Inclusive Publishing in the Nature Reviews Journals

Championing diversity and equity in publishing practice

18 June 2024
Speakers

Jill Adie, PhD; Head of Publishing Strategy – Nature Journals

Mina Razzak, PhD; Editorial Director, Nature Reviews

Graham Simpkins, PhD; Chief Editor, Nature Reviews Earth & Environment

Daniel R. Dickstein, MD; Chief Resident, Department of Radiation Oncology, Icahn School of Medicine at Mount Sinai
Outline

Nature Reviews Overview
Our approach to inclusive publishing
Editorial thought process and strategy
Examples of what we’ve done
Editorial training
Case studies from Nature Reviews Earth & Environment
An author’s experience
The Nature Reviews journals at a glance

There are 24 Nature Reviews journals with Nature Reviews Clean Technology and Nature Reviews Biodiversity in the pipeline for 2025
How do the Nature Reviews differ from the Nature Research Journals?
Nature Reviews portfolio complements the Nature Research journal portfolio

- Review articles synthesize, summarize, and highlight data or research from many primary content sources. They do not report new data or findings.
How are review articles used, and why are they important?
Survey data show that researchers value review content

A survey in 2022 on Reviews, News and Opinion (‘RNO’) publications in our journals found that RNO content supports researchers by:

- Saving them time in understanding broad and related research.
- Acting as a gateway into areas outside of their expertise, and supporting their understanding of interdisciplinary fields.
- Enabling them to explain topics to non-specialists and students.

Respondents (84%) identified opinion and comment pieces as very or extremely useful, followed by Reviews (79%).

Review articles are essential in the ever-expanding scientific literature landscape in which research papers are constantly published, making it challenging to stay up to date with new developments.
What makes the Nature Reviews journals unique?

The Nature Reviews portfolio packs a punch

1. High editorial and production values
   - Professional, in-house editorial teams provide guidance and support to authors
   - An in-house team of art editors create visual summaries to complement the reviews and help explain some of the complex details of the science
   - Professional copy and production editors apply the highest standards to composition and layout

2. Author satisfaction
   - Author CSAT scores are consistently high, with 99% of authors rating their overall publishing experiences as “Excellent” or “Good” (2023 summary)

3. Academic reach
   - 41% of Nature Reviews’ articles are in the top 1% cited category (2022 data)
   - All Nature Reviews journals are in the top 25% (Q1) of their impact factor categories

4. Societal reach and contribution to policy
   - 3,400 reviews from the Nature Reviews portfolio were cited by policy documents between 2019-2023 (~10% of those to new launch Nature Reviews)
   - The policy documents were mostly government level (50%) but also authored by NGOs and Think Tanks
Nature Reviews Journals have high editorial and production values

Professional, in-house editorial teams mean that the level of editorial input is extremely high

- Articles in the Nature Reviews Journals receive high editorial input to ensure consistent high-quality output
- Editors research and decide on the most interesting topics to cover, and guide carefully-selected authors through the article process, providing feedback and guidance at every stage to ensure the articles are impactful, clear and accessible to a wide audience. These high editorial values surpass those of all of our competitors.
- NR Journals have a dedicated art team; Editors work with the art editors to develop new figures and provide suggestions and feedback to authors on the best way to present their data or concepts
Our approach to inclusive publishing
What we mean by inclusive publishing

Editorial thought process and strategy

Overall: being diverse and inclusive is good for science, and even better for storytelling

a. Authorship
b. Topics we cover
c. The formats we use
d. Editorial training
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We exist. We are your peers.

