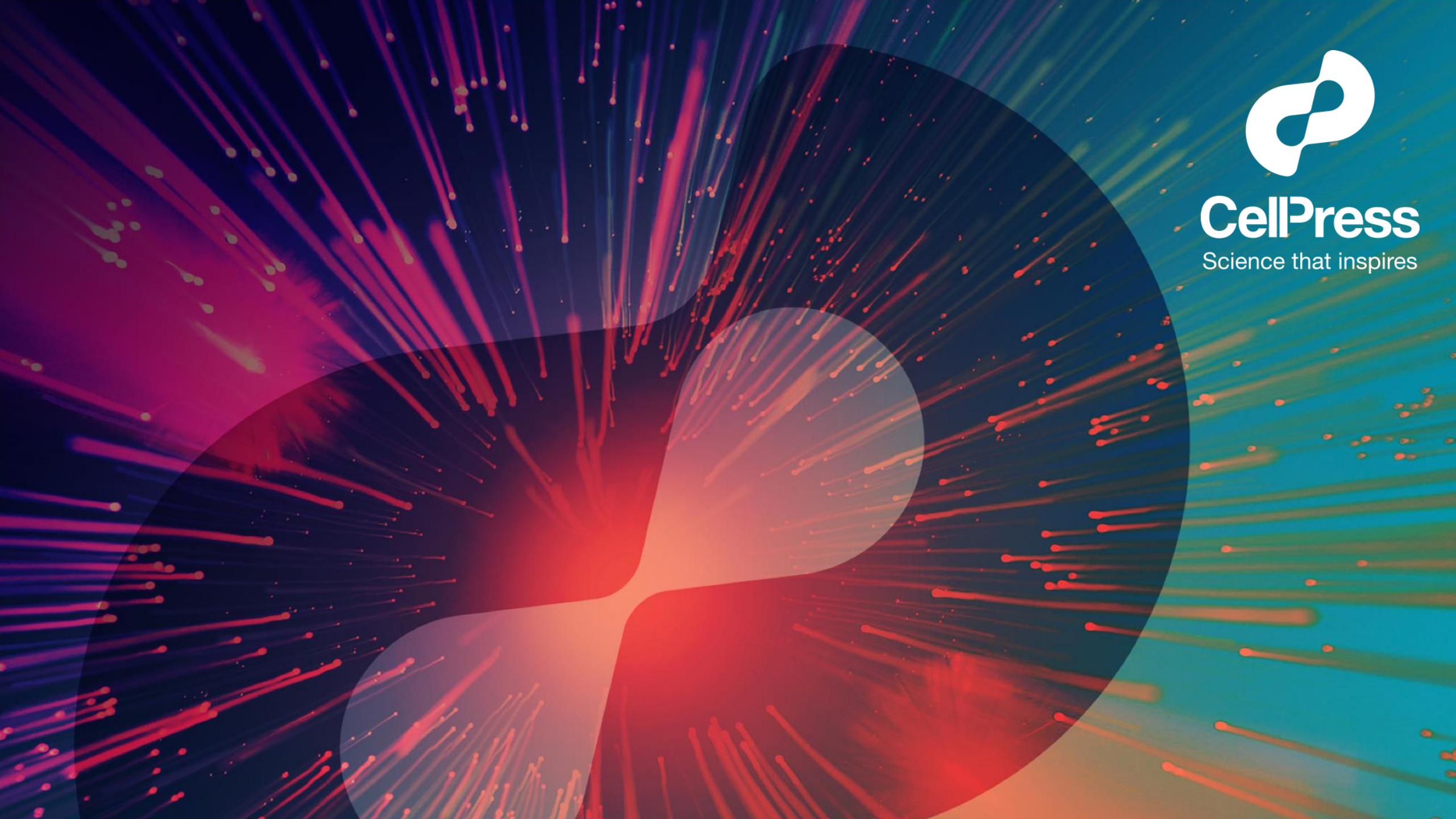

CellPress
Science that inspires

Welcome to Cell Press:

A publishing overview for the library community

Deborah Sweet
Vice President
Editorial, Cell Press

25th February 2020

Overview

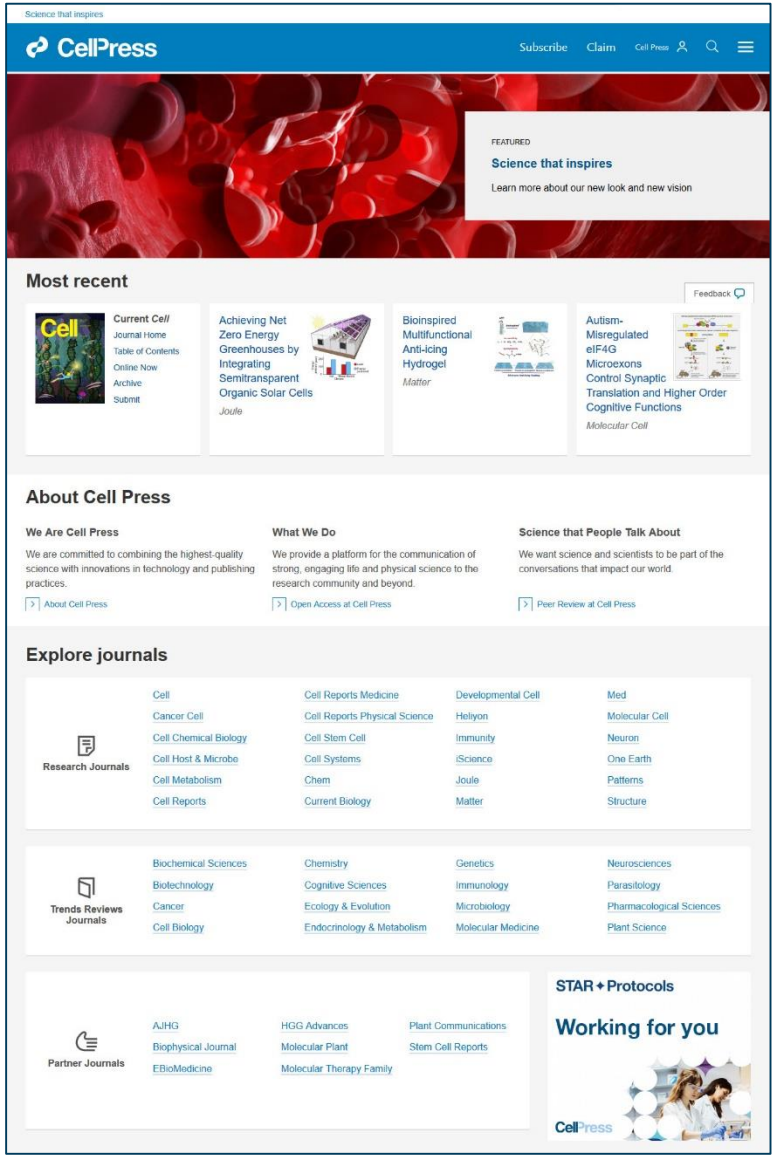
Introduction to Cell Press portfolio

Philosophy

Areas of Coverage

- Life Sciences
- All-Sciences Expansion
  - Physical Sciences
  - Interdisciplinary
- Open Access for all sciences

