

# Publishing Insights & Resources

2018 Professional Development and Mock Review Workshop

*Center to Reduce Cancer Health Disparities*

*National Cancer Institute*

Angela Welch, Ph.D.

29 June 2018

# Scientific Journey



## Publisher's role ?



# You are not alone.

## Who We Are

A global  
information analytics business  
specializing in science and health.

## Why We Do It

We help researchers,  
scientists, clinicians  
and librarians **solve  
challenges**, for the  
**benefit of humanity**



## What We Do

We help institutions and  
professionals **progress  
science, advance  
healthcare** and **improve  
performance.**

## How we do it

### A Unique Combination

Combine content with technology,  
supported by operational efficiency,  
to **turn information into actionable knowledge.**

# Helping you at each stage



Scopus



ScienceDirect

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Share Links

ClinicalKey



SciVal



newsflo  
bespoke media monitoring



## Today's Goals:

# TOOLKIT

- ✓ Prepare your manuscript
- ✓ Navigate the peer-review process
- ✓ Promote your work
- ✓ Work smarter



ELSEVIER

# Manuscript Preparation

Know the field

Journal selection

Manuscript writing tips



# Getting started

## 1) Become informed

- **What has been done?**
- What gap in knowledge does my work aim to fill?
- What is my hypothesis?

# Search *before* you start

## 12 document results

[View secondary documents](#) [View 17 patent results](#)

(TITLE-ABS-KEY ("3D bioprinting")) AND TITLE-ABS-KEY ("tissue engineering") AND TITLE-ABS-KEY (vasculature))

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Year

- 2017
- 2016
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Author name

- Gou, M.
- Ma, X.
- Miller, J.S.
- Zhang, K.
- Zhu, W.

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Subject area

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	Document title	Authors	Year	Source	Cited by
<input type="checkbox"/> 1	Direct 3D bioprinting of prevascularized tissue constructs with complex microarchitecture	Zhu, W., Qu, X., Zhu, J., (...), Zhang, K., Chen S.	2017	Biomaterials 124, pp. 106-115	0
	View abstract <input type="button" value="Full Text"/> View at Publisher Related documents				
<input type="checkbox"/> 2	3D Bioprinting for Vascularized Tissue Fabrication	Richards, D., Jia, J., Yost, M., Markwald, R., Mei, Y.	2017	Annals of Biomedical Engineering 45(1), pp. 132-147	0
	View abstract <input type="button" value="Full Text"/> View at Publisher Related documents				
<input type="checkbox"/> 3	Direct 3D bioprinting of perfusable vascular constructs using a blend bioink	Jia, W., Gungor-Ozkerim, P.S., Zhang, Y.S., (...), Shin, S.R., Khademhosseini, A.	2016	Biomaterials 106, pp. 58-68	4
	View abstract <input type="button" value="Full Text"/> View at Publisher Related documents				
<input type="checkbox"/> 4	Recent advances in bioprinting techniques: Approaches, applications and future prospects	Li, J., Chen, M., Fan, X., Zhou, H.	2016	Journal of Translational Medicine 14(1),271 <a href="#">Open Access</a>	4
	View abstract <input type="button" value="Full Text"/> View at Publisher Related documents				
<input type="checkbox"/> 5	Vascularization of three-dimensional engineered tissues for regenerative medicine applications	Kim, J.J., Hou, L., Huang, N.F.	2016	Acta Biomaterialia 41, pp. 17-26	0
	View abstract <input type="button" value="Full Text"/> View at Publisher Related documents				

# Stay up to date

## ELSEVIER Newsletter OncologyAdvance

Welcome to the first edition of Oncology Advance board members to Journal of Geriatric Research. We are also delighted to showcase the latest issue of European Journal of Oncology Nursing.

Read on for more journal news from our wide range of Oncology titles.

In this issue:

- Special issues from [European Journal of Surgical Oncology](#), [Gynecologic Oncology](#)
- Open access content from [Leukemia Research Reports](#)
- Highlighted articles from [Surgical Oncology](#), [Neoplasia](#)
- New article types in [Current Problems in Cancer](#)

### Are we over-treating thyroid cancer: Special issue of the EJSO launched in March



A [special issue of the EJSO](#), edited by Volkert Wreesman (Portsmouth, UK), reviews whether we are over-treating thyroid cancer. In his editorial introducing the issue Wreesman comments, "In recent years, growing interest in de-escalation of differentiated thyroid cancer treatment has paralleled the increasing realization that a proportion of patients with DTC may be exposed to a degree of overtreatment. Overtreatment is often rooted in our inability to convincingly differentiate the minority of aggressive and potentially lethal DTC from the majority of innocuous DTC." In recognition of the importance of the issue, it has been made freely available to all readers.

**Oncology Advance** @OncologyAdvance · 10h

On your way home from #ENLIGHT2018 meeting? Why not listen to our podcast where @SteveHahnMD & Prof Anthony Zeitman discuss technological advances in and current issues with [#protontherapy](#) [bit.ly/2N4mVbp](#) as part of our [#ClinOnc](#) special issue on this topic [#protontherapy](#)

SPECIAL ISSUE



**Clinical Oncology**  
Proton Beam and Particle Therapy:  
Guest Editor, Dr Raj Jena  
Podcast Part 1: Featuring interviews with Prof. Anthony Zeitman and Dr. Stephen Hahn

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## ScienceDirect

**Alert: Journal of Immunology and Regenerative Medicine**  
New articles available on ScienceDirect

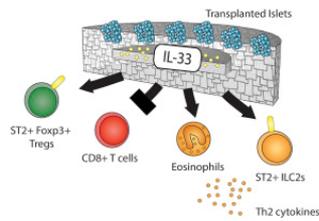


**Journal of Immunology and Regenerative Medicine**  
Volume 1, Pages 1-76, March 2018

**Editorial Board**  
Page ii

**Evaluation of biomaterial scaffold delivery of IL-33 as support cell transplantation in adipose tissue** Original Research Article  
Pages 1-12  
Jeffrey M.H. Liu, Xiaomin Zhang, Shelby Joe, Xunrong Luo, L...

**Graphical abstract**



Hello Angela, here are personalized recommendations based on your latest signed in ScienceDirect activity.

**What is the optimal duration of human chorionic gonadotrophin surveillance following evacuation of a molar pregnancy? A retrospective analysis on over 20,000 consecutive patients**  
Original research article  
Gynecologic Oncology, Volume 148, Issue 2, February 2018, Pages 254-257  
Christopher Coyle, Dee Short, Lauren Jackson, ... Michael J. Seckl

**...-line single-agent chemotherapy for gestational trophoblastic neoplasia: A retrospective analysis**  
February 2018, Pages 247-253

**Mendeley**

Keep up to date with your network. [View this email in your browser.](#)

Hi Angela,

Don't miss out on things happening in your network. Find the key highlights below.

---

Your co-author has published a new article  
May 3

**Enteric Nervous System Regulation of Intestinal Stem Cell Differentiation and Epithelial Monolayer Function**  
M. Puzan, S. Husic, C. Ghio, A. Koppes  
Scientific Reports

[See Details](#)

---

**Peter Dodd's publication Differential expression of 14-3-3 isoforms in human alcoholic brain** has been cited by  
May 3

**Knockdown of tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta (YWHAZ) enhances tumorigenesis both in vivo and in vitro in bladder cancer**  
S. Liu, H. Jiang, H. Wen, Q. Ding, C.C. Feng  
Oncology Reports

[See Details](#)

## Getting started

### 1) Become informed

- What has been done?
- What gap in knowledge does my work aim to fill?
- What is my hypothesis?

### 2) Ensure robustness

- Are my experiments designed to answer that hypothesis?
- Do I need additional validation of any parameters?
- **Have I obtained / complied with all regulatory and ethics approvals?**

## Ethics committee (IRB) approval



- Experiments on humans or animals must follow applicable ethics standards
- Approval of the local ethics committee is required and should be specified in the manuscript, covering letter or the online submission system
- Editors can make their own decisions on ethics

# Reporting guidelines

- <http://www.equator-network.org/reporting-guidelines>
- Reporting guidelines are an important step towards fixing the deficiencies in our scientific literature.
- Groups of clinicians, academics, systematic reviewers, and statisticians have come together to **define the minimum set of information** that each group needs **to be able to use a particular kind of study**.
- Reporting guidelines now exist for most general study types. Specific guidelines have also been created for particular outcomes and methods that are routinely reported badly

# Reporting guidelines for main study types



**Enhancing the QUALity and  
Transparency Of health Research**



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### Search for reporting guidelines



Browse for reporting guidelines by selecting one or more of these drop-downs:

Study type

and

Clinical area

and

Section of report

Or search with free text

[Start again](#) | [Help](#)

1

[Guidelines for reporting meta-epidemiological methodology research](#)

2

[Reporting to Improve Reproducibility and Facilitate Validity Assessment for Healthcare Database Studies V1.0](#)



### Reporting guidelines for main study types

<a href="#">Randomised trials</a>	<a href="#">CONSORT</a>	<a href="#">Extensions</a>
<a href="#">Observational studies</a>	<a href="#">STROBE</a>	<a href="#">Extensions</a>
<a href="#">Systematic reviews</a>	<a href="#">PRISMA</a>	<a href="#">Extensions</a>
<a href="#">Case reports</a>	<a href="#">CARE</a>	<a href="#">Extensions</a>
<a href="#">Qualitative research</a>	<a href="#">SRQR</a>	<a href="#">COREQ</a>
<a href="#">Diagnostic / prognostic studies</a>	<a href="#">STARD</a>	<a href="#">TRIPOD</a>
<a href="#">Quality improvement studies</a>	<a href="#">SQUIRE</a>	
<a href="#">Economic evaluations</a>	<a href="#">CHEERS</a>	
<a href="#">Animal pre-clinical studies</a>	<a href="#">ARRIVE</a>	
<a href="#">Study protocols</a>	<a href="#">SPIRIT</a>	<a href="#">PRISMA-P</a>
<a href="#">Clinical practice guidelines</a>	<a href="#">AGREE</a>	<a href="#">RIGHT</a>

## Gather supporting documents

- Protocol
- Trial registration
- Signatures
- Conflicts of interest statements
- Patient consent
- References in press
- Permission to reproduce

## Getting started

### 1) Become informed

- What has been done?
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### 2) Ensure robustness

- Are my experiments designed to answer that hypothesis?
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### 3) Consider the audience

- Which community needs to see my results?
- Which journals should I consider for publication?
- What is the best type of article?