Manu O. Platt

Nature Reviews Materials 5, 783–784 (2020) | Cite this article

8234 Accesses | 13 Citations | 335 Altmetric | Metrics

We must all ask ourselves critical questions about our role in the persistence of racism in academia, its effects on our colleagues and intentional actions to improve equity for all.
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nature reviews chemistry

Explore content ▼ About the journal ▼ Publish with us ▼

nature > nature reviews chemistry > comment > article

Comment ▪ Published: 27 September 2022

Mentoring is more important than ever

Jennifer M. Heemstra & Neil K. Garg

Nature Reviews Chemistry 6, 757–758 (2022) ▪ Cite this article

3499 Accesses ▪ 3 Citations ▪ 36 Altmetric ▪ Metrics

#MentorFirst (mentorfirst.org) is an initiative aimed at dispelling negative practices all-too-often still seen in academia, promoting best mentoring practices, and building a community of proactive mentors.

optimal primary and nephrology care for transgender individuals, including barriers to care and how these might be overcome to ensure that the provision of care is inclusive and safe.
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Starting a conversation about social issues in optics and photonics

Kimberli Bell, Taylor M. Cannon, Amira M. Eltony, Chhavi Goenka, Abigail L. Gregg, Nathaniel Hai, Danielle J. Harper, Helen Koshishian, Nichaluk Leartprapun, Haley L. Marks, David O. Otuva & Linhui Yu

Nature Reviews Physics 6, 286–288 (2024) | Cite this article

Science and society are inextricably entangled, but the discussion of social issues in optics and photonics is, at best, treated as peripheral to the field. A group of researchers, technicians, administrative staff, and clinical liaisons share how they came together to start a conversation recognizing these oft-disregarded issues.
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[Au: Nature Reviews can support presentation of author names using non-Roman characters in the online version of the article. If you wish to, please include author names in parentheses after the Roman-character spelling; see example online here. Currently supported languages are: Arabic, Chinese, Hebrew, Hindi, Japanese, Korean, Persian and Russian. Should the manuscript be accepted, you will be asked to verify the rendering is correct at proof stage.]

Making the sum greater than its parts

Joshua S. Speagle (沈佳士) & Gwendolyn M. Eadie

Nature Astronomy 5, 971–972 (2021) | Cite this article
562 Accesses | 3 Altmetric | Metrics
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Box 3 Patient experience

In July 2011, at the age of 53, I was diagnosed with alkaptonuria. Prior to this I had been treated for severe osteoarthritis. This first came to light when I was treated for a problem with a disc in my lumbar spine. This got progressively worse until in 1997, aged 40, I had to retire from the health service where I had worked as a Registered Mental Health Nurse in various positions and had been identified as a future leader in the health care service. I was told I wouldn’t work again, and that I could end up in a wheelchair by the time I was 50.

AKU not only had a significant impact on my working life, but also my social life. My physical disability made it impossible for me to enjoy my hobbies, forcing me to amend my social life considerably. It was really upsetting not being able to kick a football with my grandchildren anymore, whilst getting on the floor to play with them would leave me in pain and exhausted for days afterwards.
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From the lab to a career in science entertainment
Nature Reviews Psychology is interviewing individuals with doctoral degrees in psychology who pursued non-academic careers. We spoke with Jens Feelt about his journey from a research associate to a science journalist for German television.

Teresa Schubert
Q&A | 12 Jan 2024 | Nature Reviews Psychology

From the lab to a career in an education non-profit
Nature Reviews Psychology is interviewing individuals with doctoral degrees in psychology who pursued non-academic careers. We spoke with Lauren D. Kendall-Brooks about her journey from a postdoctoral research associate to a research scientist.

Teresa Schubert
Q&A | 12 Jan 2024 | Nature Reviews Psychology

From the lab to a career at a funding agency
Nature Reviews Psychology is interviewing individuals with doctoral degrees in psychology who pursued non-academic careers. We spoke with Betty Tutler about her journey from a full professor to a programme director.

Teresa Schubert
Q&A | 12 Jan 2024 | Nature Reviews Psychology

From the lab to a career in data science
Nature Reviews Psychology is interviewing individuals with doctoral degrees in psychology who pursued non-academic careers. We spoke with Christiane Anheim about her journey from a postdoctoral research associate to a data scientist.

Teresa Schubert
Q&A | 26 Jan 2024 | Nature Reviews Psychology
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Diversity & inclusion guide

— version September 2023

This guide aims to pull together some essential DEI resources and discusses the role of the Nature Reviews sensitivity readers. For a more comprehensive discussion about diversity and inclusion in Nature Reviews, check out the notes of the tips sharing session 1 and session 2.
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Please consider this a living document. If you spot anything that is outdated, incorrect or unclear or if you’d like us to add information, please leave a comment tagging Chris Harding (christian.harding.1@nature.com). Please check the BWP and guide overview doc for other relevant information.

