

# Are authors and journals on the same page?

J Peter Donnelly BSc PhD FRCPATH  
Editor in Chief

# JAC

Journal of Antimicrobial Chemotherapy  
The Journal of the British Society for Antimicrobial Chemotherapy

## Some metrics

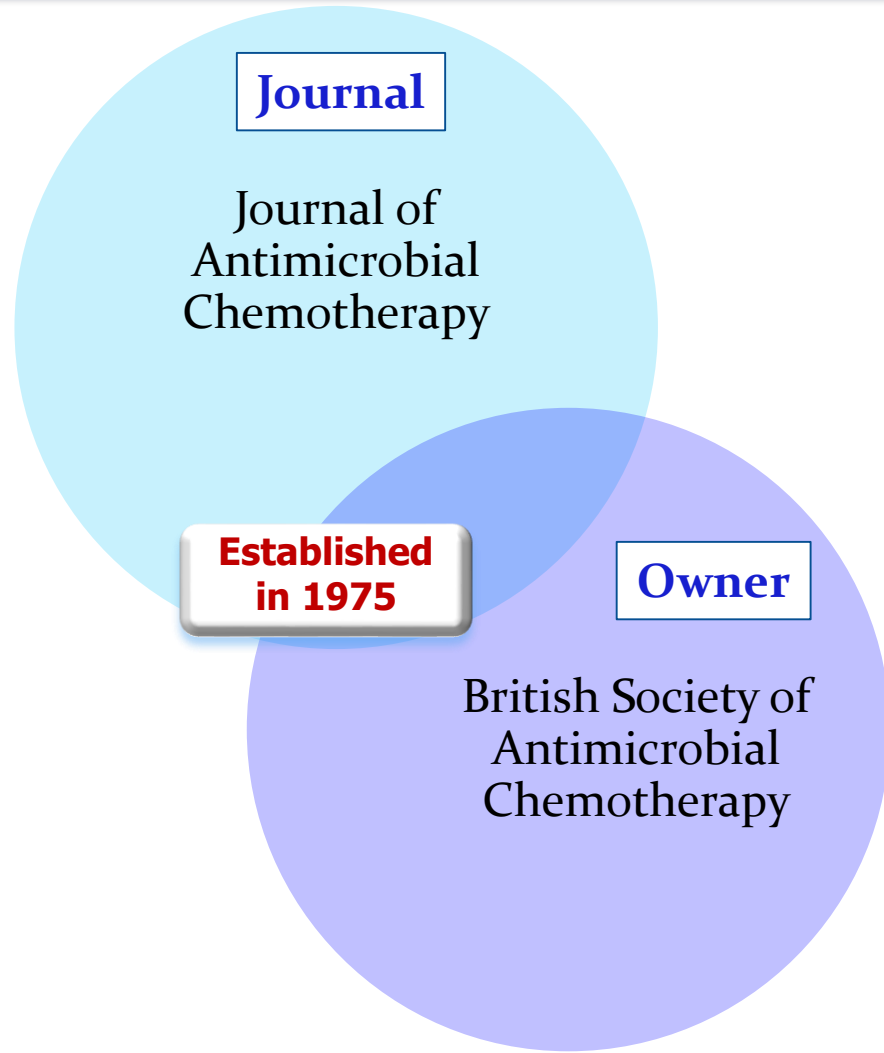
# A joint enterprise

**Journal**

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Antimicrobial  
Chemotherapy