# Committed to Open Science

- Open Science describes a way of working which makes research more **inclusive**, more **collaborative** and more **transparent**.
- Elsevier partners with the research community to empower open science.
- We believe open science can benefit research and society and drive research performance.



# Open Access

- Free and permanent access to scholarly research
- *combined with* clear guidelines (user licenses) for users to re-use the content.

	Gold Open Access	Green Open Access
<b>Access</b>	<ul style="list-style-type: none"> <li>▪ Free public access to the final published article</li> <li>▪ Access is immediate and permanent</li> </ul>	<ul style="list-style-type: none"> <li>▪ Free public access to a version of your article</li> <li>▪ Time delay may apply (embargo period)</li> </ul>
<b>Fee</b>	<ul style="list-style-type: none"> <li>▪ Article publishing charge (APC) is paid</li> </ul>	<ul style="list-style-type: none"> <li>▪ No fee is payable by the author, as costs are covered by library subscriptions</li> </ul>
<b>Use</b>	<ul style="list-style-type: none"> <li>▪ Determined by your user licence</li> </ul>	<ul style="list-style-type: none"> <li>▪ Authors retain the right to use their articles for a wide range of purposes</li> <li>▪ Open versions of your article should have a user license attached</li> </ul>
<b>Options</b>	<ul style="list-style-type: none"> <li>▪ Open access journal</li> <li>▪ Hybrid journal</li> </ul>	<ul style="list-style-type: none"> <li>▪ Link to your article</li> <li>▪ Selected journals feature open archives</li> <li>▪ Self-archive a version of your article</li> </ul>

# NIH Public Access Policy



National Institutes  
of Health

## A. General Information

### 1. What is the NIH Public Access Policy?

The Policy implements Division G, Title II, Section 218 of PL 110-161 (Consolidated Appropriations Act, 2008) which states:

*SEC. 218. The Director of the National Institutes of Health shall require that all investigators funded by the NIH submit or have submitted for them to the National Library of Medicine's PubMed Central an electronic version of their final peer-reviewed manuscripts upon acceptance for publication, to be made publicly available no later than 12 months after the official date of publication: Provided, That the NIH shall implement the public access policy in a manner consistent with copyright law.*

The Public Access Policy ensures that the public has access to the published results of NIH-funded research. It requires scientists to submit final peer-reviewed journal manuscripts that arise from NIH funds to the digital archive PubMed Central (<http://www.ncbi.nlm.nih.gov/pmc/>). The Policy requires that these final peer-reviewed manuscripts be accessible to the public on PubMed Central to help advance science and improve human health.

### 2. What is PubMed Central?

PubMed Central is an archive of full-text biomedical journal papers available online without a fee. Papers on PubMed Central contain links to other scientific databases such as GenBank (<http://www.ncbi.nlm.nih.gov/Genbank/>) and PubChem (<http://pubchem.ncbi.nlm.nih.gov/>). Papers collected under the Public Access Policy are archived on PubMed Central. More information about PubMed Central is available at <http://www.ncbi.nlm.nih.gov/pmc/about/faq.html>.

### 3. What are the benefits of posting peer-reviewed papers to PubMed Central?

Once posted to PubMed Central, results of NIH-funded research become more prominent, integrated and accessible, making it easier for all scientists to pursue NIH's research priority areas competitively. PubMed Central materials are integrated with large NIH research data bases such as Genbank and PubChem, which helps accelerate scientific discovery. Clinicians, patients, educators, and students can better reap the benefits of papers arising from NIH funding by accessing them on PubMed Central at no charge. Finally, the Policy allows NIH to monitor, mine, and develop its portfolio of taxpayer funded research more effectively, and archive its results in perpetuity.

# NIH Public Access Policy and Preprint Citations

NIH National Institutes of Health  
Office of Extramural Research

Extramural *Nexus*

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## Open Mike

*Helping connect you with the NIH perspective, and helping connect us with yours*

Posted on [March 28, 2017](#) by [Mike Lauer](#)

### Following Up On Interim Research Products

The role of preprints — complete and public draft manuscripts which have not gone through the formal peer review, editing, or journal publishing process — continues to be a hot topic in the biological and medical sciences. In January, three major biomedical research organizations, [HHMI](#), the [MRC](#), and the [Wellcome Trust](#), changed their policies to allow preprints to be cited in their progress reports and applications.



Dr. Michael Lauer is NIH's Deputy Director for Extramural Research, serving as the principal scientific

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Tomorrow's Research Today

# Selecting the right journal

## Journal Finder Tool

The screenshot shows the Elsevier website's 'Journal Finder Tool' for authors. At the top, there is the Elsevier logo, a search bar with the placeholder text 'Type here to search on Elsevier.com', and navigation links for 'Advanced search', social media, and 'Help & Contact'. Below this is a horizontal menu with categories: 'Journals & books', 'Solutions', 'Authors, editors & reviewers', 'About Elsevier', 'Community', and 'Store'. The main content area is titled 'Elsevier for authors' and includes a 'How to publish in an Elsevier journal' section. This section explains that Elsevier publishes over 250,000 articles annually and provides two methods for finding a journal: matching an abstract or searching by name. A horizontal process flow diagram shows five steps: 'Publishing process', 'Find a journal', 'Prepare your paper', 'Submit paper', and 'Check status'. Below the flow, there are two search options: a 'Start matching' button and a 'Search for a Journal' button with an adjacent search input field. A section titled 'The Elsevier publishing process step by step' begins with '1. Find the right journal', explaining that the first step is finding the right journal and listing prominent journals like The Lancet, Cell, and Tetrahedron Letters.

Articles in your references will likely lead you to the right journals for consideration.

## Bibliometric indicators



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Angela Welch ▾



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Search

Article title, Abstract, Keywords



E.g., "Cognitive architectures" AND robots

Scopus

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Angela Welch <sup>Ⓜ</sup> [Logout](#)



## Sources

Title



Enter title

Find sources

Subject area

Title

Publisher

ISSN

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Journals and serials

are:



Sources

Subject area Enter subject area

Subject: Oncology x

**i** CiteScore metrics for journals and serials  
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- 3rd quartile
- 4th quartile

Source type

- Journals

362 titles

Source title

Ca-A Cancer Journal f

Nature Reviews Canc

Cancer Cell

Drug Resistance Upda

Liver Cancer

Source details

Feedback Compare sources

Gynecologic Oncology

Scopus coverage years: from 1972 to Present

Publisher: Elsevier

ISSN: 0090-8258 E-ISSN: 1095-6859

Subject area: Medicine: Obstetrics and Gynecology Medicine: Oncology

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Visit Scopus Journal Metrics

CiteScore 2017 **4.29**

SJR 2017 **2.339**

SNIP 2017 **1.592**

CiteScore CiteScore rank & trend Scopus content coverage

CiteScore 2017 Calculated using data from 30 April, 2018

$$4.29 = \frac{\text{Citation Count 2017}}{\text{Documents 2014 - 2016}^*} = \frac{5,382 \text{ Citations}}{1,254 \text{ Documents}}$$

\*CiteScore includes all available document types [View CiteScore methodology >](#) [CiteScore FAQ >](#)

CiteScoreTracker 2018 Last updated on 08 June, 2018 Updated monthly

$$1.53 = \frac{\text{Citation Count 2018}}{\text{Documents 2015 - 2017}} = \frac{1,877 \text{ Citations to date}}{1,227 \text{ Documents to date}}$$

CiteScore rank

Category	Rank	Percentile
Medicine Obstetrics and Gynecology	#3/166	98th
Medicine Oncology	#51/323	84th

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\* Metrics displaying this icon are compiled according to Snowball Metrics, a collaboration between industry and academia.

# Consult the Journal Homepage

The screenshot displays the EJC homepage with the following sections:

- On the Cover:** Features the journal cover and a 'Subscribe to Journal' button.
- Current Issue:** July 2018, Volume 98. Includes a 'Listen Now' button for EJC Podcasts.
- About the Journal:** Describes the journal's focus on preclinical, translational, and clinical research in cancer.
- Journal Insights:** Provides information on journal metrics and offers a 'Free Trial Issue'.
- Journal Metrics:** Shows a 2016 Impact Factor of 6.029 and a link to 'View More on Journal Insights'.
- Journal Access:** States that full-text articles are available from 1997 to the present, with complimentary access to abstracts.
- Society Information:** Lists affiliations with EORTC, ECCO, and EUSOMA.
- Issue Highlights:** Lists several articles, including 'Histologic heterogeneity of triple negative breast cancer' and 'Potentially curable gastric adenocarcinoma treated without surgery'.
- Articles in Press:** Lists upcoming articles such as 'Environment, cancer and inequalities—The urgent need for prevention'.
- Supports Open Access:** Encourages authors to learn more about open access options.
- Publishing Information:** Details the journal's publication by Elsevier for the EORTC, ECCO, and EUSOMA.
- PlumX Metrics:** Promotes the use of PlumX Metrics to track article engagement.

## Types of manuscripts



Full articles



Letters or short communications



Review papers and Current Opinions



Clinical Case Reports, (Molecular) Tumor Board Presentations



Micro Articles

SoftwareX, MethodsX, HardwareX, Data-in-Brief

Your supervisor or colleagues are also good sources for advice on manuscript types.

# Manuscript preparation Guide for Authors

Browse journals > Nanomedicine... > Guide for auth...