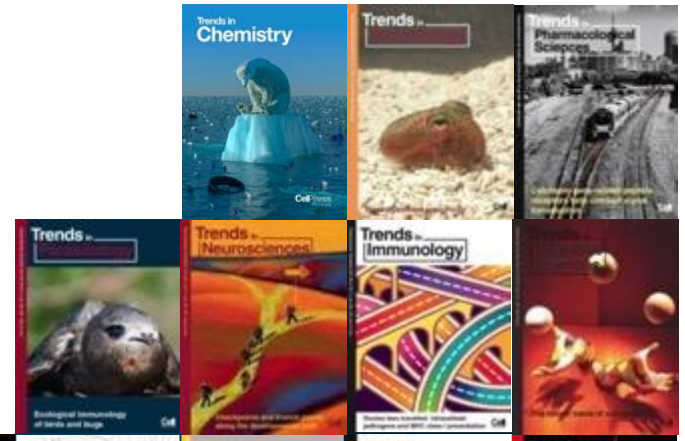
Cell Press' role in innovation, reproducibility, and connecting communities



Cell Press portfolio and philosophy

Cell Press family of journals

- Primary Research Journals
  - *Chem* and *Joule* were the first introduced in physical sciences
  - *Matter* and *One Earth* in 2019
- OA journals, including *Cell Reports* and *iScience,* first interdisciplinary journal
- Trends Review journals
  - Newest: *Trends in Chemistry* in 2019



Primary journals

21 Primary research journals

Recent launches in the physical sciences, including *Chem*, *Joule*, *Matter, Cell Reports Physical Science*

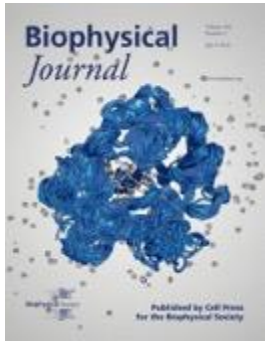
Upcoming launches: *Med, Cell Reports Medicine, Patterns, STAR Protocols*

Reviews journals

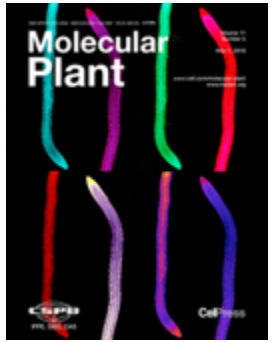
Partner journals

American Society of Human Genetics

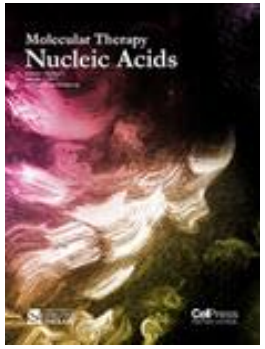
International Journal for Stem Cell Research (IJSCR)

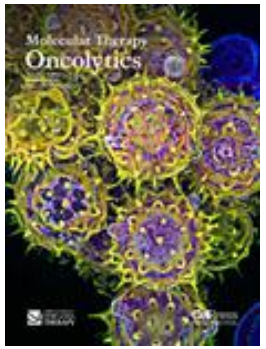


The Biophysical Society



Institute of Plant Physiology and Ecology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, and the Chinese Society of Plant Biology

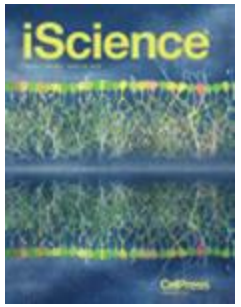


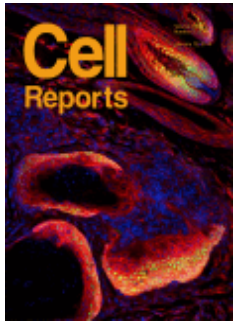


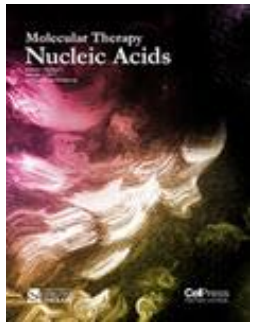
American Society of Gene & Cell Therapy

OA and hybrid journals

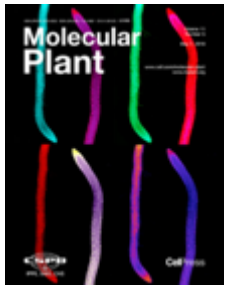
Open access titles







Hybrid titles



Cell: the journal of exciting biology

- New Editor-in-Chief: John Pham joins Cell!
- Team of 12 PhD- and postdoc-trained scientific editors in Cambridge, MA and 1 in China
- Scientific scope evolves with science: we want to publish the most interesting and important papers across the biological sciences
  - from fundamental to applied to computational to clinical to methodological to translational ...
- There is no “one size fits all” Cell paper
- Publishing is a collaborative partnership
- Constructive experience

The Cell Press Philosophy

- Full-time in-house professional editors
- Impartial surrogates for the broad readership
- Actively engage the authors and reviewers
- Timely decisions
- Responsive and hospitable
- Maintain high scientific standards during review process
- Team-based editorial decision-making
- Listen to the communities we serve
- Experiment and innovate
- Reputation for rigor
- Post-publication promotion: Previews, author audio/video interviews, press releases, social media