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Springer Nature Inclusive Language Guide (English Language)
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Introduction
This guide is intended to help writers and editors avoid offensive or upsetting language when addressing sensitive topics, to promote inclusivity in *Nature*’s front half. The most important principle is to respect people’s identity — if we are talking about a particular person and they prefer a certain term, we should use that. Always consider people’s dignity and humanity, and avoid dismissive or judgemental language, or unnecessarily excluding people of any ethnicity, gender, sexuality or other group. Think: in this person’s place, if I were described in this way, how would I feel?

Sensitivity Style Guide

Please consider this a living document. If you spot anything that is outdated, incorrect or unclear or if you’d like us to add information, please leave a comment tagging Chris Harding (christian.harding.1@nature.com). Please check the [BWP and guide overview doc](#) for other relevant information.

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From nytimes.com
11:03 AM · Jun 14, 2019
82 Reposts 9 Quotes 238 Likes 1 Bookmark
Examples from NREE
Inclusive publishing at *Nature Reviews Earth & Environment*

Promoting diverse authorship

- Editors have the power to enhance author diversity
- No all-male author lists
- Include local scientists if the Review is regional

Earth’s mantle composition revealed by mantle plumes

“First of all it is outstanding to have this team of all female scientists come together to write this manuscript. The older generation of these authors was among the pioneers of women rising into senior positions in academia and it should be celebrated that there are now enough female scientists at the top of their fields that an authorship like this is possible.”
# Inclusive publishing at *Nature Reviews Earth & Environment*

**CHAMPIONING early career researchers**

<table>
<thead>
<tr>
<th>PhD candidates</th>
<th>Postdocs/Research Fellow</th>
<th>Assistant Profs.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mechanisms, detection and impacts of species redistributions under climate change</strong></td>
<td><strong>River dam impacts on biogeochemical cycling</strong></td>
<td><strong>Warming-driven erosion and sediment transport in cold regions</strong></td>
</tr>
<tr>
<td>Jake A. Lawler, Liz Corre, Qalet Gamoulliet, Jonathan Lenoci, I. Alex Reicher, R.M.W.I. Bandara, Roman D.</td>
<td>Taylor Maavara, Quwen Chen, Kimberly Van Meter, Lee F. Brown, Jiayun Zhang, Jiren Nij &amp;</td>
<td>Ting Zhang, Dongfeng Li, Amy E. East, Desmond E. Walling, Stuart Lane, Inna Overeen, Achim A.</td>
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<tr>
<td><strong>Geomorph change in the Ganges–Brahmaputra–Meghna delta</strong></td>
<td><strong>Global lake responses to climate change</strong></td>
<td><strong>The impact of vegetation on meandering rivers</strong></td>
</tr>
<tr>
<td><strong>Assessing and addressing the global state of food production data scarcity</strong></td>
<td><strong>Monitoring, trends and impacts of light pollution</strong></td>
<td><strong>Permafrost carbon emissions in a changing Arctic</strong></td>
</tr>
</tbody>
</table>

*Springer Nature*
Inclusive publishing at *Nature Reviews Earth & Environment*

**CHAMPIONING early career researchers**

"I also wanted to thank you for inviting researchers from under-represented groups to lead these articles. It says a lot about NREE as a leading science journal."
Inclusive publishing at *Nature Reviews Earth & Environment*

DEVELOPING early career researchers

- Short-form articles written by PhD candidates that focus on methods
- Opportunity to engage with editors, learn how publishing systems work, and get feedback and edits on writing
- Nearly 100 published, with authors from >20 countries

“These sorts of initiatives for ECRs are a fantastic opportunity to build up a publishing footprint—kudos to NREE for building this program”

“I've gained great insight into the manuscript submission process...I hope to carry over your advice on style and clarity into my future writing”

“Your input really improved the text and is helpful for learning how to write more concisely”

“Thank you for offering the opportunity for early career researchers to gain publication experience. I indeed enjoyed the process and learned a lot!”
Inclusive publishing at Nature Reviews Earth & Environment
DEVELOPING early career researchers & providing VISIBILITY for under-represented groups

- Partnered with GeoLatina’s and published 18 articles
- Offers translation in the authors’ native language
- Also organised cross-journal publishing talks

Now looking to build further partnerships with other groups
Inclusive publishing at *Nature Reviews Earth & Environment*

**Raising awareness**

We are members of the communities we serve; we should use our platform

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**LGBTQI+ allyship in academia**

Anson Mackay

Come out, come out, wherever you are: the geosciences need LGBTQI+ allies, says Anson Mackay.