## Guide for Authors

### Author information pack

- Article types
  - General requirements
  - References
  - Supplementary materials
  - Video
  - AudioSlides
  - Data visualization
  - Supplementary material
  - Submission checklist
  - Editorial decisions and peer review
  - Online proof correction
  - Offprints
- BEFORE YOU BEGIN**
- Ethics in publishing
  - Human and animal rights
  - Conflict of interest
  - Submission declaration and verification
  - Authorship
  - Changes to authorship
  - Copyright
  - Role of the funding source
  - Open access
  - Submission
- PREPARATION**
- Article structure
  - Title page
  - Abstract
  - Graphical abstracts
  - Keywords
  - Structure of text
  - Acknowledgements
  - Footnotes
  - Artwork
  - Tables
- AFTER ACCEPTANCE**
- AUTHOR INQUIRIES**



Home > Journals > Nanomedicine: Nanotechnology, Biology and Medicine



ISSN: 1549-9634

## Nanomedicine: Nanotechnology, Biology and Medicine

Nanotechnology, Biology, and Medicine

> Supports Open Access

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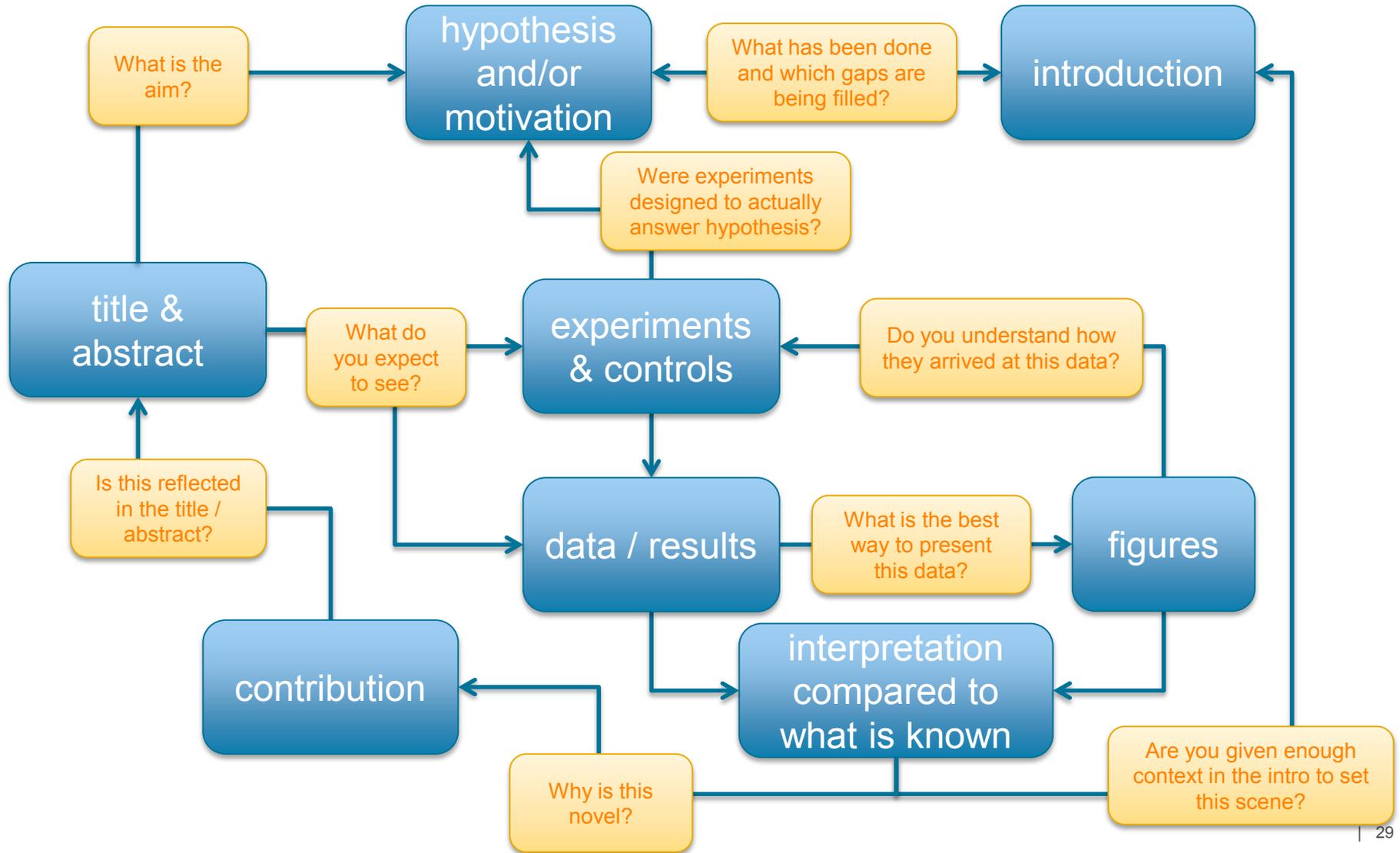
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Announcements

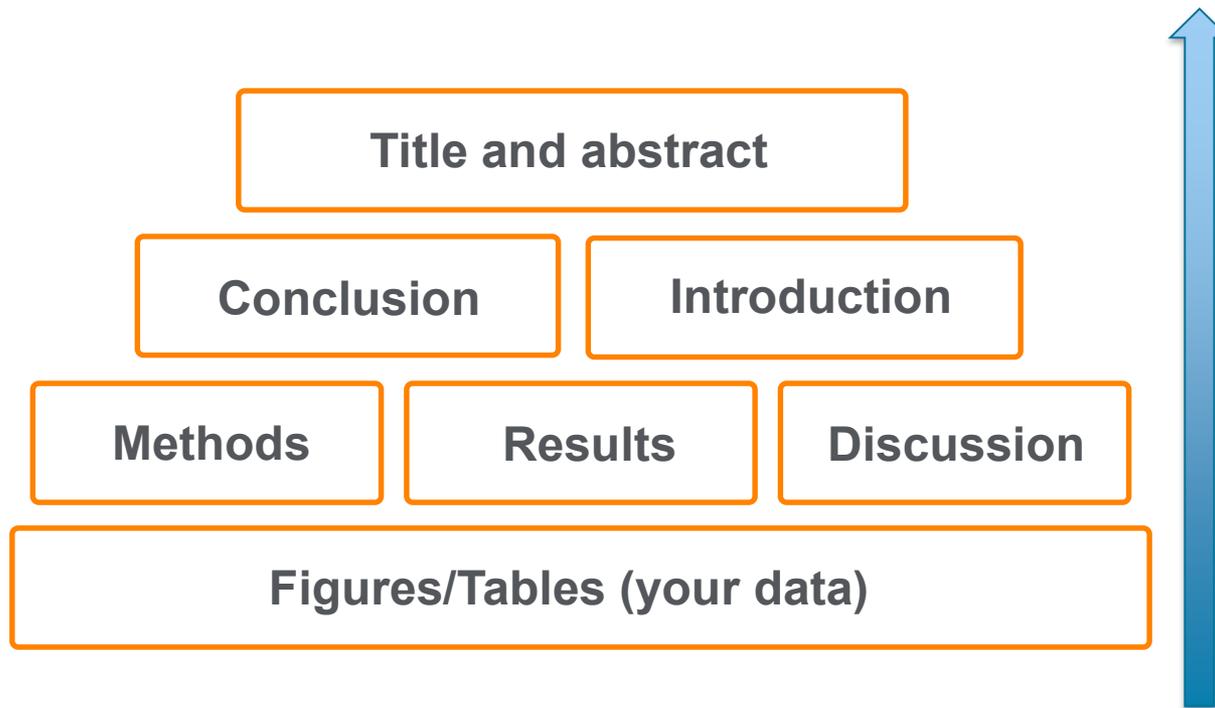
## General structure of a research article

- Title
  - Abstract
  - Keywords
- informative, attractive, effective
- Introduction
  - Methods
  - Results and Discussion
- Make sure each section fulfills its purpose clearly and concisely
- Conclusion
  - Acknowledgements
  - References
  - Supporting materials

## How do you read a paper?



## Write the way you read



## Manuscript Language

- Avoid contractions
  - *it's, wasn't, weren't, hasn't, etc.*
- Use active voice to shorten sentences
  - Passive: “CO<sub>2</sub> was consumed by the plant”
  - Active: “the plant consumed CO<sub>2</sub>”
- Limit use of conjunctions and conjunctive adverbs
  - *and, but, so, yet, because, than, etc.*
  - *furthermore, however, rather, thus, therefore*
- Eliminate redundant or meaningless phrases
  - *schematic diagram, research work, etc.*
  - *“In this paper, we prepared...”*

Remember: English may not be the native language for your readers.

Short, simple sentence structures are easier for all to understand!

How do you search for an article or  
research a particular topic?



# Search Engine Optimization (SEO)

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EBioMedicine Volume 1, Issues 2-3, December 2014, Pages 107-116

Original Article

**Human Kidney Disease-causing INF2 Mutations Perturb Rho/Dia Signaling in the Glomerulus**

Hua Sun<sup>a, b, e</sup>, Khalidoun I. Al-Romaih<sup>a, b</sup>, Calum A. MacRae<sup>b, c, d</sup>, Martin R. Pollak<sup>a, b, d</sup>

doi:10.1016/j.ebiom.2014.11.009

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Highlights

- Dose dependent knockdown of zebrafish **INF2** defines an overt glomerular phenotype.
- This phenotype is rescued by human wild-type INF2 but not by disease causing **INF2 mutants**.
- The developmental phenotype correlates with disinhibited diaphanous formin activity
- The INF2 knockdown phenotype is rescued by knockdown of either RhoA or Dia2
- INF2 mutations lead to uncontrolled Rho/Dia signaling and perturbed actin dynamics.

Abstract

Mutations in **Inverted Formin 2 (INF2)**, a diaphanous formin family protein that regulates actin cytoskeleton dynamics, cause local segmental glomerulosclerosis (FSGS) and Charcot-Marie-Tooth Disease (CMT) in humans. In addition to directly remodeling actin filaments in vitro, we have shown that **INF2** regulates intracellular actin dynamics and actin dependent cellular behavior by opposing RhoA/Dia signaling. As a step towards a better understanding of the human kidney disease, we wanted to explore the relevance of these findings to the in vivo situation. We used dose dependent knockdown of INF2 to first define an in vivo model and establish an overt glomerular phenotype in zebrafish. This simple assay was validated by rescue with wild type INF2 confirming the specificity of the findings. The edema, podocyte dysfunction, and an altered glomerular filtration barrier observed in the zebrafish pronephros correlate with mistrafficking of glomerular slit diaphragm proteins, defective slit-diaphragm signaling, and disinhibited diaphanous formin

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Article outline: Show full outline

Highlights

Abstract

Keywords

1. Introduction

2. Materials and Methods

3. Results

4. Discussion

Acknowledgments

References

Figures and tables

# SEO: Data linking

The screenshot shows the ScienceDirect interface for an article in *Physics Letters B*. The article title is "Cross sections of the  $p p \rightarrow K^+ \Sigma^+ n$  reaction close to threshold". The abstract states: "We have measured inclusive data on  $K^+$ -meson production in  $pp$  collisions at COSY Jülich close to the hyperon production threshold and determined the hyperon–nucleon invariant mass spectra. The spectra were decomposed into three parts:  $\Lambda p$ ,  $\Sigma^0 p$  and  $\Sigma^+ n$ . The cross section for the  $\Sigma^+ n$  channel was found to be much smaller than a previous measurement in that excess energy region. The data together with previous results at higher energies are compatible with a phase space dependence." The "Data for this Article" section is highlighted with an orange circle and an arrow pointing to the text "Link to data repository".