**Established  
in 1975**

# A joint enterprise



**Journal**

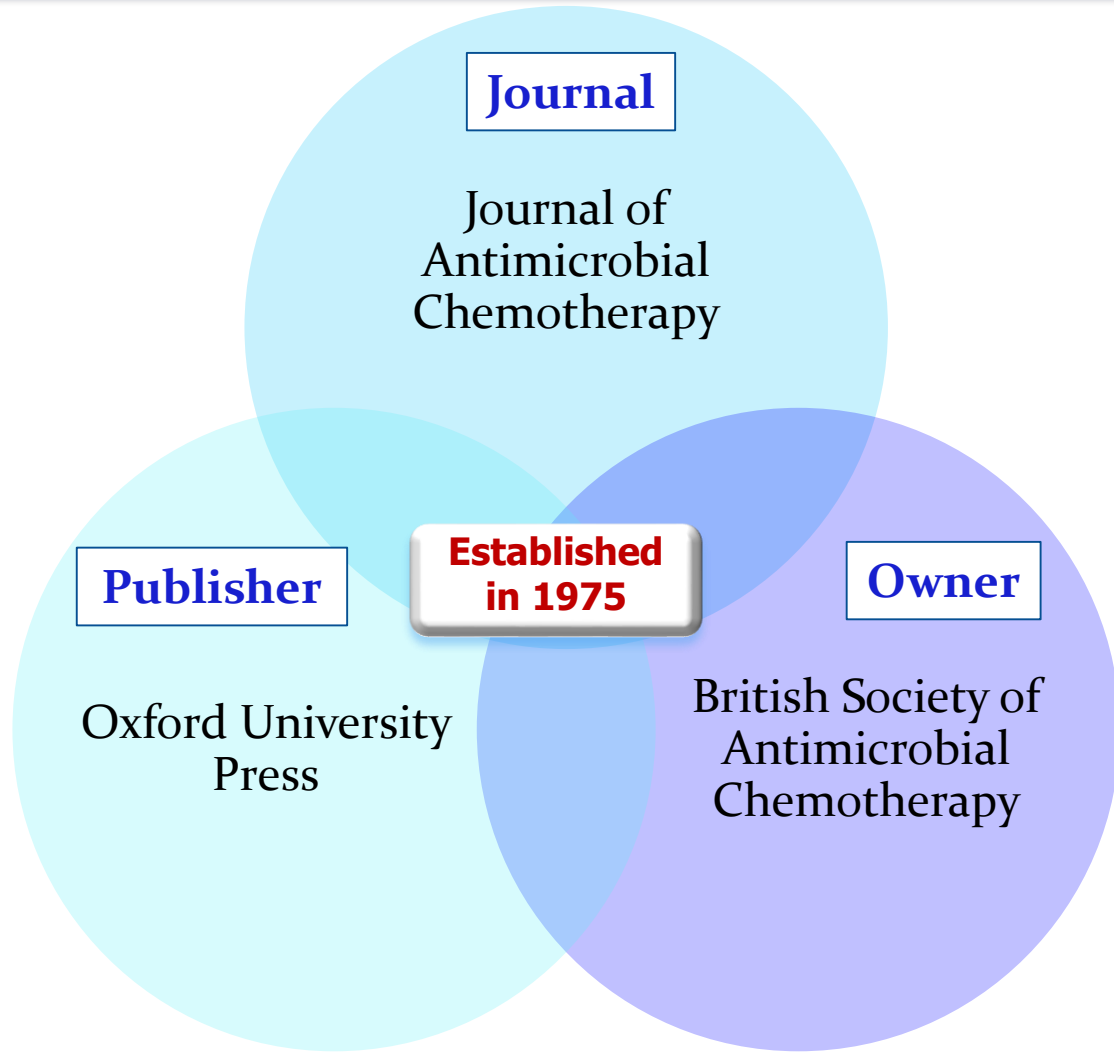
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