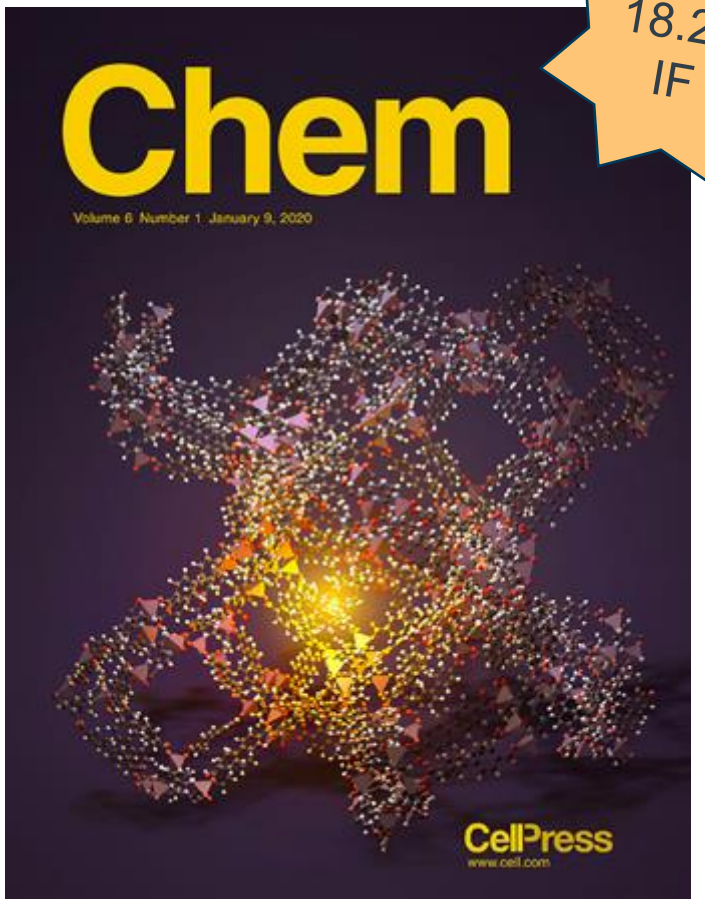
Cell Press All-Sciences Expansion

Chem

Chem, a sister journal to *Cell*, provides a home for seminal and insightful research and showcases how fundamental studies in chemistry and its sub-disciplines may help in finding potential solutions to the global challenges of tomorrow.

Content is categorized following 10 Sustainable Development Goals identified by the UN:

- Good health and well-being
- Affordable and clean energy
- Clean water and sanitation
- Climate action
- Zero hunger
- Responsible consumption and production
- Industry, Innovation, and Infrastructure
- Life on land
- Sustainable cities and communities
- Life below water



Launched July 2017
www.cell.com/chem

Robert Eagling, PhD
Editor-in-Chief

CellPress

***Chem*: Award Winning in First Year**

PROSE AWARD FOR EXCELLENCE IN PHYSICAL SCIENCES & MATHEMATICS

CHEMISTRY & PHYSICS

BEST NEW JOURNAL IN PHYSICAL SCIENCES AND MATHEMATICS

Joule:

- *A* home for outstanding and insightful research, analysis and ideas addressing a key global challenge: the need for more sustainable energy.
- *A* distinctive and forward-looking journal, bridging disciplines and scales of energy research. *Joule* connects all who are researching and analyzing the challenges — scientific, technical, economic, policy and social — of providing sustainable energy solutions.
- *Joule* spans scales of energy research, from fundamental laboratory research into energy conversion and storage up to impactful analysis at the global level.
- *Joule* purposefully highlights and amplifies the implications, challenges and opportunities of novel energy research for different groups working across the entire spectrum of the field.

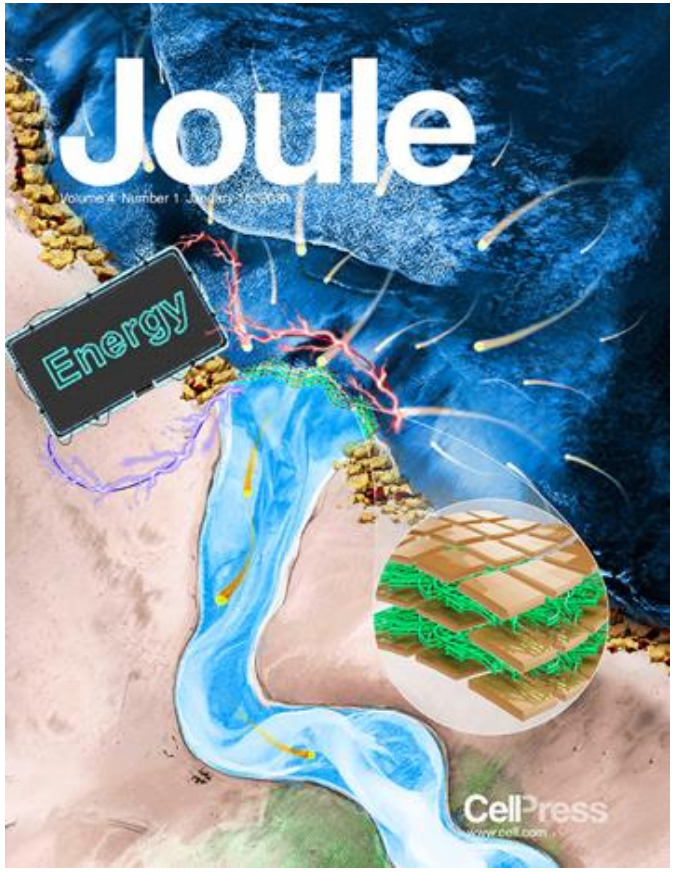
The New York Times

POPULAR SCIENCE

Science AAAS

SCIENTIFIC AMERICAN

FAST COMPANY



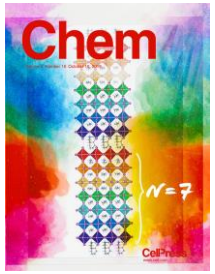
Launched September 2018
www.cell.com/joule

Philip Earis, PhD
Editor-in-Chief

CellPress

Recently named 2020 PROSE Category Winner:
Best New Journal in from the AAP/PSP

2019 Nobel Prize Connections



John B. Goodenough

John B. Goodenough is affiliated with University of Texas, Austin, TX, USA.

M. Stanley Whittingham

M. Stanley Whittingham is affiliated with Binghamton University, State University of New York, New York, NY, USA.

Akira Yoshino

Akira Yoshino is affiliated with Asahi Kasei Corporation, Tokyo, Japan and Meijo University, Nagoya, Japan.