Link to data repository

# SEO: Image captions

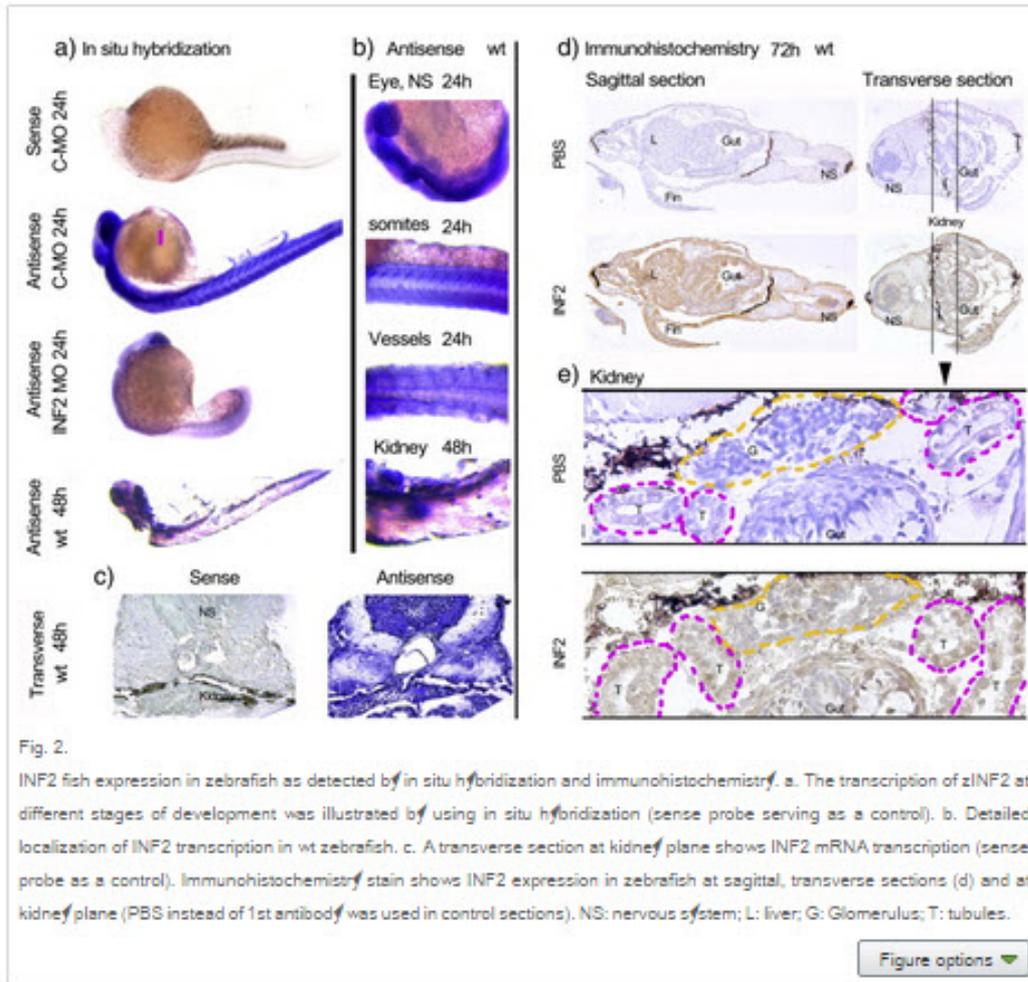


Fig. 2.

INF2 fish expression in zebrafish as detected by in situ hybridization and immunohistochemistry. a. The transcription of zINF2 at different stages of development was illustrated by using in situ hybridization (sense probe serving as a control). b. Detailed localization of INF2 transcription in wt zebrafish. c. A transverse section at kidney plane shows INF2 mRNA transcription (sense probe as a control). Immunohistochemistry stain shows INF2 expression in zebrafish at sagittal, transverse sections (d) and at kidney plane (PBS instead of 1st antibody was used in control sections). NS: nervous system; L: liver; G: Glomerulus; T: tubules.

Image caption with keywords

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## Animal Behaviour

Volume 86, Issue 6, December 2013, Pages 1165–1181



### Cuckoos in raptors' clothing: barred plumage illuminates a fundamental principle of Batesian mimicry

Thanh-Lan Gluckman, Nicholas I. Mundy

Show more

DOI: 10.1016/j.anbehav.2013.09.020

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#### Highlights

- We quantified barred plumage in Old World parasitic cuckoos and sympatric raptors.
- We test whether distribution overlap predicts similarity in barred plumage.
- Cuckoos match sympatric raptors and similarity is rarely influenced by habitat.
- There is no match for any aspect of patterning in cuckoos and allopatric raptors.
- This conforms to Batesian mimicry and cuckoo–hawk mimicry may be widespread.

A fundamental principle of Batesian mimicry is that it pays to look like a local harmful species that is recognizable to other local species (receivers). Mimicking an allopatric species confers no benefit, as it is

#### Recommended articles

#### Citing articles (0)

#### Related book content

#### Cuckoos in raptors' clothing: barred plumage illuminates a fundamental principle of Batesian mimicry

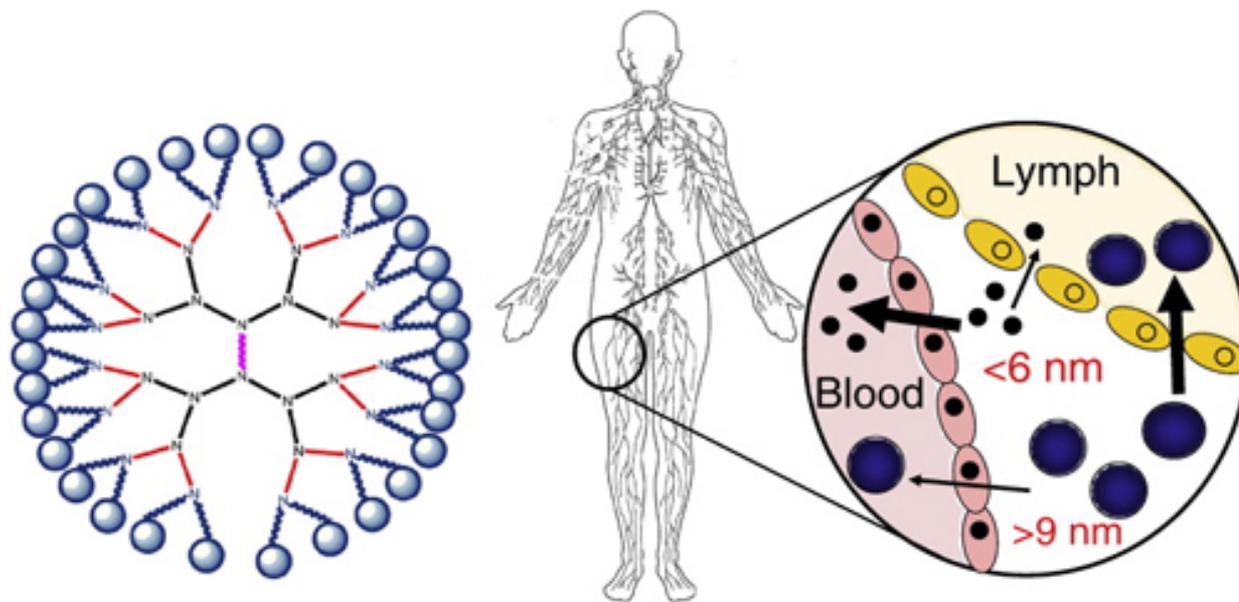
Thanh-Lan Gluckman & Nicholas I Mundy



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## SEO: Graphical Abstracts



**Targeting the lymphatics using dendritic polymers (dendrimers)**, Lisa M. Kaminskasa, Christopher J.H. Porter, *Advanced Drug Delivery Reviews*, <http://dx.doi.org/10.1016/j.addr.2011.05.016>

# Title

A good title should contain the fewest possible words that adequately describe the content of a paper

## Effective titles

- Identify the **main issue** of the paper
- Are accurate, unambiguous, **specific**, and complete
- Do not contain rarely-used abbreviations
- **Attract readers** - short, catchy titles are often better cited
  - Remember: readers are the potential authors who will cite your article

## Abstracts

- This is the **advertisement** of your article
- A **clear** abstract will strongly influence whether or not your work is considered
- Make it interesting and **understandable**
- Make it accurate and specific
  - *What has been done?*
  - *What are the main findings?*
- Keep it as **brief** as possible

### Follow the Rule of 10

1-2 sentences: aim

2-3 sentences: materials & methods

2-3 sentences: results

2 sentences: discussion/conclusions

# Keywords

Keywords are **used by indexing and abstracting services** and serve as the **labels** for your manuscript.

Avoid making them

- too general (e.g. “nanomaterials” = 33K results)
- too narrow (e.g. “nanosimulation” = 5 results)
- duplicates of words already in the title

Effective approach

- Search the author keywords of articles relevant to your manuscript and see how many results are returned

## Introduction

○ Provide a brief context to the readers

You are telling a story.  
Introduction sets the scenario.

○ Address the problem

Do not attempt to summarize the whole field (it is not possible!)

○ Identify the solutions and limitations

What is your motivation?  
What are the gaps in knowledge?

