. Silver JK, Slocum CS, Bank AM, et al. Where are the women? The underrepresentation of women physicians among recognition award recipients from medical specialty societies. PM R. 2017;9:804-815.
8. Ricciotti HA, Dodge LE, Aluko A, et al. Geographic comparison of women in academic obstetrics and gynecology department-based leadership roles. Obstet Gynecol. 2017;130:853-861.
9. Pohlhaus JR, Jiang H, Wagner RM, et al. Sex differences in application, success, and funding rates for NIH extramural programs. Acad Med. 2011; 86:759-767.
10. Klein RS, Voskuhl R, Segal BM, et al. Speaking out about gender imbalance in invited speakers improves diversity. Nat Immunol. 2017;18:475-478.
11. Silver JK, Ghalib R, Poorman JA, et al. Analysis of gender equity in leadership of physician-focused medical specialty societies, 2008-2017. JAMA Internal Med. 2019.
12. Schor NF. The decanal divide: women in decanal roles at U.S. medical schools. Acad Med. 2018;93:237-240.
13. Helitzer DL, Newbill SL, Cardinali G, et al. Changing the culture of academic medicine: critical mass or critical actors? J Womens Health (Larchmt). 2017;26:540-548.
14. Carr PL, Raj A, Kaplan SE, et al. Gender differences in academic medicine: retention, rank, and leadership comparisons from the national faculty survey. Acad Med. 2018;93:1694-1699.
15. Mershon E. Grassroots group tries to get a new kind of doctor in the House (and Senate). 2018. Available at https://www.statnews.com/2018/ 01/12/women-doctors-congress/ Accessed September 10, 2018.
16. Sambunjak D, Straus SE, Marušić A. Mentoring in academic medicine: a systematic review. JAMA 2006;296:1103-15
17. Edmunds LD, Ovseiko PV, Shepperd S, et al. Why do women choose or reject careers in academic medicine? A narrative review of empirical evidence. Lancet 2016;388:2948-58.
18. DeCastro R, Griffith KA, Ubel PA, et al. Mentoring and the career satisfaction of male and female academic medical faculty. Acad Med. 2014;89:301.
19. Travis EL, Doty L, Helitzer DL. Sponsorship: a path to the academic medicine c-suite for women faculty? Acad Med. 2013;88:1414-1417.

Cite this article as: Shillcutt SK, Parangi S, Diekman S, Ghalib R, Schoenthaler R, Girgis LM, Parekh R, Bhargava H, Silver JK (2019) Survey of women physicians' experience with elected leadership positions, Health Equity 3:1, 162-168, DOI: 10.1089/heq.2018.0101.

| Abbreviations Used |  |
| ---: | :--- |
| Cl | $=$ confidence interval |
| OR | $=$ odds ratio |
| PMG | $=$ Physician Mom Group |
| SMD | $=$ Style M.D. |




[^0]:    ${ }^{1}$ Department of Anesthesiology, University of Nebraska Medical Center, Omaha, Nebraska.
    ${ }^{2}$ Department of Surgery, Harvard Medical School, Boston, Massachusetts.
    ${ }^{3}$ Department of Surgery, Massachusetts General Hospital, Boston, Massachusetts.
    ${ }^{4}$ College of Law, Florida Agricultural and Mechanical University, Orlando, Florida.
    ${ }^{5}$ Texas Clinical Research Institute, Arlington, Texas.
    ${ }^{6}$ Department of Radiation Oncology, Massachusetts General Hospital, Boston, Massachusetts.
    ${ }^{7}$ Department of Family Medicine, Rutgers Robert Wood Johnson Medical School, Piscataway, New Jersey.
    ${ }^{8}$ American Psychiatric Association, Washington, DC.
    ${ }^{9}$ Morehouse School of Medicine, Atlanta, Georgia.
    ${ }^{10}$ Department of Pediatrics, Children's Healthcare of Atlanta, Atlanta, Georgia.
    ${ }^{11}$ Department of Physical Medicine and Rehabilitation, Harvard Medical School, Boston, Massachusetts.
    ${ }^{12}$ Brigham and Women's Hospital, Boston, Massachusetts.
    ${ }^{13}$ Department of Physical Medicine and Rehabilitation, Spaulding Rehabilitation Hospital, Charlestown, Massachusetts.
    *Address correspondence to: Sasha K. Shillcutt, MD, MS, FASE, Department of Anesthesiology, University of Nebraska Medical Center, 984455 Nebraska Medical Center, Omaha, NE 68198-4455, E-mail: sshillcu@unmc.edu
    © Sasha K. Shillcutt et al. 2019 Published by Mary Ann Liebert, Inc. This Open Access article is distributed under the terms of the Creative Commons License (http://creativecommons.org/licenses/by/4.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