Stabilizing Cathode Materials of Lithium-Ion Batteries by Controlling Interstitial Sites on the Surface
Jun-Yu Piao, Yong-Gang Sun, Shu-Yi Duan, An-Min Cao, Xue-Long Wang, Rui-Juan Xiao, Xi-Qian Yu, Yue Gong, Lin Gu, Yutao Li, Zhen-Jie Liu, Zhang-Quan Peng, Rui-Min Qiao, Wan-Li Yang, Xiao-Qing Yang, John B. Goodenough, Li-Jun Wan
Chem, Vol. 4, Issue 7

Inhibiting Polysulfide Shuttling with a Graphene Composite Separator for Highly Robust Lithium-Sulfur Batteries
Tianyu Lei, Wei Chen, Weiqiang Lv, Jianwen Huang, Jian Zhu, Junwei Chu, Chaoyi Yan, Chunyang Wu, Yichao Yan, Weidong He, Jie Xiong, Yanrong Li, Chenglin Yan, John B. Goodenough, Xiangfeng Duan
Joule, Vol. 3, Issue 1

Stabilizing a High-Energy-Density Rechargeable Sodium Battery with a Solid Electrolyte
Hongcai Gao, Sen Xin, Leigang Xue, John B. Goodenough
Chem, Vol. 4, Issue 4

Nitrogen-Doped Carbon for Sodium-Ion Battery Anode by Self-Etching and Graphitization of Bimetallic MOF-Based Composite
Yuming Chen, Xiaoyan Li, Kyusung Park, Wei Lu, Chao Wang, Weijiang Xue, Fei Yang, Jiang Zhou, Liumin Suo, Tianquan Lin, Haitao Huang, Ju Li, John B. Goodenough
Chem, Vol. 3, Issue 1

The Origin of Superior Performance of Co(OH)2 in Hybrid Supercapacitors
Hongcai Gao, Sen Xin, John B. Goodenough
Chem, Vol. 3, Issue 1

Critical Parameters for Evaluating Coin Cells and Pouch Cells of Rechargeable Li-Metal Batteries
Shuru Chen, Chaojiang Niu, Hongkyung Lee, Qiuyan Li, Lu Yu, Wu Xu, Ji-Guang Zhang, Eric J. Dufek, M. Stanley Whittingham, Shirley Meng, Jie Xiao, Jun Liu
Joule, Vol. 3, Issue 4

Matter: It's material.

The home for multi-disciplinary, transformative material science research – from fundamentals to application, from nano to macro.

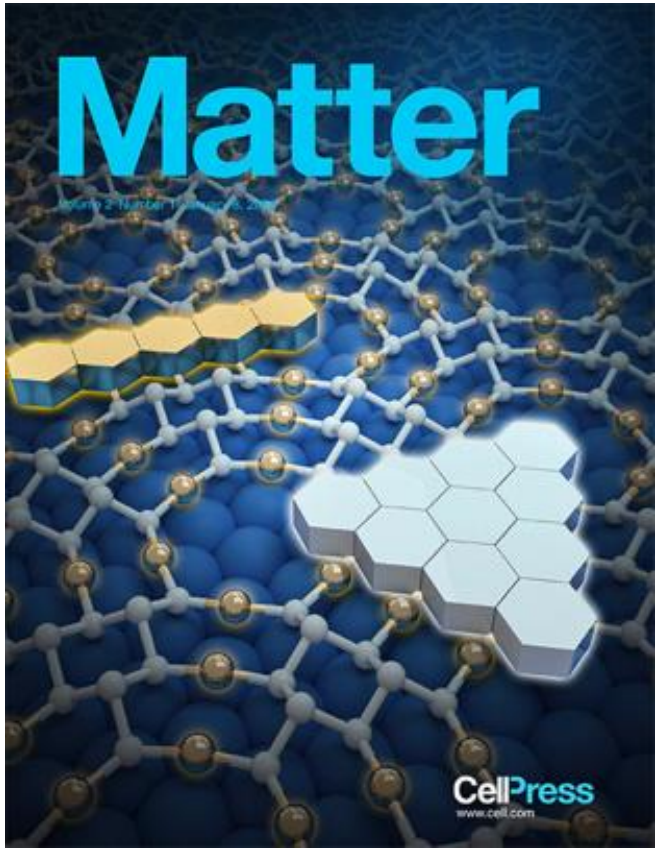
MULTI-DISCIPLINARY

Build bridges within and across disciplines

We publish high-quality, transformative research across disciplines related to:

- Fundamental synthesis, structure, and properties
- Performance of emerging material systems
- Novel characterization methods

Articles on materials of any state, scale, composition, or material will be considered.



Steven W. Cranford, PhD
Editor-in-Chief

Launched July 2019
www.cell.com/matter

CellPress

Matter provides full-length research articles, reviews, topical perspectives, paper previews, opinions, personnel stories, and other editorial content of general interest to the global materials community. The journal aims to be the premier resource for researchers in both academia and industry, providing a platform of inspiration for the next generation of materials scientists.

One Earth

The home for high-quality research that seeks to understand and address today's environmental Grand Challenges.

One Earth fosters depth and breadth of insights into:

- **Environmental change**
  Drivers, mechanisms, and long-term context.
- **Earth systems**
  A thorough understanding of the planetary boundaries, thresholds, and tipping points.
- **Transformative solutions**
  An integrated approach toward a sustainable future.