○ Indicate novelty of approach

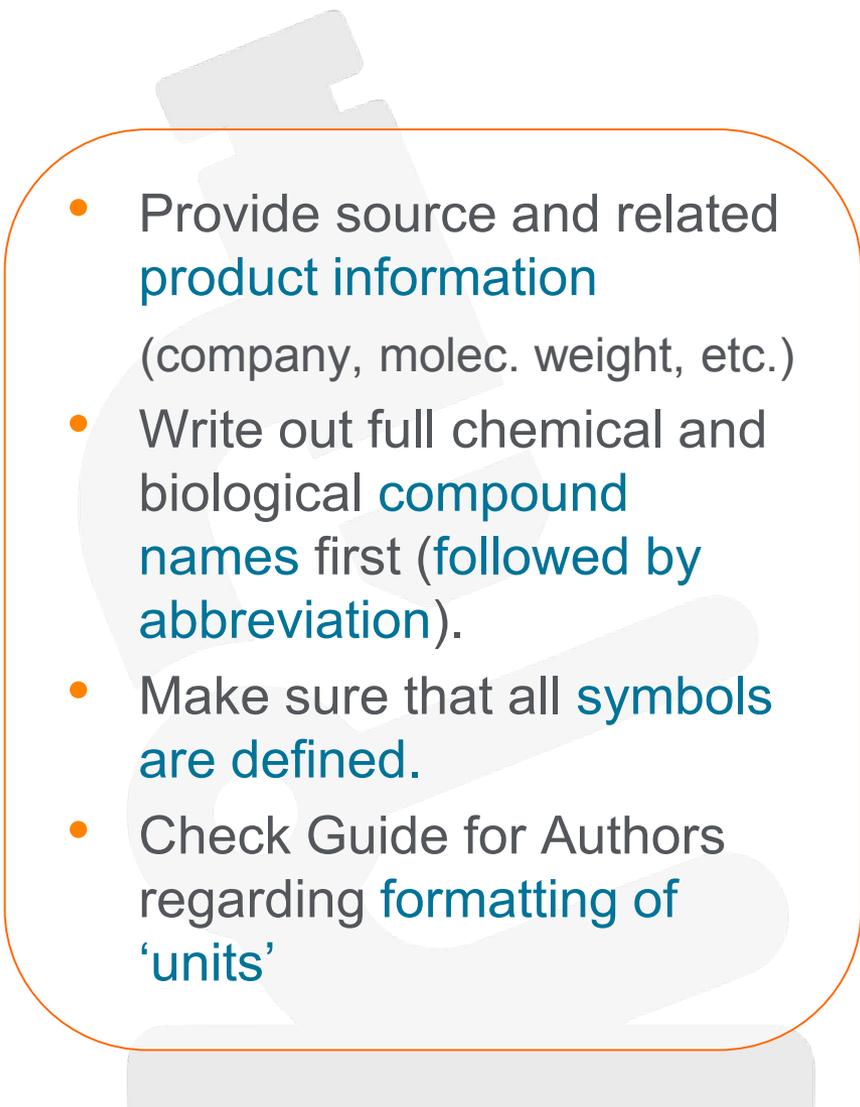
Why is your approach different or better?  
How do you plan to fill the gaps?

○ Offer clear hypothesis and proposed solution

At the end of the introduction, the reader should *know the problem* and the *solution you propose*.

## Methods

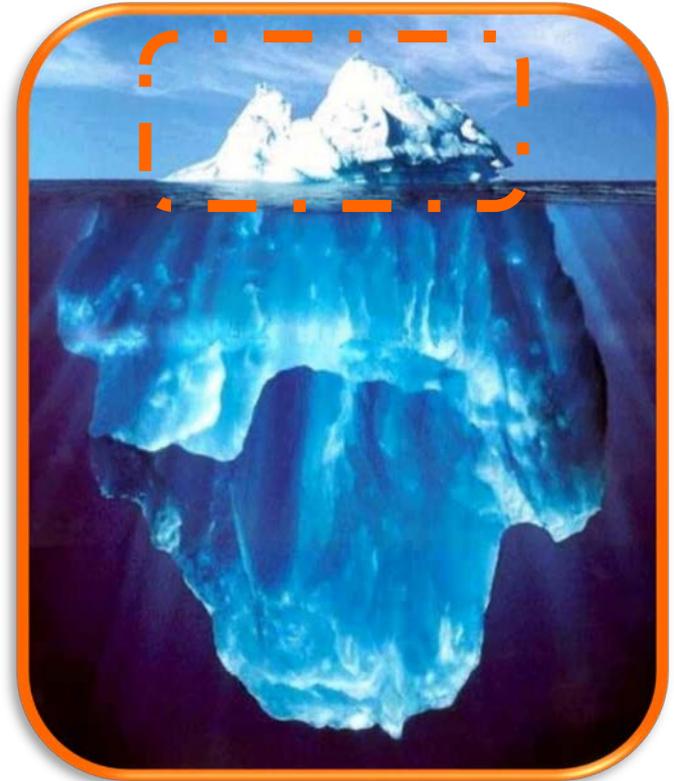
- 
- Describe how the problem was studied
  - Identify equipment and materials used
  - Do not describe previously published procedures
  - Present experimental controls and statistical analyses

- 
- Provide source and related **product information** (company, molec. weight, etc.)
  - Write out full chemical and biological **compound names** first (followed by **abbreviation**).
  - Make sure that all **symbols are defined**.
  - Check Guide for Authors regarding **formatting of 'units'**

## Results

- Be clear and easy to understand
- Highlight the main findings
- Feature unexpected findings
- Provide statistical analysis
- Include illustrations and figures

Analytical description of data with minimal interpretation of results and/or comparison with literature



Contributed by Diego Gutierrez

## Results: figures and tables

- Easy to read – maximize space
- Consistent formatting between figures
- Plots: labels, scale and symbols
- Micrographs: scale bar, key features, image manipulations
- Self-explanatory captions and legends – clear take home point



# Results: Figures



Journal of the Mechanical Behavior of Biomedical Materials

Volume 45, May 2015, Pages 11–21



Research Paper

## Analysis of behind the armor ballistic trauma

Yaoke Wen<sup>a</sup>, Cheng Xu<sup>a</sup>, Shu Wang<sup>b</sup>, R.C. Batra<sup>c</sup>

<sup>a</sup> School of Mechanical Engineering, Nanjing University of Science and Technology, Nanjing 210094, China

<sup>b</sup> No. 208 Research Institute of China Ordnance Industries, Beijing 102202, China

<sup>c</sup> Department of Biomedical Engineering and Mechanics, Virginia Polytechnic Institute and State University, M/C 0219, Blacksburg, VA 24061, USA

Received 2 September 2014, Revised 6 January 2015, Accepted 12 January 2015, Available online 21 January 2015



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doi:10.1016/j.jmbm.2015.01.010

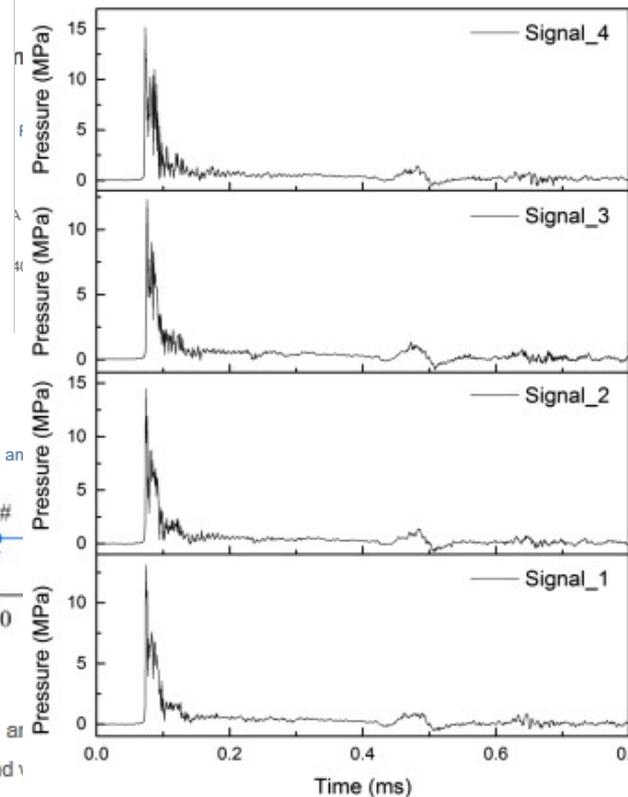
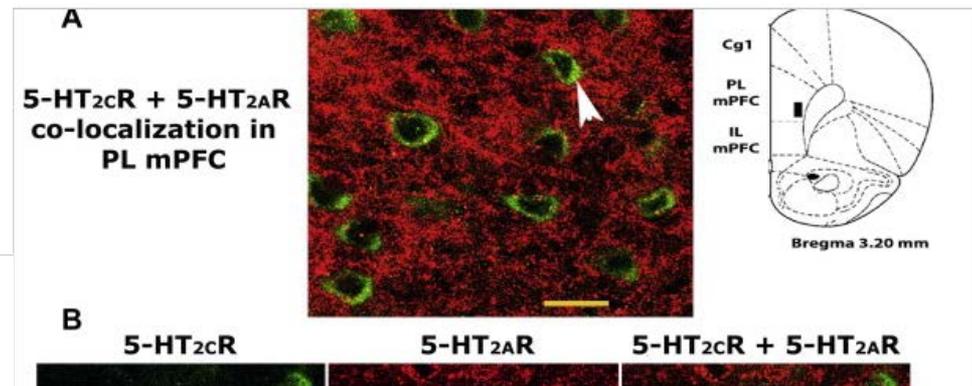
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<sup>f</sup> Division of Integrative Neuroscience, New York State Psychiatric Institute, New York, NY 10032, USA

Accepted 20 March 2015, Available online 27 March 2015

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doi:10.1016/j.neuroscience.2015.03.050



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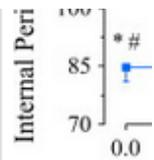


Fig. 6.

(A) Opening at perimeter and of 0.33 means values±SE. Sy color for TAV, a

Fig. 6.

Time histories, at the four gages, of the experimentally measured pressures for a 7.62 mm bullet impacting at 692 m/s the gelatin block shielded by the armor.