“I am”

Jef Caers

Coming out means becoming human, to share common struggles, to become vulnerable. In this space, fear of rejection about sexual identity dissipates into “I am” but human, and it can start as simply as with a conversation with someone you like and trust, states Jef Caers.

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**Queer geoscientists need more than visibility**

Robert N. Ulrich

Visibility is important, but to be truly inclusive, we need to create strong, resilient, and intersectional geoscience communities that confront the violence from both within and outside of academia, argues Rob Ulrich.

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**A minority within a minority**

Jazmin P. Scarleott

Having multiple intersections of identity makes navigating geoscience complicated. Now is the time for non-marginalized people to take action and dismantle the biased system, outlines Jazmin Scarleott.
Inclusive publishing at *Nature Reviews Earth & Environment*

Raising awareness

From authors:

“This article will have more impact than any technical article I will ever write!”

And from readers:

“The Pride in Geosciences pieces are wonderful. I hope NREE continue to set an example as we all try to increase diversity in the geosciences…I’ve e-mailed our department’s DEI committee to see what we can do”.

“Thank you for sharing your story and for helping to change the culture of science to be healthier and more inclusive”.

“Among its virtues, it makes clear that the failure of society to encourage all to be true to themselves and its unwillingness to embrace diverse viewpoints really limits what we can collectively accomplish”.

“You inspire me with your open leadership. Your vulnerability and strength send a powerful message to all and make me feel a little safer to be more about who I am”.
Inclusive publishing at *Nature Reviews Earth & Environment*

Raising awareness

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Looking out for visual impairments

By Paul Upchurch

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Improving Earth science communication and accessibility with data sonification

M. Russo, T. M. Geron, A. Santaguida & T. K. Hincks

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Breaking barriers for those with hidden disabilities

By Isabel Carrera Zamanillo
Inclusive publishing at *Nature Reviews Earth & Environment*

**Raising awareness**

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**Barriers to fieldwork in undergraduate geoscience degrees**

*Sam Giles*, *Chris Jackson* and *Natasha Stephen*

Fieldwork is an integral part of geoscience subjects, but changing career pathways and student demographics have major implications for the future of compulsory fieldwork. The ways in which fieldwork is taught and the learning outcomes it fulfils urgently need updating.

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**The need for increased financial support for researchers with families**

*Bethan Davies* and *Celia Martin-Puertas*

It can be difficult to balance parental responsibilities with academic life, due to frequent travel, long working hours and fixed term contracts. Prolonged or regular fieldwork can be a particular challenge for geoscientists. Increased financial and institutional support is needed to alleviate the burden often felt by academic parents.

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**Addressing unconscious coloniality and decolonizing practice in geoscience**

*Ashley A. Klymiuk*

Unconscious coloniality reinforces inequity and exclusion of Indigenous peoples in STEM. Métis paleobiologist Az Klymiuk outlines ways individuals can become agents for cultural change by implementing decolonizing actions.
Other examples from across the Reviews Division
Inclusive publishing at *Nature Reviews*
DEVELOPING early career researchers

- Scheme to help train ECRs with peer review; all peer reviewers invited to co-review with an ECR
- Access provided to training materials (Nature Masterclass)
- Recognition: named in the peer reviewer statement and logged in our system

“This is an interesting opportunity for ECRs to learn how peer-review actually works, foster good reviewing practices, and allow them to get credit for their involvement which is a key issue.”

“I have occasionally asked a junior person for help with a review before, but was somewhat hesitant, because of the lack of credit. This is completely circumvented by this initiative, well done!”