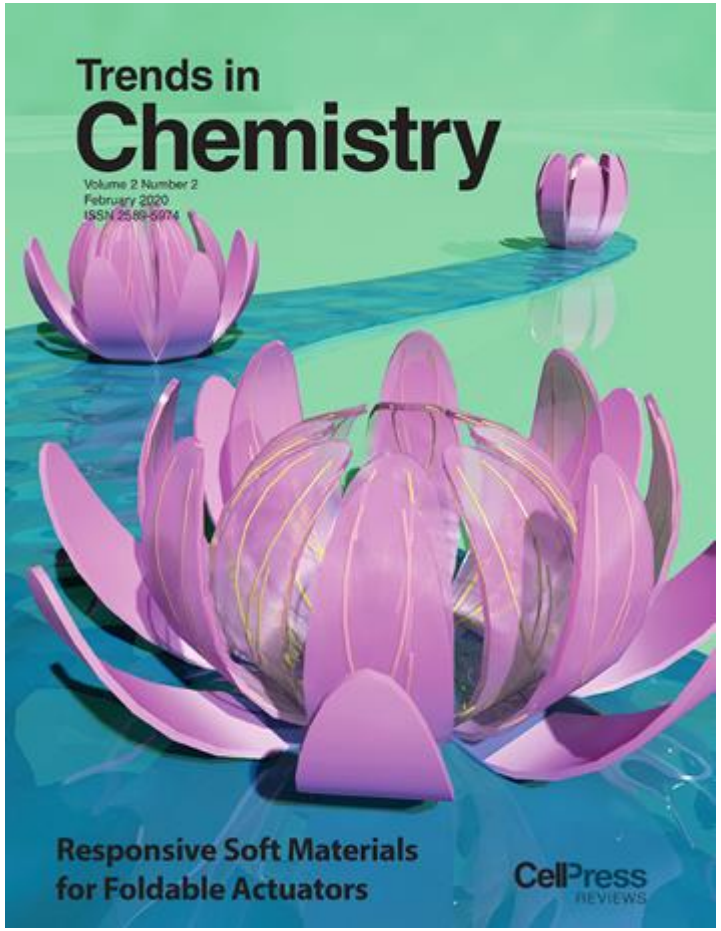
Lewis Collins, PhD
Editor-in-Chief

Launched September 2019
www.cell.com/one-earth

CellPress

One Earth is publishing significant original research that seeks to understand and address today's environmental grand challenges. The journal publishes across the full spectrum of global environmental change and sustainability science, providing a single platform to unite research from the natural, social, and applied sciences.

- Analytical
- Biological
- Catalysis
- Colloids
- Computational
- Environmental
- Electrochemistry
- Green
- Inorganic and organometallic
- Materials
- Medicinal
- Organic
- Physical
- Polymer
- Supramolecular



Thomas Dursch, PhD
Editor-in-Chief

Launched April 2019
www.cell.com/trends/chemistry

CellPress

Trends in Chemistry represents a new global platform for discussion of significant and transformative concepts in all phases of chemistry. Undoubtedly, uncovering new frontiers in chemistry will have significant impact on many of the imposing challenges facing our world today. The journal offers readable, multidisciplinary Review, Opinion, and short articles that are thoughtfully designed to keep students and leading scientists alike updated on the most pressing issues in the field.

Med

Nikla Emambokus, PhD
Editor-in-Chief

Launching August 2020
www.cell.com/med

- Reach a diverse audience of scientific, clinical, biotech, pharma, regulatory, and policy experts who have an impact on how translational and clinical research is conducted and can effect positive changes in medical practice.

- Bridge the bench-to-bedside gap with cutting-edge medical thinking and new advances in biotechnology, pharmacology, and clinical trial results which facilitate knowledge exchange and have the potential to change medical practice.

CellPress

Med publishes transformative, evidence-based science across the clinical and translational research continuum – from large-scale clinical trials to translational studies with demonstrable functional impact, offering novel insights in disease understanding. We aim to elevate the global standard of medical research by accelerating translation of bench research to the clinic, serving as a hub for engagement between all stakeholders, improving reproducibility, and changing medical practice.

New in Open Access

For Cell Press' story on open access initiatives and content, bookmark:

https://www.cell.com/open-access

iScience

Why *iScience*?

- *iScience* publishes basic and applied research that advances a specific field across life, physical, and earth sciences. It's an open access journal with continuous publication, so research is immediately accessible.
- Its no-nonsense approach to submissions is simple, fast, and fair, and its commitment to integrity means that it publishes transparent methods with high editorial standards.

Life Sciences

- Cell Biology
- Development
- Immunology
- Metabolism
- Microbiology

Physical Sciences

- Chemistry
- Energy
- Material Science
- Physics
- Polymer Science

Earth Sciences

- Climate Science
- Atmospheric Science
- Ecology and Evolution
- Hydrology
- Solid Earth Science

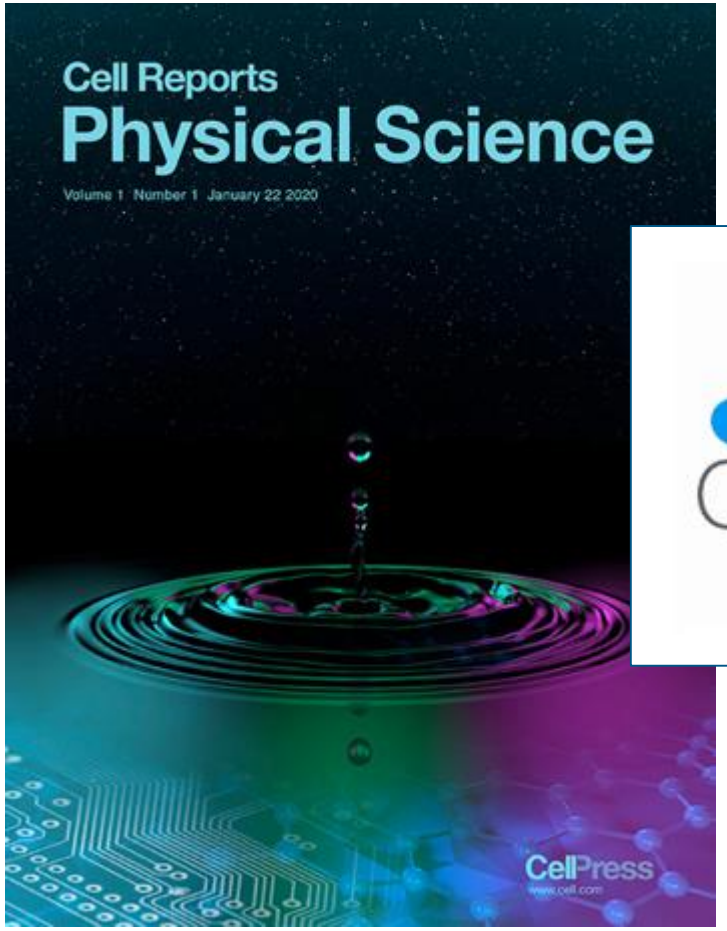
Launched May 2018
www.cell.com/iscience

CellPress

Science has many big remaining questions. To address them, we need to work collaboratively and across disciplines. The goal of *iScience* is to help fuel that type of interdisciplinary thinking. It provides a platform for original research in the life, physical, and earth sciences. The primary criterion for publication in *iScience* is a significant contribution to a relevant field combined with robust results and underlying methodology. The advances appearing in *iScience* include both fundamental and applied investigations across this interdisciplinary range of topic areas.

Cell Reports Physical Science

Cell Reports Physical Science — a new broad-scope, open access journal from Cell Press—publishes cutting-edge research across the spectrum of the physical sciences, including chemistry, physics, materials science, energy science, engineering, and related interdisciplinary work.



