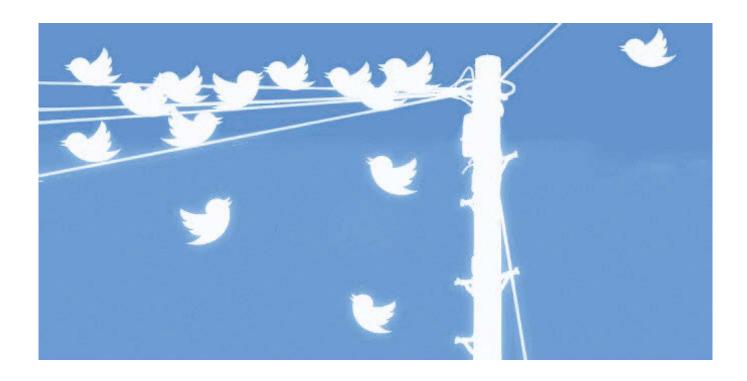
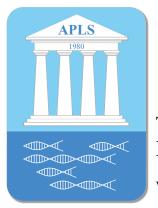
POLITICS AND THE LIFE SCIENCES

Vol. 41, No. 1 WWW. CAMBRIDGE.ORG/PLS SPRING 2022





THE ASSOCIATION FOR POLITICS AND THE LIFE SCIENCES

WWW.APLSNET.ORG

CAMBRIDGE UNIVERSITY PRESS

POLITICS AND THE LIFE SCIENCES

A JOURNAL OF POLITICAL BEHAVIOR, ETHICS, AND POLICY

Editors, Advisors, and Officers

Editor-in-Chief Gregg R. Murray Augusta University, USA

Associate Editors Anne Beall J. Craig Venter Institute, USA Michael C. Grillo St. Philip's College, USA Carl Senior

Associate Editor for Letters Asheley Landrum

Texas Tech University

Aston University, UK

Former Editors-in-Chief Margaret E. Kosal 2017-2019, Georgia Institute of Technology, USA

Tony E. Wohlers
2017-2019, Harford Community College, USA
Erik P. Bucy
2008-2017, Texas Tech University, USA
Robert Hunt Sprinkle
2001-2008, University of Maryland, USA

Gary R. Johnson 1991–2001, Lake Superior State University, USA

Thomas C. Wiegele 1981–1991, Northern Illinois University, USA

Editorial Advisory Board

Lene Aarøe
Aarhus University, Denmark
Kevin Arceneaux
Temple University, USA
E. Andrew Balas
Augusta University, USA

Augusta University, USA Kavita Berger

National Academies of Sciences, Engineering, and Medicine, USA Robert Blank

New College of Florida, USA Brian B. Boutwell

The University of Mississippi and University of Mississippi Medical Center, USA

William P. Brandon University of North Carolina, Charlotte, USA Dominique Brossard

University of Wisconsin, Madison, USA Erik P. Bucy

Erik P. Bucy
Texas Tech University, USA
Malcolm Dando
University of Bradford, UK
Dorothy J. Dankel
University of Bergen, Norway

Chris Dawes New York University, USA

Sophal Ear Occidental College, USA Maryanne Fisher

Saint Mary's University, Canada Robert E. Gilbert Northeastern University, USA

Gigi Gronvall Johns Hopkins University, USA Ingrid Haas

University of Nebraska - Lincoln, USA John Hibbing University of Nebraska, USA

Kevin D. Hunt Indiana University, USA Sverker Jagers

University of Gothenburg, Sweden J. Aaron Johnson

Augusta University, USA Casey Klofstad University of Miami, USA Margaret E. Kosal

Georgia Institute of Technology, USA

Yanna Krupnikov

Stony Brook University, USA

Kobi Leins

University of Melbourne, Australia

Aaron D. Levine

Georgia Institute of Technology, USA

Roger D. Masters Dartmouth College, USA Rose McDermott Brown University, USA Glenn McGee

Albany Medical College, USA

Janna Merrick University of South Florida, USA Thomas H. Murray

The Hastings Center, USA Michael Bang Petersen Aarhus University, Denmark Malcolm Potts

University of California, Berkeley, USA

Thomas H. Preston Washington State University, USA David Redlawsk

University of Delaware, USA Julie Seaman Emory University, USA Jaime Settle

The College of William & Mary, USA Kevin Smith

University of Nebraska - Lincoln, USA

Stuart Soroka
University of Michigan, USA
Patrick A. Stewart
University of Arkansas, USA

Bradley A. Thayer
Tallinn University, Estonia

Mark van Vugt Vrije Universiteit Amsterdam, The Netherlands Kathleen M. Vogel

North Carolina State University, USA

Christopher von Rueden University of Richmond, USA Aaron Weinschenk

University of Wisconsin - Green Bay, USA

Susan Wright

University of California, Santa Cruz, USA

Information about editors and editorial board members correct as of 1st January 2022. For the latest information please see https://www.cambridge.org/core/journals/politics-and-the-life-sciences/information/editorial-board

Aims & Scope

Politics and the Life Sciences (PLS) is a biannual, interdisciplinary peer-reviewed journal with a global audience. PLS is the official journal of the Association for Politics and the Life Sciences, an American Political Science Association (APSA) Related Group and an American Institute of Biological Sciences (AIBS) Member Society. PLS publishes original scholarly research at the intersection of political science and the life sciences. The topic range includes evolutionary and laboratory insights into political behavior, from decision-making to leadership, cooperation, and competition; evolutionary analysis of political intolerance and violence, from group conflict to warfare, terrorism, and torture; political and political-economic analysis of life-sciences research, health policy, agricultural and environmental policy, and biosecurity policy; philosophical analysis of bioethical controversies; and historical analysis of currently misunderstood issues at the intersection of the social and biological sciences. Contributors include political scientists, political psychologists, life scientists, clinicians, health-policy scholars, bioethicists, biosecurity and international-security experts, environmental scientists and ecological economists, moral and evolutionary philosophers, political and environmental historians, communications and public-opinion researchers, and legal scholars.