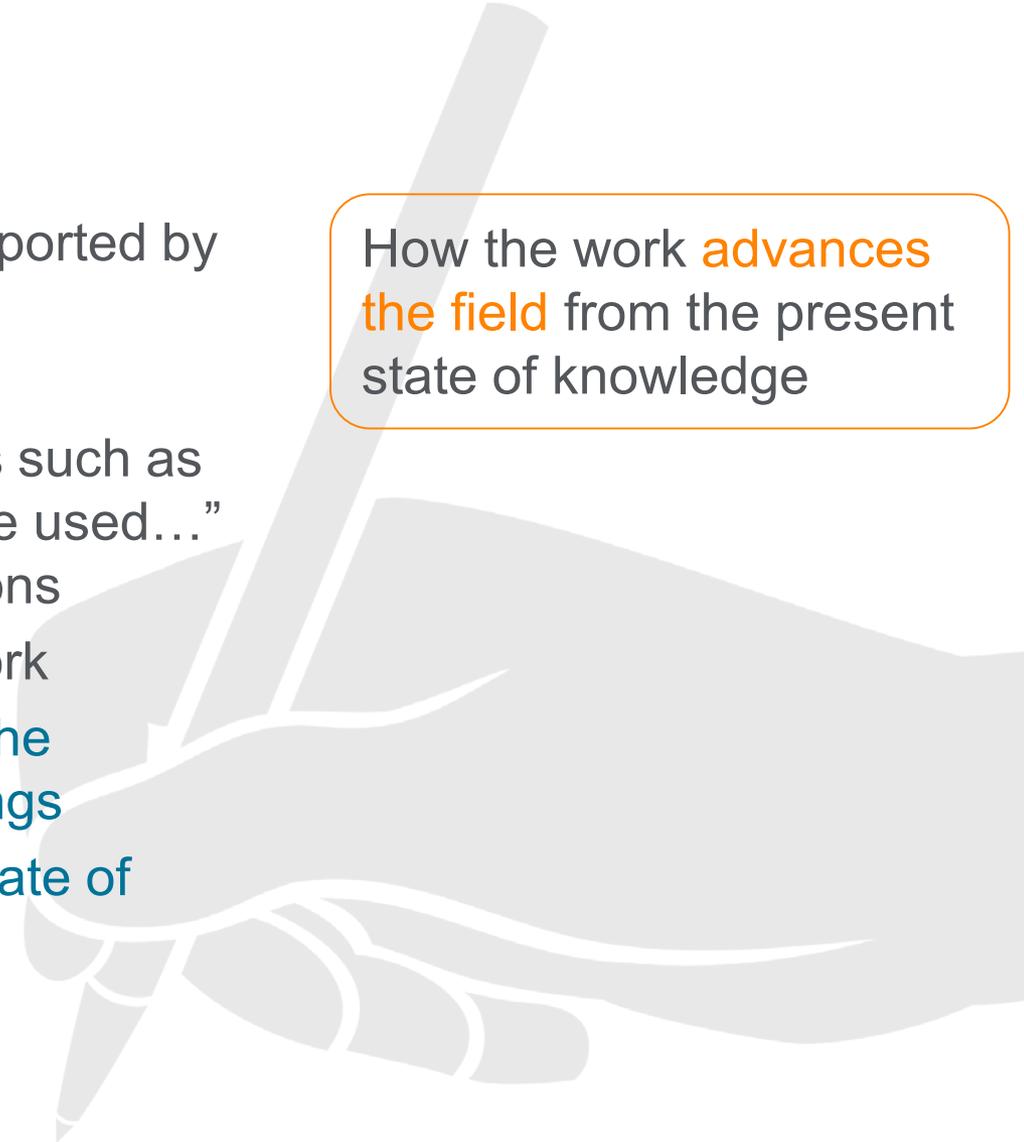
## Discussion

- Critical interpretation of results
- Make the discussion correspond to the results
- Do not make statements unsupported by your data.
- Compare your results to published results

- How does your data relate to the “big picture” or applications?
- Can you identify a mechanism or form new hypotheses?

## Conclusions

- Not the same as a summary!
- Give conclusions that are supported by your results
- Try to end in a positive tone
- Do not overreach. Statements such as “this method can potentially be used...” do not belong to the conclusions
- Provide justification for the work
  - Relationship between the objective and key findings
  - Advance the present state of knowledge
- Suggest future experiments



How the work **advances the field** from the present state of knowledge

# Acknowledgments

- Advisors
- Financial supporters and funders
- Proof readers and typists
- Suppliers/ labs who may have donated materials, cell lines, etc.

# References



- Do not use too many references
- Always ensure you have fully absorbed the material you are referencing
- Avoid excessive self citations
- Avoid excessive citations of publications from the same region or institute
- Conform strictly to the style given in the Guide for Authors

# Authorship: Do's and don'ts



## General principles for who is listed first:

### First Author:

- Conducts and/or supervises the data analysis and the proper presentation and interpretation of the results
- Puts paper together and submits the paper to journal

### Co-Author(s):

- Makes intellectual contributions to the data analysis and contributes to data interpretation
- Reviews each paper draft
- Must be able to present the results, defend the implications and discuss study limitations



## Abuses to be avoided:

### Ghost Authors:

- Leaving out authors who should be included

### Scientific Writers and Gift Authors:

- Including authors when they did not contribute significantly

## Authorship - simplified

The International Committee of Medical Journal Editors (Vancouver Group) declared that an author must:

1. **substantially contribute** to conception and design, or acquisition of data, or analysis and interpretation of data;
2. **draft** the article or **revise** it critically for important intellectual content; and
3. **give their approval** of the final version to be published.
4. **ALL 3 conditions** must be fulfilled to be an author!

## Now that you *think* you have finished...

- Read the paper again and circulate to all co-authors. Be critical yourself and accept criticism from others.
- Try to be in the position of a reader/reviewer.
- Forget what you know, read only what is written. Yes, it is difficult. Just keep trying.
- If possible, have someone else you trust to comment on the paper.
  - If you need to explain something verbally, then you probably need to rewrite that part.



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# Peer-Review

Peer-review process

Ethics



## Cover Letter

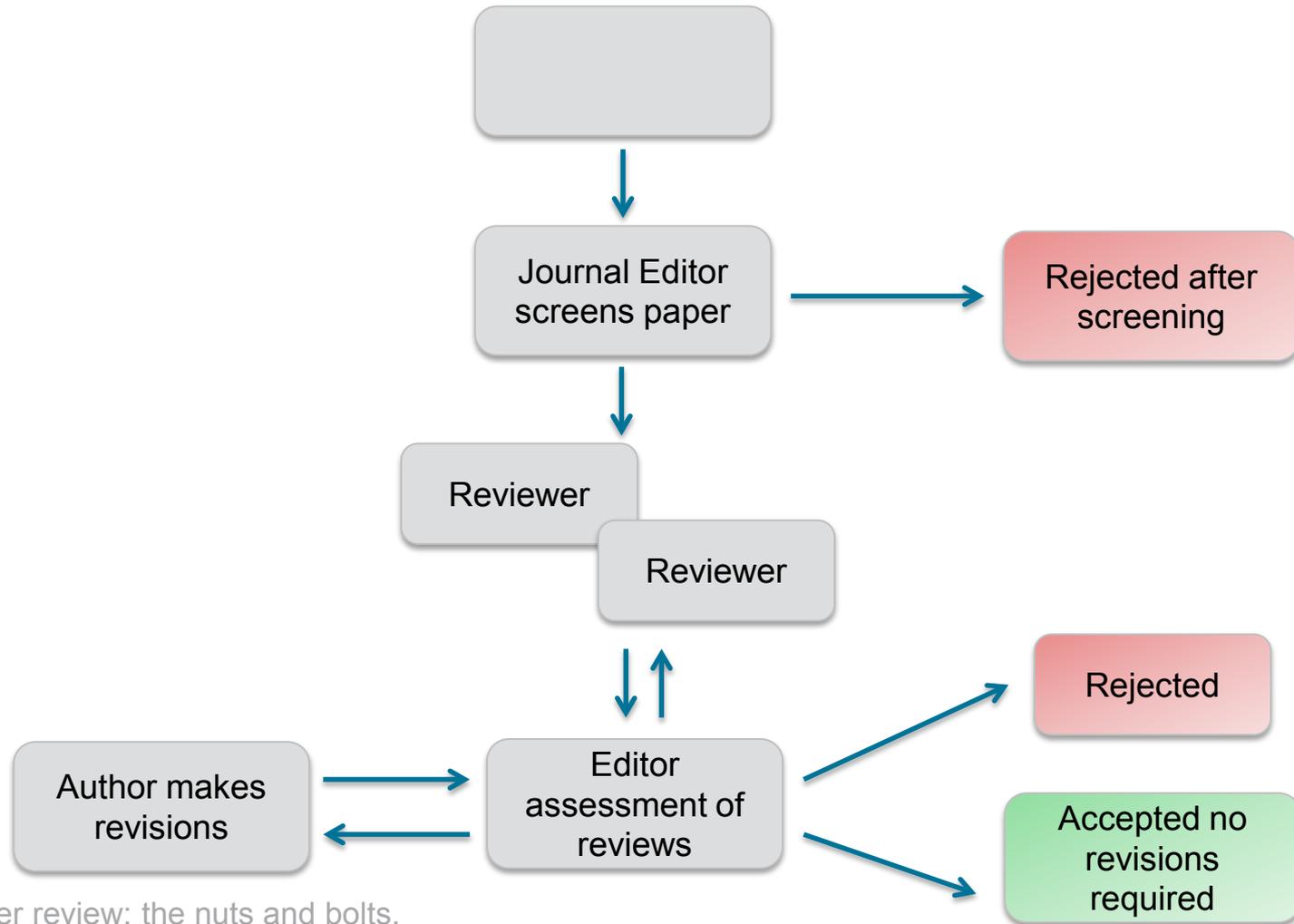
- Your chance to speak directly to the editors
- Explain the main findings and **motivation**
- Highlight **novelty** and significance of results
- State final **approval** of all co-authors
- State **prior reviews**, revisions, etc.
- Note any special **requirements**
  - Referees: experts, not collaborators
- State any **conflicts of interest**

