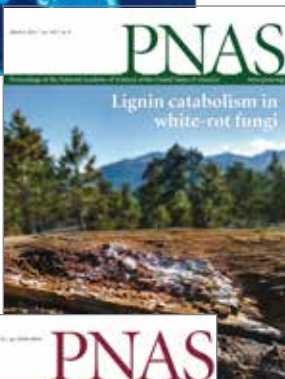


# PNAS

A Diverse and Comprehensive  
Multidisciplinary Research Journal

[pnas.org](http://pnas.org)



## WHO WE ARE

The *Proceedings of the National Academy of Sciences* (PNAS) has been at the forefront of scientific research for over a century. Established in 1914 as the official journal of the US National Academy of Sciences (NAS), PNAS is now one of the largest and most-cited multidisciplinary scientific journals in the world, with a global readership and more than 3,600 research articles published annually.

PNAS is edited by members of the NAS, a private, nonprofit society of distinguished scholars. Scientists are elected by their peers to membership in the NAS for outstanding contributions to research. More than 530 members of the NAS have won Nobel Prizes. The NAS is committed to furthering science in America, and its members are active contributors to the international scientific community.

## READERSHIP

Impact factor of **11.2** for 2020

5-year impact factor of **12.29**

Eigenfactor of **0.8** for 2020

Circulation of **5,500**

Subscribers in **54** countries

Free online access in **125** lower-income countries

Publication of nearly **33,000** pages of high-impact research in 2020

Articles published **daily** directly into issues

## PNAS PORTALS: YOUR GATEWAY TO CUTTING-EDGE RESEARCH

Subject-specific portals provide easy access to the latest research in select high-profile fields, along with articles that put the work into context, such as Commentaries, Perspectives, and science news. The Classics portal and the Teaching Resources portal allow students and instructors to discover more than 100 years of award-winning and seminal PNAS research. The Front Matter portal features in-depth science news, opinions, core concept primers, and more. Explore the PNAS portals at [pnas.link/portals](https://pnas.link/portals).

## ARTICLE AND JOURNAL METRICS

As a signatory of **DORA**, PNAS is invested in improving the evaluation of scholarly research outputs. Accordingly, we provide a wide range of article- and journal-level metrics to help librarians and researchers evaluate the quality of the journal and the articles we publish.

### Journal metrics

Current Eigenfactor, Impact Factor, CiteScore, h5-index, and other journal-level metrics are available at [pnas.link/metrics](https://pnas.link/metrics).

### Article metrics

Citations, Altmetric scores, article downloads, and other article-level metrics are available on each article's "Info & Metrics" tab. The Dimensions and Altmetric tools provide added richness to this data:

- ▶ The Dimensions tool tracks article citations and allows readers to explore individual citations in depth.
- ▶ The Altmetric tool assigns an Altmetric score to each article based on news stories, blog posts, social media mentions, and other online discussion of the article. Readers can use Altmetric to explore individual sources in depth.

### PORTALS:

- TEACHING RESOURCES
- FRONT MATTER
- CLASSICS
- ANTHROPOLOGY
- CHEMISTRY
- PHYSICS
- SUSTAINABILITY SCIENCE



## SIGN UP FOR FREE PNAS EMAIL ALERTS

Subscribers to PNAS alerts receive electronic Tables of Contents (eTOCs); alerts on specific topics, authors, or articles; or notices when PNAS podcasts and other nonresearch content publish online. Sign up for free at [pnas.link/alerts](https://pnas.link/alerts).



## FOR AUTHORS

### WHY SUBMIT TO PNAS

**Comprehensive scientific coverage.** PNAS publishes exceptional research in all branches of the Biological, Physical, and Social Sciences. Innovation often happens at the margins, and we are particularly interested in research that crosses disciplinary bounds, answers questions with broad scientific impact, or breaks new ground.

**Broad scientific audience.** With one of the largest scientific audiences in the world, PNAS articles reach millions of top researchers each year. Our developing countries and open access programs further our mission to make scientific research accessible to all.

**Rapid, high-quality peer review.** PNAS is edited by members of the NAS, and, on average, full review takes just 46 days; most articles publish within 6.5 months of submission.

**PNAS welcomes submissions from top researchers worldwide at [pnascentral.org](https://pnascentral.org).**

### OPEN ACCESS

Authors who choose the PNAS immediate open access option can have their articles made available without cost to the reader upon publication. Learn more at [pnas.link/open](https://pnas.link/open).

- ▶ In 2020, 39.1% of authors chose open access.
- ▶ CC BY-NC-ND and CC BY licenses are available.
- ▶ PNAS satisfies green open access requirements.
- ▶ Corresponding authors from institutions with current-year site licenses pay a discounted open access fee.

### BRIEF REPORTS

Brief Reports describe observations of immediate impact that hold potential to initiate new avenues of research, provide compelling new data on controversies of broad interest and long-standing questions, or present a concise conceptual advance. Brief Reports are open access and are published on an accelerated schedule. Learn more at [pnas.link/brief](https://pnas.link/brief).