Launched January 2020
www.cell.com/cell-reports-physical-science

CellPress

Cell Reports Physical Science is a premium open access journal from Cell Press, which: showcases high-quality, cutting-edge research from across the physical sciences provides a unique and open forum to promote collaboration between physical scientists champions open science across this community and beyond.

Cell Reports Medicine

Cell Reports Medicine—a new broad-scope, open access journal from Cell Press—publishes cutting-edge research in translational and clinical biomedical sciences that inform and influence human health and medicine.

Cutting-Edge Research

Breadth & Depth

Openness & Inclusivity

Flexible Formats

Rapid Publication

open access

Launching July 2020

www.cell.com/cell-reports-medicine

CellPress

Cell Reports Medicine content reaches a broad range of scientists and clinicians across the spectrum of medical disciplines, ensuring that your work will be both visible and accessible. The journal publishes original research that ranges from exciting concepts in human biology, health, and disease to all phases of clinical work.

Patterns

Patterns, a new gold open access data science journal from Cell Press that aims to:

- share knowledge about how to best develop and run data science infrastructures, tools, and services
- communicate solutions and best practices for data science algorithms and methodologies
- discuss the human and environmental impact of decisions made using data science
- develop new cross-disciplinary methods for efficient data analysis, processing, archiving, and use

We believe: Data are boundless. Big ideas deserve a big audience. Insights fuel action.

Launching July 2020
www.cell.com/patterns

CellPress

Patterns promotes all types of research outputs and facilitates sharing and collaboration to solve key scientific problems and aid in the development of solutions for practice, policies, and management. The research we publish is both theoretical and practical. We're committed to innovations that make research actionable for humans and machines alike. *Patterns* is domain agnostic and offers breadth and depth across the spectrum of research disciplines. We adhere to the FAIR Principles to make sure that the data we publish are findable, accessible, interoperable, and reusable.

STAR Protocols

Launching May 2020
www.cell.com/star-protocols

STAR Protocols—a unique open access journal from Cell Press—offers peer-reviewed protocols that are structured, transparent, accessible, and reproducible.

CellPress

Designed for scientists, with scientists, STAR Protocols empowers researchers with protocols that are reliable, effective, and dynamic. They're formally peer-reviewed pre-publication and open for feedback from the community post-publication. An intuitive, consistent framework gives you the clarity you need, when you need it, and the protocols are lab ready because they are easy to find, access, and use. Join the growing community of investigators that are helping us shape the future.

Heliyon

Heliyon is an open access journal publishing scientifically accurate and valuable research across life, physical, social, and medical sciences.

Multidisciplinary Scope

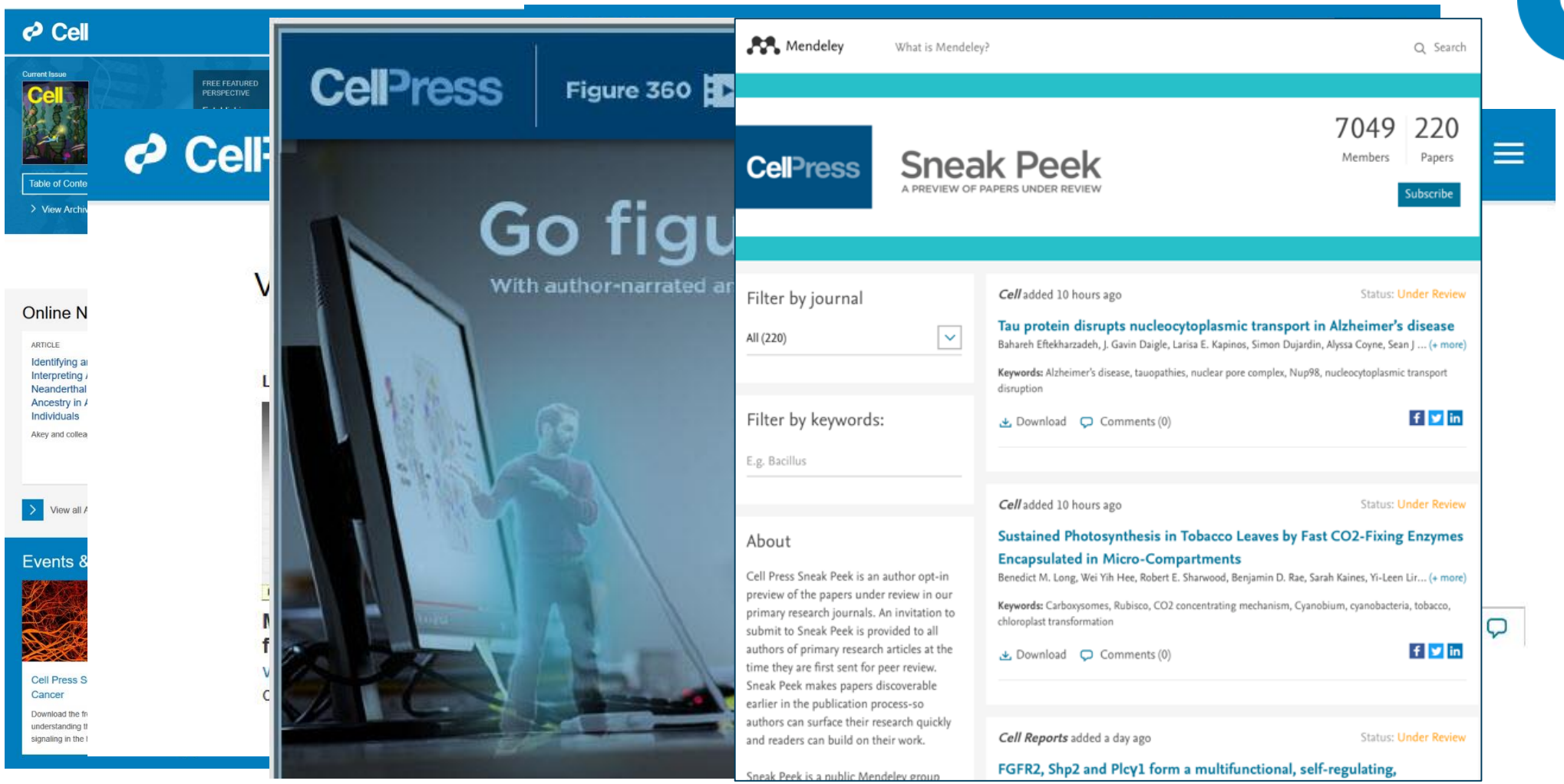
Heliyon welcomes research across all disciplines. Any paper reporting original and technically sound results of primary research, which adheres to accepted ethical and scientific publishing standards, will be published regardless of its perceived impact.