“This is the level of critical, collaborative experience that ECR’s need to prepare for careers in this profession”

“It's truly commendable to see efforts aimed at involving ECRs in the peer review process. It creates autonomy for ECRs, empowering individuals to contribute to the scientific community”.

“The Nature Masterclasses were particularly valuable, and helped provide direction to the early-career reviewer that I worked with.”
Inclusive publishing at *Nature Reviews*

**DEVELOPING early career researchers**

Partnerships:

- NR Cardiology: British Heart Foundation (TotT/JCs)
- NR Immunology: Mt Sinai, Oxford U, Toronto U, Karolinska Inst. (pre-print watch)
- NR GastroHep: Little Big Brain meeting for best talk/poster (JC, WV)

Competitions:

- NR Bioengineering: ‘The ultimate bioengineering challenge’ competition

Journal Club/Tools of the Trade opportunities:

- NR Psychology
- NR Genetics
- NR Cancer
- NR Physics
- NR Endocrinology
- NR Chemistry
Citation diversity statement

- Citations are often biased: women, PoC and Global South less cited than men, white people and Global North
- Biased citations = a biased Review
- *Nature Reviews Bioengineering* pilot
- Guidance provided to authors on how to generate unbiased reference lists and consistently include historically excluded groups
- *Nature Reviews Biodiversity* will also implement, and other journals too

**Citation diversity statement**

We acknowledge that papers authored by scholars from historically excluded groups are systematically under-cited. Here, we have made every attempt to reference relevant papers in a manner that is equitable in terms of racial, ethnic, gender and geographical representation.
Inclusive publishing at *Nature Reviews*

Raising awareness
Breaking the silence in the medical literature:
Destigmatizing taboo topics

Daniel R. Dickstein, MD
Department of Radiation Oncology
Icahn School of Medicine at Mount Sinai
What do you believe are taboo topics?

What do you believe are some taboo topics in medicine and science?
No financial disclosures
Biomedical research ecosystem

Editorial support, visibility, impact
Original content creation
Provide content and academic assistance

Publisher

Interlibrary loan, subscription services
Content provision

Researcher

Librarian

Engagement
My relationship to the ecosystem

High School
Westfield Memorial Library, Westfield, NJ

College
Hawthorne-Longfellow Library, Bowdoin College, Brunswick, ME

Medical School
Levy Library, Icahn School of Medicine at Mount Sinai, New York, NY
What do we believe are some taboo topics
New annual prostate cancer cases in US, 2024 = 299,010
Prostate Cancer: treatment choice

Treatment choice

- Radical Prostatectomy
- External Beam Radiation Therapy
- Brachytherapy

Treatment-related side effects
How do prostate cancer treatments impact receptive anal intercourse?

Name: ___________________________________________ Date: ______________

**Sexual Health Inventory for Men**

*Patient Instructions*

This questionnaire is designed to help us quantify and treat your erectile dysfunction. You will be asked to complete this questionnaire in the future to measure the success of the treatment.

*Over the past six months:*

0 Meaning no sex drive – 5 normal sex drive

1. How do you rate your **confidence** that you can get and keep an erection?

   0 1 2 3 4 5

2. When you had erections with sexual stimulation, **how often** were your erections hard enough for penetration (entering your partner)?

   0 1 2 3 4 5
Sexual and gender minorities

**Sexual and Gender Minority:**
Individuals who identify as lesbian, gay, bisexual, transgender, gender diverse, asexual, queer, and intersex as well as those who do not but whose sexual orientation, gender identity, or reproductive development vary from traditional, societal, cultural or physiological norms

**Sexual Minority Men:**
Gay and Bisexual men (GBM)

**Gender Minority:**
Transgender women, gender diverse people
Prostate Cancer: sexual and gender minorities

New annual prostate cancer cases in US, 2024 = 299,010

×

Sexual and Gender Minority (SGM) Population in US, 2023 = 9.0%

= 27,000

For comparison:

New annual brain and spine cancer cases, 2024 = 25,400

New annual esophagus cancer cases, 2024 = 22,370
Breaking down the question

How do prostate cancer treatments impact receptive anal intercourse?