## Purpose of Peer Review



- Assesses the **originality** and **significance** of the work
- Improves **quality** of the submitted manuscript
  - Design, Statistics, etc.
  - Layout, presentation, etc.
- Ensures previous work is **acknowledged** both in text and reference list
- Highlights any **ethics** concerns
  - Animal, human, clinical models
  - Plagiarism, fraud, duplicate submissions

# Typical Peer Review Process



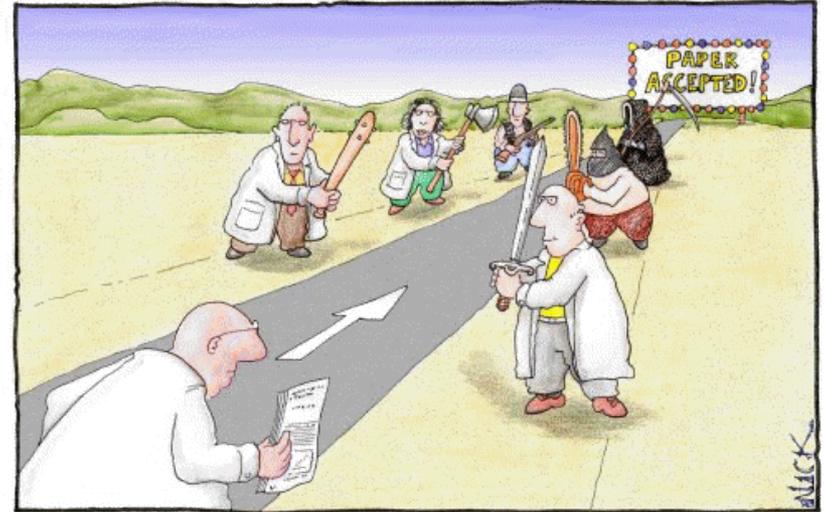
Source: Peer review: the nuts and bolts, Sense About Science, 2012

## Recommended Decisions

- Rejection
  - Lacks novelty/scope or has fundamental errors in design/theory
  
- Minor Revision (30 days to revise)
  - Simple language or formatting corrections
  - Additional data analysis, statistics, references are required
  - Improvements to *interpretation* of results or discussion are needed
  
- Major Revision (> 30 days to revise)
  - Any of the above, plus need for additional (time-intensive) experiments or calculations/simulations

## Perspective

Authors sometimes experience peer review as distress they need to get through to publish their work.



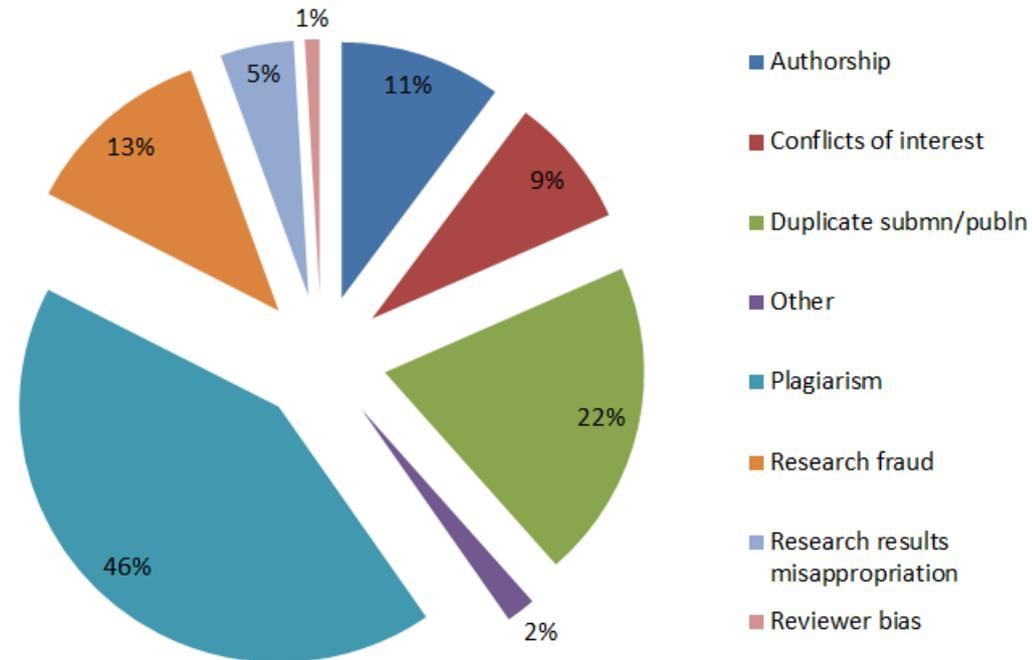
However, the best reviewers tend to view themselves as teachers rather than critics.

The goal is to improve the work published –  
for the sake of the authors, readers and science overall.

## A note on ethical misconduct

**3 most common forms of ethical misconduct challenging the research community:**

- 1. Fabrication**  
Making up research data
- 2. Falsification**  
Manipulation of existing research data
- 3. Plagiarism**  
Previous work taken and passed off as one's own



*Sample of cases reported to Elsevier publishing staff in 2012*

# Plagiarism Detection

My Documents				
	Documents	Sharing	Settings	Resubmit
Title	Report	Author	Processed	
Pasted Document 1 part - 288 words	0%		03/27/08	
testpaper.doc 1 part - 1,956 words	95%		03/26/08	
test2.doc 1 part - 252 words	99%		03/26/08	

programming is to compare the content of programs paid for and chosen by the viewer with those on channels that get their income mainly from advertisements.

The media is how people learn about world affairs and recent news. In a certain respect we can say that media provides a lens in which the viewers can view the world.

A recurring issue for the left historically has been how to address the capitalist media. In recent years the problem has grown ever more severe, and no small amount of attention has been given to examining the problems of the commercial media and how closely they reinforce and accentuate problems within the broader social order. The logic of this criticism has become clear: progressives need to work on challenging the corporate domination of media as part of the broader struggle for social justice. If changing media is left until "after the revolution," there will be no revolution, not to mention fewer chances for social reform. But politicizing control over media has proven to be extraordinarily difficult for activists. That is why the massive and largely unanticipated 2003 campaign in the United States to stop further media concentration, which almost overnight reached a scale not seen in media reform struggles since the 1930s, is so important and instructive. This article

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A recurring issue for the left historically has been how to address the capitalist media. In recent years the problem has grown ever more severe, and no small amount of attention has been given to examining the problems of the commercial media and how closely they reinforce and accentuate problems within the broader social order. The logic of this criticism has become clear: progressives need to work on challenging the corporate domination of media as part of the broader struggle for social justice. If changing media is left until "after the revolution," there will be no revolution, not to mention fewer chances for social reform. But politicizing control over media has proven to be extraordinarily difficult for activists. That is why the massive and largely unanticipated 2003 campaign in the United States to stop further media concentration, which almost overnight reached a scale not seen in media reform struggles since the 1930s, is so important and instructive. This article chronicles that revolt.

March 2004 REVIEW OF THE MONTH The Commercial Tidal Wave ROBERT W. MCGHESNEY and JOHN BELLAMY FOSTER For a long time now it has been widely understood within economics that under the capitalism of giant firms, corporations no longer compete primarily through price competition

## Consequences

- Potential consequences can vary according to the severity of the misconduct and the standards set by the journal editors, institutions and funding bodies.
- Possible actions include:
  - Written letters of concern and reprimand
  - Article retractions
  - Some form of disciplinary action on the part of the researcher's institute or funding body

## Journal article production

- **Preprint**  
Author submits manuscript
- **Manuscript accepted**
- **Document proof**  
Copy editing, Author proofing, preparation for publishing
- **Published journal article**  
Logo, pagination, branding
- **Electronic Warehouse**  
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Monitoring your article

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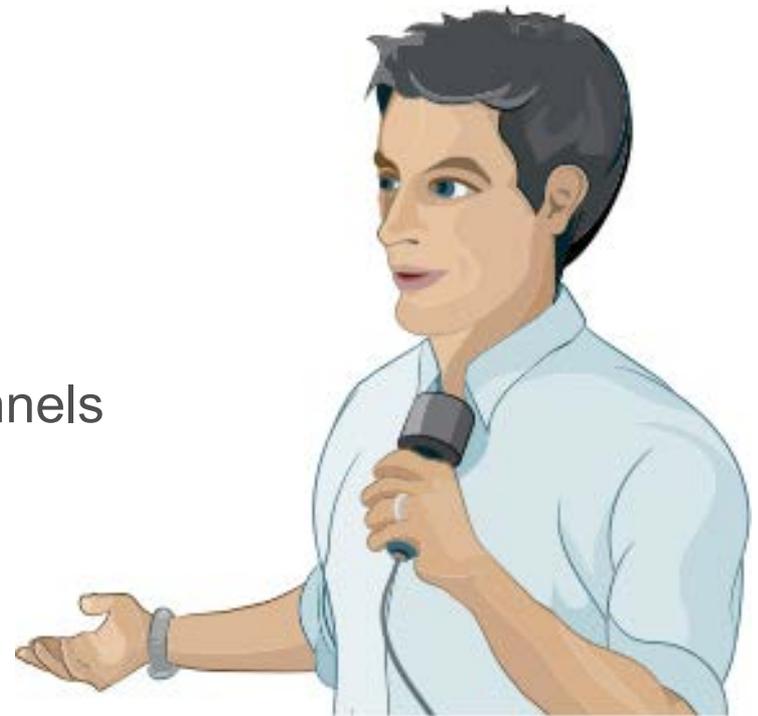
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- Also connect online
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- Research statement
- Your institution's communication's channels