Sections

- Agriculture
- Applied Biosciences
- Arts and Humanities
- Biochemistry, Molecular and Cell Biology
- Biology
- Business and Economics
- Chemistry
- Clinical Research
- Computer Science
- Earth Science
- Education
- Energy
- Engineering
- Environment
- Food Science
- Materials Science
- Mathematics
- Microbiology
- Neuroscience
- Pharmaceutical Science, Pharmacology, Toxicology
- Physics
- Psychology
- Social Science

Innovation and community building

Innovating in content delivery



STAR Methods, Addressing Reproducibility

What are STAR Methods?

S

STRUCTURED

"STAR Methods are
organized logically.

STAR★METHODS

KEY RESOURCES TABLE

REAGENT or RESOURCE
Antibodies
Papd5 rabbit polyclonal antibody
PARN rabbit polyclonal antibody
SMC2 rabbit polyclonal antibody
Tubulin mouse monoclonal antibody
Flag mouse monoclonal antibody
Coilin rabbit polyclonal antibody
Bacterial and Virus Strains
OneShot Top10 competent cells
DH5α competent cell
Chemicals, Peptides, and Recombinant Protein
EZ-link HPDP-biotin
4-thiouridine
uMacs Streptavidin Kit
Critical Commercial Assays
Kapa Hyperprep DNA Library Prep Kit
Kapa Single-Indexed adapters
Deposited Data
Nascent RNAend-Seq data
Raw data for constructing figures

TOPping up transparency at Cell Press

Posted by Deborah Sweet | Published January 16, 2018, 09:33

Tweet Share Like 5 Share

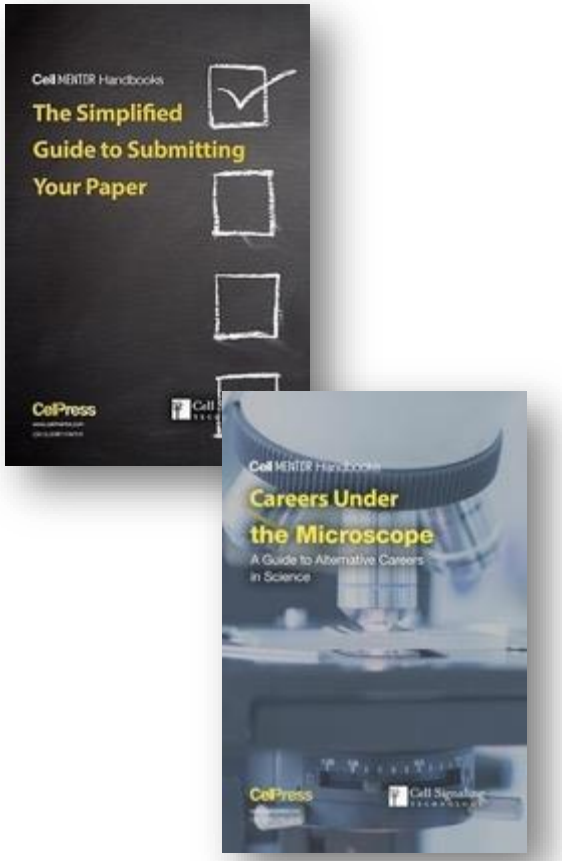
http://www.cell.com/star-methods

Motivation for STAR Methods

- Make methods more complete, transparent, easy to follow
- Make resources and reagents more accessible, traceable
- Promote sharing — reagents, resources, data, code and software
- Author workflow that is straightforward, not onerous
- Publishing workflow that is efficient and scalable
- Align with institutional reproducibility/rigor recommendations