1. Sexual pleasure and cancer survivorship

1. Sexual and gender minorities with prostate cancer

1. Problematic receptive anal intercourse
Sexual behaviors in the literature

Coitus

The sexual union of a male and a female, a term used for human only.

PubMed search builder options

Subheadings:

- physiology
- psychology

- Restrict to MeSH Major Topic.
- Do not include MeSH terms found below this term in the MeSH hierarchy.

Tree Number(s): F01.145.802.188, G08.686.784.041
MeSH Unique ID: D003075
Entry Terms:

- Sexual Intercourse
- Intercourse, Sexual
- First Intercourse
- First Intercourses
- Intercourse, First
- Intercourses, First
- Coital Frequency
- Coital Frequencies
- Frequencies, Coital
- Frequency, Coital
Silence in the medical literature

How do prostate cancer treatments impact receptive anal intercourse?

1. Sexual pleasure and cancer survivorship

1. Sexual and gender minorities with prostate cancer

1. Problematic receptive anal intercourse
How do prostate cancer treatments impact receptive anal intercourse?

1. Sexual pleasure and cancer survivorship

1. Sexual and gender minorities with prostate cancer

1. Problematic receptive anal intercourse

1. Pleasurable receptive anal intercourse

Rare

Common (stigma & taboo)
Addressing silence in the medical literature

Talked about it…
Aired my frustration…
Tried to identify a solution…
Months passed
CALL FOR PAPERS!

After the amazing feedback about our 2021 Pride Collection, we are looking for content for Pride 2022!

We’re looking for several World View articles to discuss issues relevant to the LGBTQIA+ community in urology.

We’re particularly keen to hear from early-career researchers and young urologists from the community about their lived experiences or how the field can change to better support LGBTQIA+ patients and caregivers. But we are interested to hear from anyone with an interesting idea!

7:16 AM · Feb 17, 2022

If you have an idea for a Pride World View, please email us at nruro@nature.com with a synopsis and some information about yourself. If we choose your proposal, we’ll send a formal invitation.
Submitted an inquiry

Dear Dr. Fenner,

We are writing to express interest in submitting a publication to Nature Reviews Urology for the Pride Collection.

We would like to submit a comprehensive review on the impact of radiotherapy and surgery on sexual health and toxicity in sexual and gender minorities (SGM) with prostate cancer. This cohort remains understudied resulting in a poor understanding of how these treatments affect sexual function, a vital aspect to human health.

The purpose of this review is to describe the near absence of scientific literature about the relationship of sexual dysfunction experienced by SGM following prostate cancer treatment and how our current knowledge remains limited. We believe this review can help inform future equitable research within the clinical and translational setting as well as provide practitioners knowledge when discussing treatment options with SGM with prostate cancer. Attached you will find our manuscript title, working abstract, narrative of first and senior author, and an outline of the manuscript content.

Sincerely,

Daniel R. Dickstein, MD
Department of Radiation Oncology
Icahn School of Medicine at Mount Sinai
New York, NY
Dear Daniel,

Thank you so much for your email and your enthusiasm to write something for the Pride Collection.

Although I agree that disparities in sexual function outcomes in this population are a pressing issue, I don’t think we will be able to commission a Review for this year’s Pride Collection – the time frame is just too short to enable writing/peer review/editing/proofing/publishing etc of a full narrative Review before June! Furthermore, we covered some of this topic in a Review in 2019, which is still reasonably current.

However, I definitely think a short Comment article (much shorter, not peer-reviewed, opinion-based, not data-based) on the topic would be a valuable addition to the Collection. How would you feel about writing a Comment article (format info here) right away for Pride 2022 and us also commissioning a full narrative review with a plan to include it in next year’s Pride Collection (not yet confirmed, but it is something that I plan to do annually, if we have the content)? It would be published before Pride month 2023 (assuming we can get it through faster than that!) and then pulled into the Collection after publication. Then you can cite the 2022 Comment in the 2023 Review as well. This would give you more time to put together a really worthwhile Review on the topic, engage coauthors, and research the data, whilst also discussing the need for improved research in the area in a short article. Plus you get two publications for the price of one! Alternatively, if you prefer to submit the Review elsewhere with a view to faster publication, I completely understand (but we would still be keen to commission a Comment article!)