Like the [PNAS page](#) on Facebook.

Follow [@PNASNews](#) on Twitter.

Receive [PNAS RSS feeds](#) by article type, classification, current issue, latest articles, most-frequently read articles, most-frequently cited articles, podcasts, and PNAS media selections.

## EDITORIAL BOARD

Every submission to PNAS is evaluated by a member of the NAS. The PNAS Editorial Board is composed of NAS members with expertise in the following disciplines:

Animal, Nutritional, and Applied Microbial Sciences  
Anthropology  
Applied Mathematical Sciences  
Applied Physical Sciences  
Astronomy  
Biochemistry  
Biophysics and Computational Biology  
Cellular and Developmental Biology  
Cellular and Molecular Neuroscience  
Chemistry  
Computer and Information Sciences  
Earth, Atmospheric, and Planetary Sciences  
Economic Sciences  
Engineering Sciences  
Environmental Sciences and Ecology  
Evolutionary Biology  
Genetics  
Human Environmental Sciences  
Immunology and Inflammation  
Mathematics  
Medical Genetics, Hematology, and Oncology  
Medical Physiology and Metabolism  
Microbial Biology  
Physics  
Physiology and Pharmacology  
Plant Biology  
Plant, Soil, and Microbial Sciences  
Psychological and Cognitive Sciences  
Social and Political Sciences  
Sustainability Science  
Systems Neuroscience

For a complete list of Editorial Board members, visit [pnas.link/board](https://pnas.link/board).

## PNAS IN THE NEWS

The PNAS Media Office provides:

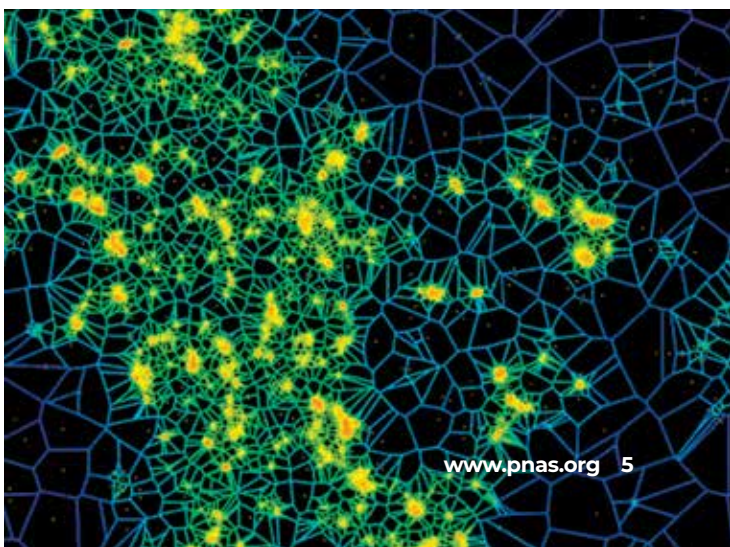
- ▶ weekly tipsheets alerting media to upcoming PNAS research papers,
- ▶ 24-hour electronic access to advance copies of PNAS articles for the media through EurekAlert!,
- ▶ notifications about PNAS research to authors' institutional media officers,
- ▶ This Week in PNAS: plain language summaries of articles with broad scientific appeal, and
- ▶ eye-catching images from newly published PNAS research.

### PNAS FRONT MATTER

PNAS Front Matter is written at a level for general discussion, tackling the stories of science from new perspectives. Front Matter content includes Opinion pieces, News Features, Science and Culture, a look at the Inner Workings of researchers, Core Concepts primers, timely podcast interviews, and the PNAS Journal Club blog. Also available are Profiles, QnAs, Retrospectives, and more. Visit Front Matter at [pnas.link/frontmatter](https://pnas.link/frontmatter).

### COZZARELLI PRIZE

Each year, PNAS selects six outstanding articles to receive the Cozzarelli Prize in recognition of their scientific excellence and originality. Winners of this prestigious prize are selected from the research articles published in PNAS throughout the year and represent exceptional contributions to the six broadly defined classes under which the NAS is organized. Learn more at [pnas.link/cozzarelli](https://pnas.link/cozzarelli).





## SUBSCRIBE TO PNAS

A subscription to PNAS provides researchers with full access to one of the world's most-cited and most-read multidisciplinary scientific journals. PNAS publishes more than 3,600 research articles per year and receives more than 14 million article accesses each month.

### WIDE INFLUENCE

PNAS is abstracted and/or indexed in all major search engines and databases, including CABI, Chemical Abstracts Service, Clarivate Analytics BIOSIS, Current Contents, Elsevier Scopus, Gale, Index Medicus, Journal Watch, JSTOR, OCLC, ProQuest, Psychological Abstracts, PubMed, PubMed Central, RePEc, and SCI.

### INTERPRETATION AND COMMENTARY

Commentaries, Opinions, Perspectives, and Letters to the Editor provide fresh perspectives on trending topics and major scientific debates. The PNAS *Science Sessions* podcast and PNAS Front Matter interpret core scientific concepts, present behind-the-scenes conversations, and discuss explorations of science and culture for a general scientific audience.