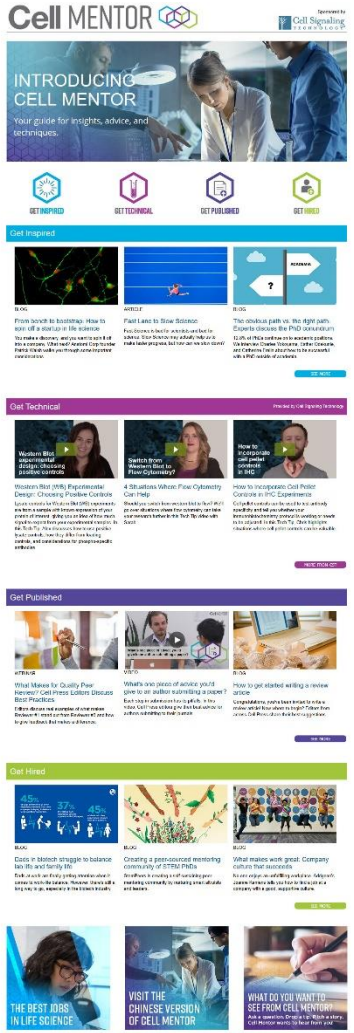
Consortia publications

Cell Mentor

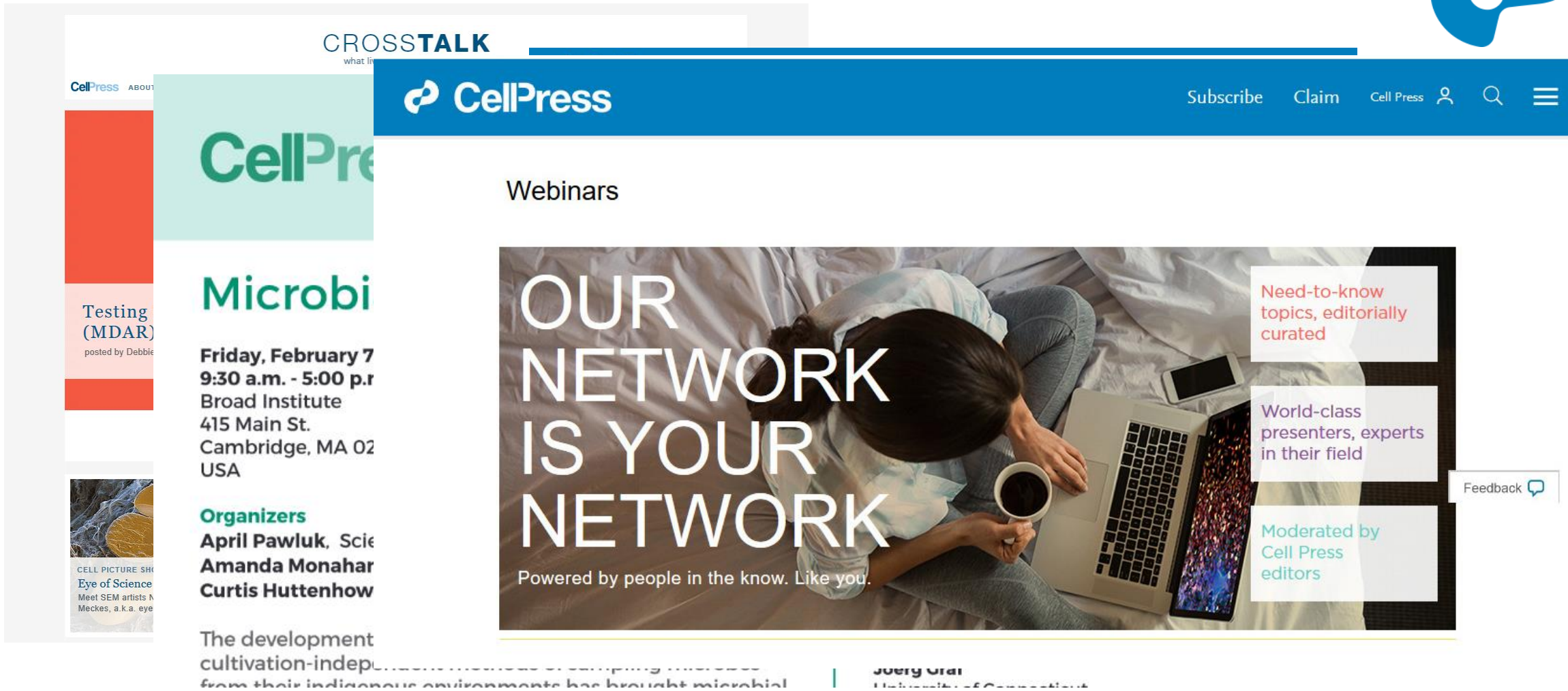


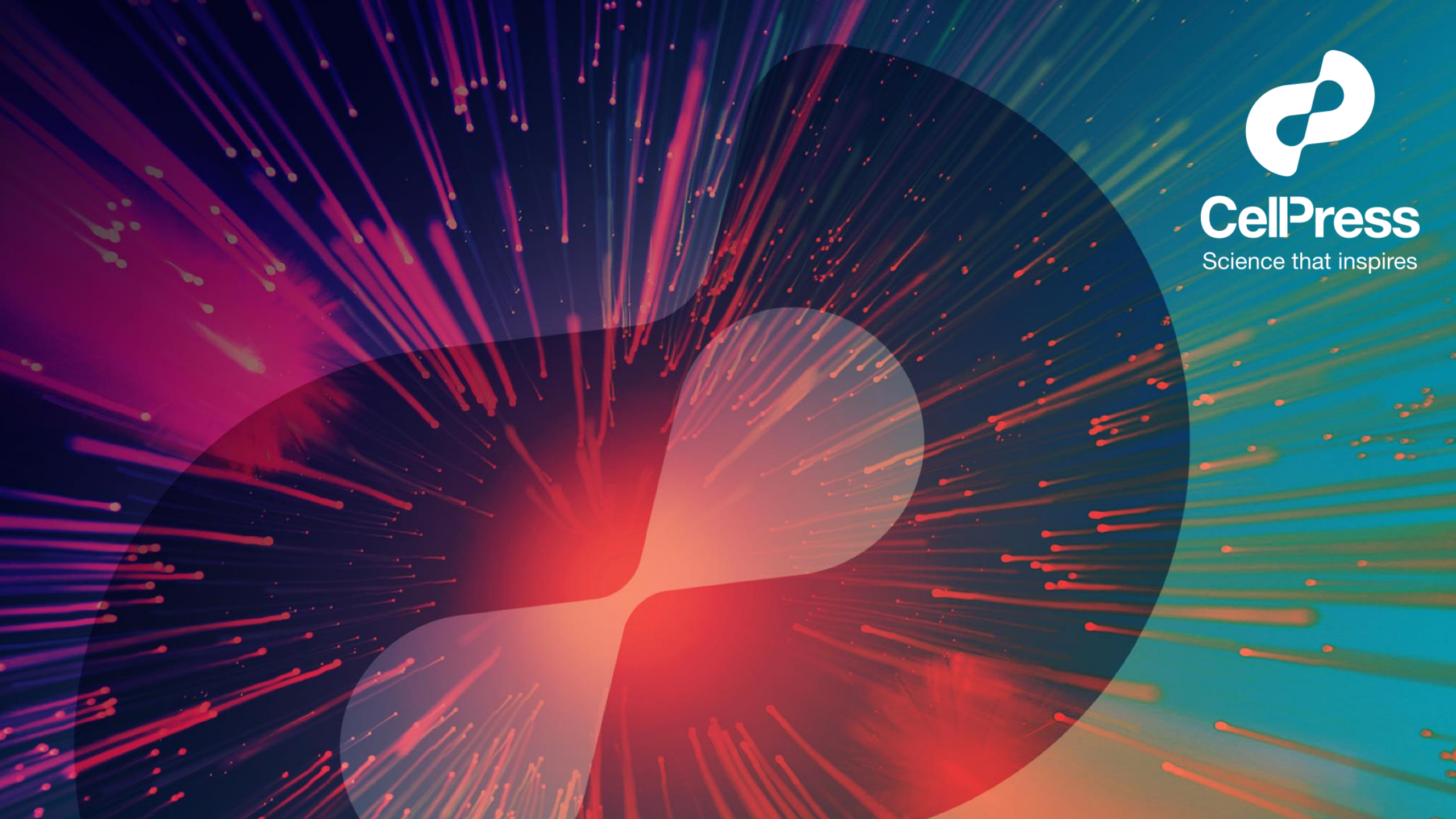
A new online resource from Cell Press and Cell Signaling Technology that empowers early-career researchers with career insights, publishing advice, and experimental techniques

- advice from editors on what to do and how to do it when you're ready to publish your work
- insights from working scientists in our network
- tips from career experts
- video tutorials on experimental procedures, protocols, and methods



Encouraging dialog and connections




CellPress
Science that inspires