If this plan suits you, please let me know and we can send you formal invitations from our system to write the article(s) and discuss deadlines. FYI, you can find all the relevant info about writing for NRU here:
https://www.nature.com/nruol/for-authors/

Thanks and very best wishes
Annette
Commentary created opportunities

Top, bottom or vers? Creating a more equitable health system for sexual and gender minority patients with prostate cancer

Daniel R. Dickstein and Deborah C. Marshall

- Understand the literature
- Create a framework
- People found me (i.e. Identify collaborators/create a multidisciplinary team)

Submit narrative review
[H2] Anejaculation

Anejaculation is to be expected following radical prostatectomy,\textsuperscript{66} as it is caused by the removal of the prostate and seminal vesicles (Table 1). Reported rates of anejaculation vary widely, ranging from 11–91%.\textsuperscript{67} In a prospective study of 225 men receiving EBRT and 112 receiving brachytherapy, 72% of patients lost the ability to ejaculate normally. Furthermore, the proportion of patients experiencing anejaculation at 1, 3, and 5 years was 16%, 69%, and 89%, respectively.\textsuperscript{68} The aetiology of ejaculatory dysfunction following radiation therapy might be related to atrophy, fibrosis, scarring of the ejaculatory ducts, and/or urethral strictures leading to obstruction. The addition of ADT to a radiation regimen will likely worsen ejaculatory dysfunction.\textsuperscript{68}
[Au: Do you think a figure might be helpful here to illustrate the position of the structures we discuss in RAI? For example, I think many readers will not be familiar with the depth of penetration in RAI, the position of the prostate in relation to the penis etc. We have previously created similar figures to illustrate heterosexual intercourse. I’m thinking about a midline/sagittal section anatomical diagram to show both partners. Please do let me know if you think this is OK – I realise it might be a bit tasteless... If yes, we can work together to make it as clinical useful as possible.]

Figure: Anal Intercourse
Figure redrawing: anal intercourse
Figure redrawing: anal intercourse
Sexual health and treatment-related sexual dysfunction in sexual and gender minorities with prostate cancer

Impactful promotion

This fantastic new Review discusses the prostate as a sexual organ & how treatment for prostate cancer can affect quality of life in people from sexual and gender minorities, especially those who engage in receptive anal intercourse. Read it here: rdcu.be/dcTvf

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Symbiosis breaks the silence

Breaking the silence

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Ecosystem becomes a biome
My research: ecosystem becomes a biome

My research
Mentorship: ecosystem becomes a biome

- SGM with prostate cancer
- SGM with anal and rectal cancers
- Receptive anal intercourse
We all get erections — de-gendering sexual arousal dysfunction in the ICD

Lucy Greenwald, Daniel R. Dickstein, Barbara Chubak & Deborah C. Marshall
Collaboration: ecosystem becomes a biome
Collaboration: ecosystem becomes a biome

Review name *

Sexual Health Among Lesbian and Bisexual Cancer Survivors

Receptive anal intercourse
Inspiration: ecosystem becomes a biome

- SGM with anal and rectal cancers
- SGM with prostate cancer
- Bulboclitoris erectile tissues
- Receptive anal intercourse
- Sexual health in lesbian and bisexual cancer survivors
Inspiration: ecosystem becomes a biome

Environmental impact of cancer treatments

- SGM with anal and rectal cancers
- SGM with prostate cancer
- Bulboclitoris erectile tissues

Environmental impact of cancer treatments

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- Sexual health in lesbian and bisexual cancer survivors
Ecosystem becomes a biome

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<td>Sexual health in lesbian and bisexual cancer survivors</td>
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Conclusions

- Special issues drive innovation and amplify new investigator voices
- Through our symbiotic ecosystem we can break the silence
- Through guidance, collaboration, and visibility we can begin to destigmatize taboo topics
Breaking the silence never ends

Pleasurable and problematic receptive anal intercourse and diseases of the colon, rectum and anus

Daniel R. Dickstein, Collin R. Edwards ... Deborah C. Marshall

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- Graham Simpkins, PhD
Q&A
Thank you

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