### DEEP ARCHIVAL CONTENT

Researchers, students, teachers, and the public have access to the complete, fully searchable PNAS archives, including PDFs of PNAS articles dating back to 1915, and the full text, figures, tables, equations, and references dating back to November 1996.

### INTEGRATED RESEARCH TOOLS

Active researchers have full access to PNAS alerts and citation management tools, including:

- ▶ email alerts, eTOCs, custom research profile alerts, and PNAS announcements,
- ▶ interjournal citation linking through CrossRef and Google Scholar,
- ▶ references coordinated to MEDLINE abstracts, and
- ▶ references downloadable to citation managers.

### OPEN ACCESS

All PNAS research articles are free six months after issue publication, including the full archive dating back to 1915. In addition, much of PNAS content is always freely accessible, including:

- ▶ PNAS Front Matter magazine content,
- ▶ *Science Sessions*, the PNAS podcast program,
- ▶ Special Features and Colloquia,
- ▶ Supporting Information, and
- ▶ cover image gallery.

To learn more about PNAS Open Access, visit [pnas.link/open](https://pnas.link/open).

### PRINT ON DEMAND

Full print issues and individual covers are available for purchase via print on demand at [pnas.link/print](https://pnas.link/print).

## SUBSCRIPTIONS

### WORLDWIDE SUBSCRIPTIONS

The Americas	47%
Asia-Pacific	29%
Europe	23%
Rest of World	1%

### PROFESSIONAL BREAKDOWN OF SUBSCRIBERS

PhD & Research Universities	78%
Undergraduate & Master's Universities	16%
Corporations	5%
Nonresearch Institutions	1%

### USAGE STATISTICS

PNAS offers monthly COUNTER-compliant usage statistics for all institutional subscribers. Account administrators can retrieve usage reports directly from PNAS or through the SUSHI protocol.

### EQUITABLE ACCESS INITIATIVES

PNAS provides free and immediate access to PNAS content in 125 lower-income countries worldwide. We are committed to providing access to current scientific research and to fostering the globalization of research tools and scientific advances.

PNAS participates in Research4Life (which includes Hinari, AGORA, OARE, and ARDI) and eJDS. For more information, visit [pnas.link/access](https://pnas.link/access).

### PNAS SUBSCRIPTION CUSTOMER SERVICE

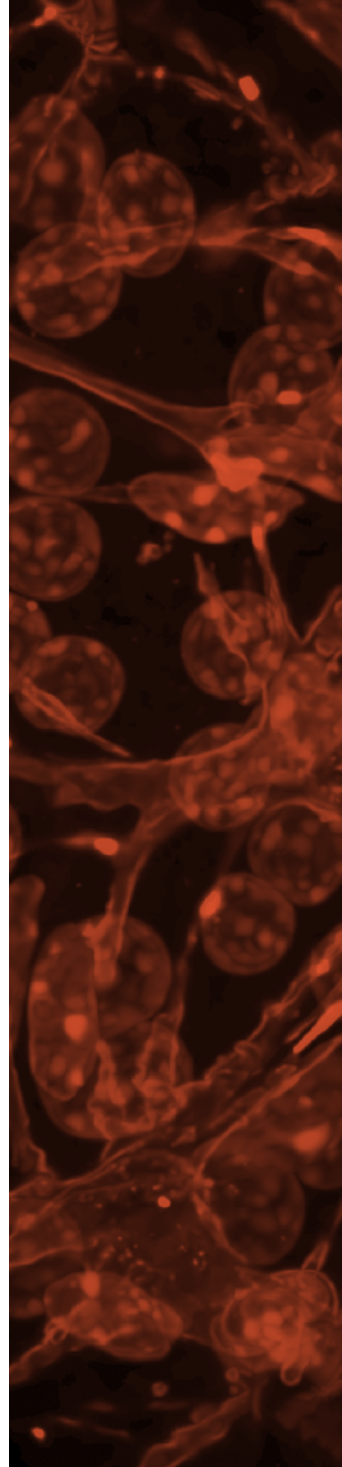
PNAS Subscriptions  
PO Box 465  
Hanover, PA 17331  
USA  
Phone: 717-632-3535  
Fax: 717-633-8920  
Email: [pnas.subs@sheridan.com](mailto:pnas.subs@sheridan.com)

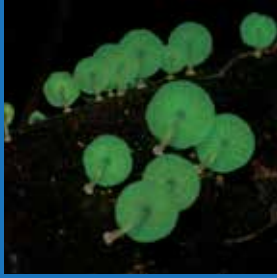
For region-specific agent information, visit [pnas.link/subs](https://pnas.link/subs).

### 2022 SUBSCRIPTION PRICING

Tier 1	\$535
Tier 2	\$1,635
Tier 3	\$3,060
Tier 4	\$4,015
Tier 5	\$5,415
Tier 6	\$9,060
Individuals	\$235

For details, visit [pnas.link/rates](https://pnas.link/rates).





**PNAS**