Association for Politics and the Life Sciences

The Association for Politics and the Life Sciences (APLS) is an international and interdisciplinary association of scholars, scientists, and policymakers concerned with generating, disseminating, and using evolutionary, genetic, and ecological knowledge related to political behavior, public policy and ethics.

© Association for Politics and the Life Sciences

Published by Cambridge University Press.

On the cover

Multiple Tweets Plain by mkhmarketing. This work is licensed under a CC BY 2.0 license.

Inside this issue

POLITICS AND THE LIFE SCIENCES

SPRING 2022 VOL. 41, NO. I Welcome to PLS iii INTRODUCTION Editor-in-Chief's introduction to the issue and volume 40 in review Gregg R. Murray **RESEARCH ARTICLES** Science interrupted Our attempt to study disgust sensitivity and the development of political attitudes among children and their parents Valentina Parma and Kevin Arceneaux 3 Physiological threat sensitivity predicts anti-immigrant attitudes Matea Mustafaj, Guadalupe Madrigal, Jessica Roden, and Gavin W. Ploger 15 It takes guts to be a rebel! A dynamic coordination account of the relationship between motivational reactivity, social morality, and political ideology Xia Zheng, Annie Lang, Anthony Almond, and Harry Yaojun Yan. 28 **RESEARCH NOTES** Senatorial signatures Absence of male-female differences in left-handedness Nancy L. Segal and Francisca J. Niculae 38 Polarization of public trust in scientists between 1978 and 2018 Insights from a cross-decade comparison using interpretable machine learning Nan Li and Yachao Qian. 45 PERSPECTIVE ESSAYS Breaking free How preregistration hurts scholars and science Rose McDermott 55 Regulating genetic engineering guided by human dignity, not genetic essentialism Benjamin Gregg 60 Social evolution as moral truth tracking in natural law Filipe Nobre Faria and André Santos Campos 76 Fatal asymmetries The conflicting relationship between political institutions and natural selection Luis Sánchez 90 Darwin and American public administration Woodrow Wilson's Darwinian argument for administration Benjamin Slomski 105 RESEARCH TOOL REPORTS Twitter as research data Tools, costs, skill sets, and lessons learned Kaiping Chen, Zening Duan, and Sijia Yang 114

| Direct assessment of individual connotation and experience An introduction to cognitive-affective mapping | |
|--|-----|
| Lisa Reuter, Jordan Mansell, Carter Rhea, and Andrea Kiesel | 131 |
| BOOK REVIEWS | |
| Jan-Willem van Prooijen ed., <i>The Psychology of Political Polarization</i> Reviewed by Berfin Çakın | 140 |
| Mike Martin, <i>Why We Fight</i> Reviewed by Robert Bognar | 143 |
| Benjamin Ewertand Kathrin Loer, eds., <i>Behavioural Policies for Health Promotion</i> and Disease Prevention Robert H. Blank | 145 |
| LETTER | |
| Complex faces and naïve machines A commentary on facial perceptions of age, gender, and leader preferences in the age of AI Brian R. Spisak | 147 |
| IN MEMORIAM | |
| n Memoriam: Steven Ames Peterson | |
| Patrick A. Stewart, Amy Fletcher, Robert H. Blank, and Erik P. Bucy | 150 |

Welcome to PLS

POLITICS AND THE LIFE SCIENCES is an interdisciplinary peer-reviewed journal with a global audience. *PLS* is owned by the ASSOCIATION FOR POLITICS AND THE LIFE SCIENCES, the APLS (www.aplsnet.org), and has been published since 1982, with the first issue published by Cambridge University Press in Spring 2016.

PLS publishes original scholarly research at the intersection of politics and the life sciences. The topic range includes evolutionary and laboratory insights into political behavior, from decision-making to leadership, cooperation, and competition; evolutionary analysis of political intolerance and violence, from group conflict to warfare, terrorism, and torture; political and political-economic analysis of life-sciences research, health policy, agricultural and environmental policy, and biosecurity policy; philosophical analysis of bioethical controversies; and historical analysis of currently misunderstood issues within the range described above. Contributors include political scientists, political psychologists, life scientists, clinicians, health-policy scholars, bioethicists, biosecurity and international-security experts, environmental scientists and ecological economists, moral and evolutionary philosophers, political and environmental historians, communications and public-opinion researchers, and legal scholars.

PLS is published online (www. cambridge.org/pls) twice annually, in the spring and fall, by Cambridge University Press. Papers succeeding in peer review, once emerging from revision and prepress routines, may be published online-before-print for access by subscribers, requesting journalists, and, in featured instances, the public.

PLS is indexed comprehensively in full text, from its first to its latest issue, on Cambridge Core (www. cambridge.org/pls). PLS is indexed comprehensively from March 2004, issue 23(1), at BioOne.2 (www. bioone.org). All titles and abstracts are indexed in MEDLINE at PubMed (www.pubmed.gov). Back issues are archived in full text at JSTOR (www.jstor.org). PLS is also included in Academic Search Alumni Edition, Academic Search Premier, Academic Search Product Family, International Political Science Abstracts, Psychology & Behavioral Sciences Collection, and Social Sciences Abstracts all aggregated for institutions by EBSCOhost®, a commercial service. All submissions to PLS should be made online through ScholarOne at: mc.manuscriptcentral.com/pls.