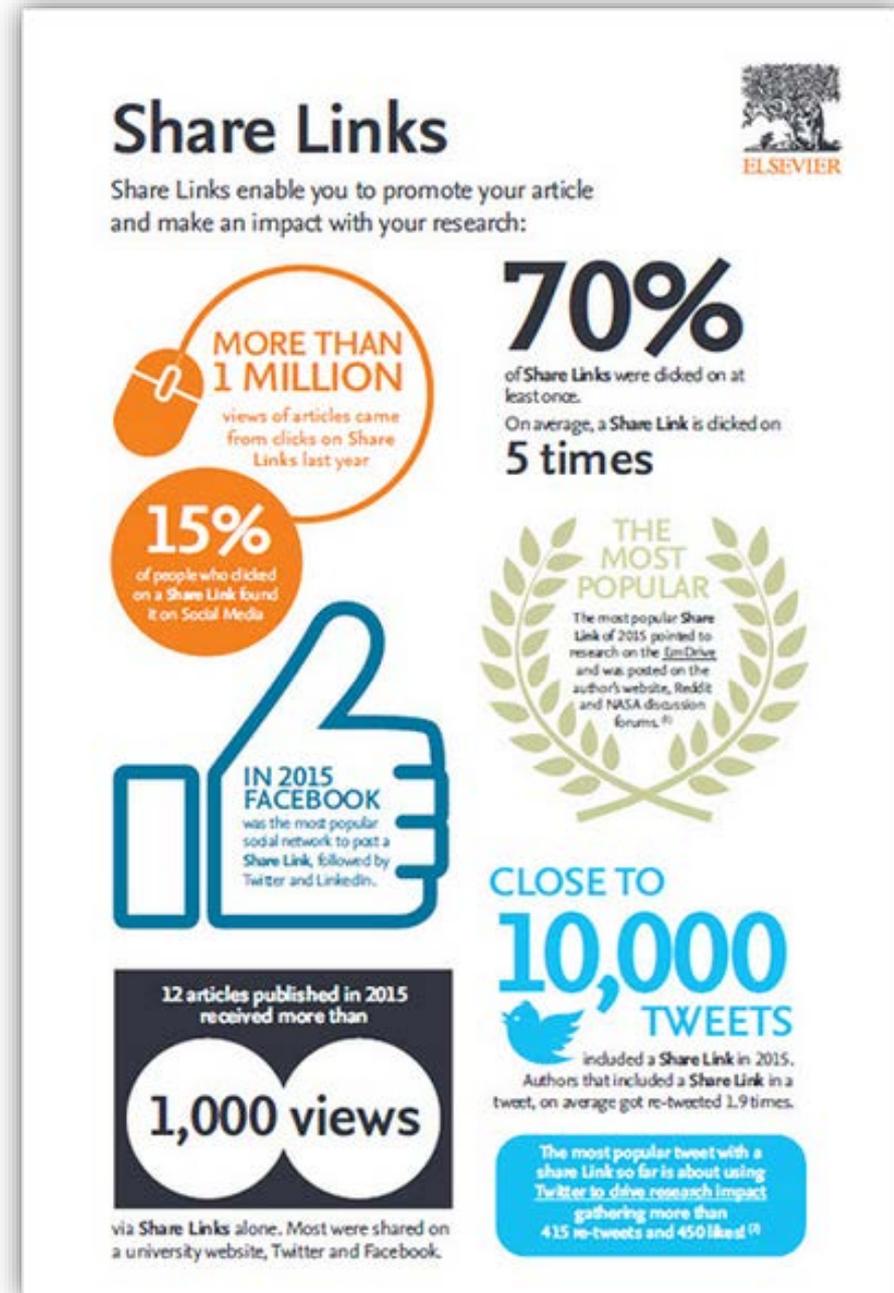


## Promoting your article

### 3. Share links to your article

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- Link from university website to boost SEO

<https://www.elsevier.com/authors-update/story/social-media/4-tips-on-promoting-your-article-with-share-links>



# Promoting your article

## 4. Online CV



# Promoting your article

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Tip: Add a link to your email signature to link to your page

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- Use images

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Search English

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Registration takes 30 seconds.
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- 3 USE YOUR ORCID ID** Include your ORCID identifier on your Webpage, when you submit publications, apply for grants, and in any research workflow to ensure you get credit for your work.

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Another year for ORCID, another Public Data File for the Community.

**Mon 10/31/2016**  
Organization identifier project: A way forward

**Mon 10/24/2016**  
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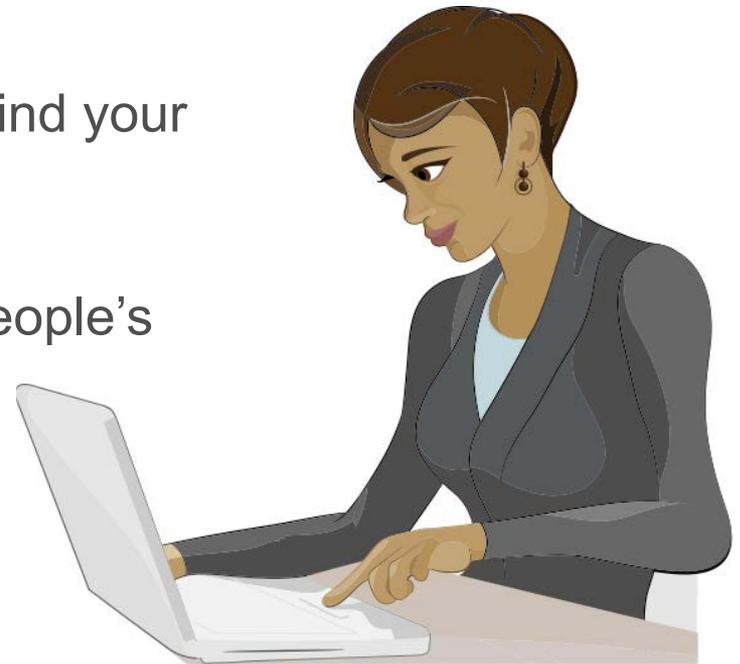
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### Publications (5)

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*European Journal of Physics*

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**An Overview on Single Apparatus Q**  
Mehmani B, Nieuwenhuizen T  
*Journal of Computational and Theoretical Nanoscience*

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*Physical Review A - Atomic, Molecular, and Optics*

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**Activities in Iran for standardization**  
Rezaeifar A, Mesgari M, Mehmani B  
*2005 Proceedings of the 4th ASME Conference on Synthesis, and Applications (2005) 87-88*

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Sharif University

Andrei Yu U. Khrennikov (1)  
Linnaeus University, Vaxjo

Gerardo Aquino (1)  
Centre for Integrative Systems Bi...

Ayat Rezaeifar (1)  
BTF Foundation

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### Editorships

- 2013 Physics Procedia  
Managing Editor
- 2012 - 2013 (a year) Journal of Mathematical Analysis and Application  
Managing Editor
- 2012 Journal of Differential Equations  
Managing Editor

### Peer review activity

- 2017 F1000Research (1)  
Number of reviews: 1

### Professional experience

- December 2012 - Present Reviewer Experience Lead  
Elsevier

### Education

- August 2011 - December 2012 (a year) Postdoc  
Max Planck Institute for the Physics of Light
- December 2005 - September 2010 (5 years) PhD  
Universiteit van Amsterdam Faculteit der Natuurwetenschappen  
Wiskunde en Informatica
- September 1999 - September 2001 (2 years) MSc  
Shahid Beheshti University



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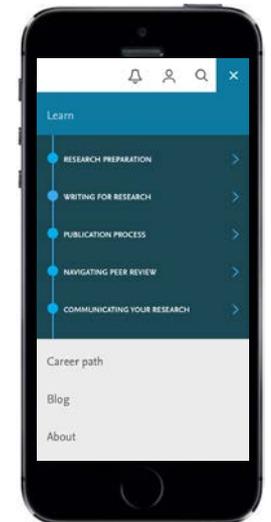
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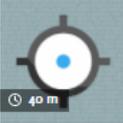
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 4

## Learn

Researcher Academy provides free access to countless e-learning resources designed to support researchers on every step of their research journey. Browse our extensive module catalogue to uncover a world of knowledge, and earn certificates and rewards as you progress.



FUNDAMENTALS OF MANUSCRIPT PREPARATION

[How to prepare your manuscript](#)

Research cycle
Content library

RESEARCH PREPARATION	WRITING FOR RESEARCH	PUBLICATION PROCESS	NAVIGATING PEER REVIEW	COMMUNICATING YOUR RESEARCH
<ul style="list-style-type: none"> <li>&gt; Funding</li> <li>&gt; Research data management</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Fundamentals of manuscript preparation</li> <li>&gt; Writing skills</li> <li>&gt; Technical writing skills</li> <li>&gt; Book writing</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Fundamentals of publishing</li> <li>&gt; Finding the right journal</li> <li>&gt; Ethics</li> <li>&gt; Open science</li> <li>&gt; Publishing in the Chemical Sciences</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Fundamentals of peer review</li> <li>&gt; Becoming a peer reviewer</li> <li>&gt; Going through peer review</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Social impact</li> <li>&gt; Ensuring visibility</li> </ul>

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## Certificate of Completion

This certifies that **James Pick** has successfully completed the module **Discover how many opportunities** on Friday 26 January 2017. Presented by Hans Z.

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## Certificate of Excellence

This certifies that **Simon Johnson** has successfully completed every module within **Funding** on Thursday 02 November, 2017.

*Suzanne BeDell*  
Suzanne BeDell  
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Science, Technology & Medical Journals

# Career path

Researcher Academy
Learn Career path Blog James Picken   <sup>2</sup>  

## Career path

A career in research can take many twists and turns. Whether you decide to stay in academia or move onto industry, Researcher Academy's career resources will help you plan accordingly. Browse the different career sections for sound practical advice to tackle your future.

Career planning

Job search

Career guidance



CAREER PLANNING

Make a career in research

NEW

## Career planning

Being an effective researcher requires method and order, and those strong organization skills can prove just as useful when it comes to mapping out your career.

### What you will find

- Guidance on strategic career planning
- What industry employers think of PhDs
- Help with choosing a field of study

[+ Read more](#)



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CAREER PLANNING

### Make a career in research

Planning your next career steps is important whatever your experience level. Our tips will get you started.





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CAREER PLANNING

### The right choice of study

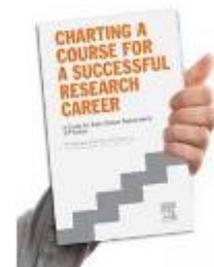
Discover why it's never too late to change disciplines and the many advantages to be gained.



## Further reading at

[researcheracademy.com](https://researcheracademy.com)  
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- Understanding the Publishing Process with Elsevier – complete guide
- Publishing Ethics brochure – top reasons to publish ethically
- Get Published – top tips on writing, reviewing and grant writing etc.
- Get Noticed – new ways to promote your article and research
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- Career Planning Guide – download in 12 languages



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# Thank you.

**Questions? Get in Touch.**

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