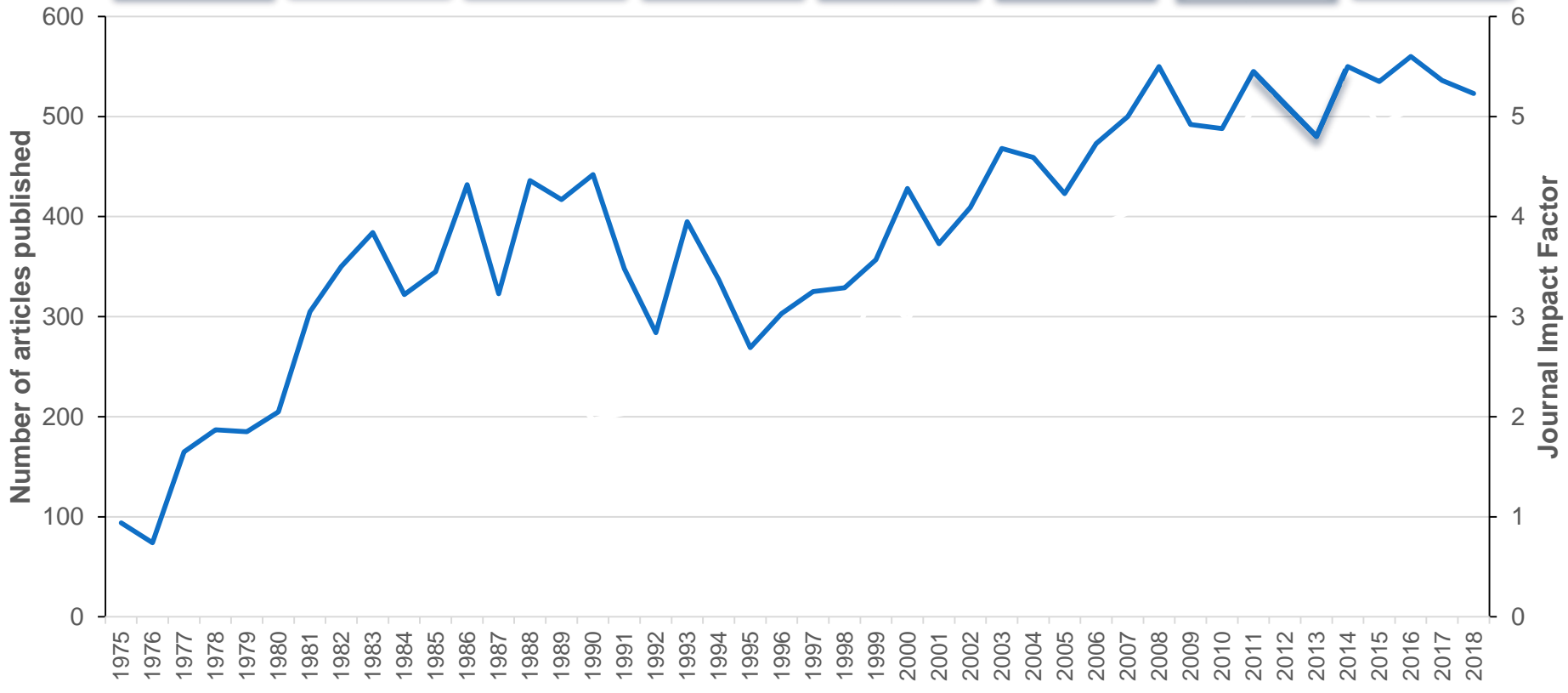
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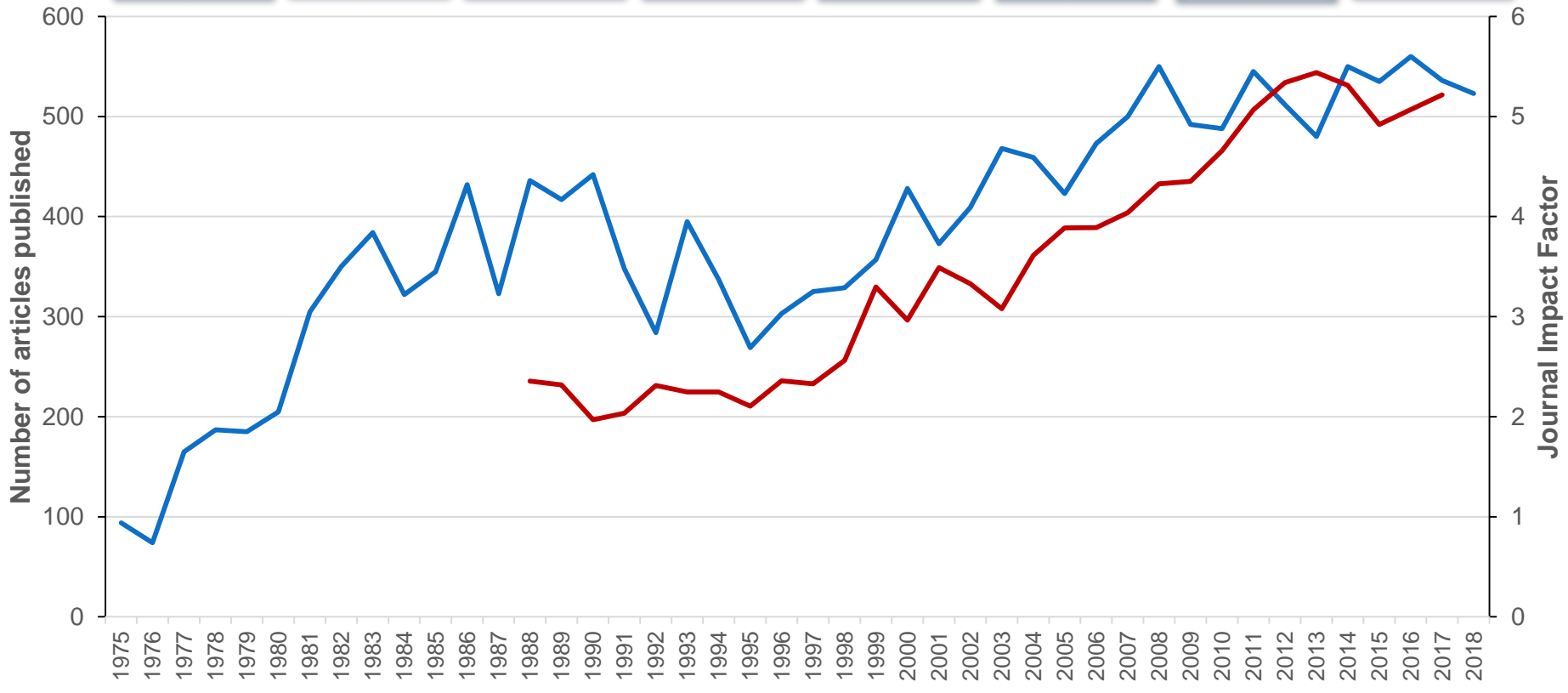
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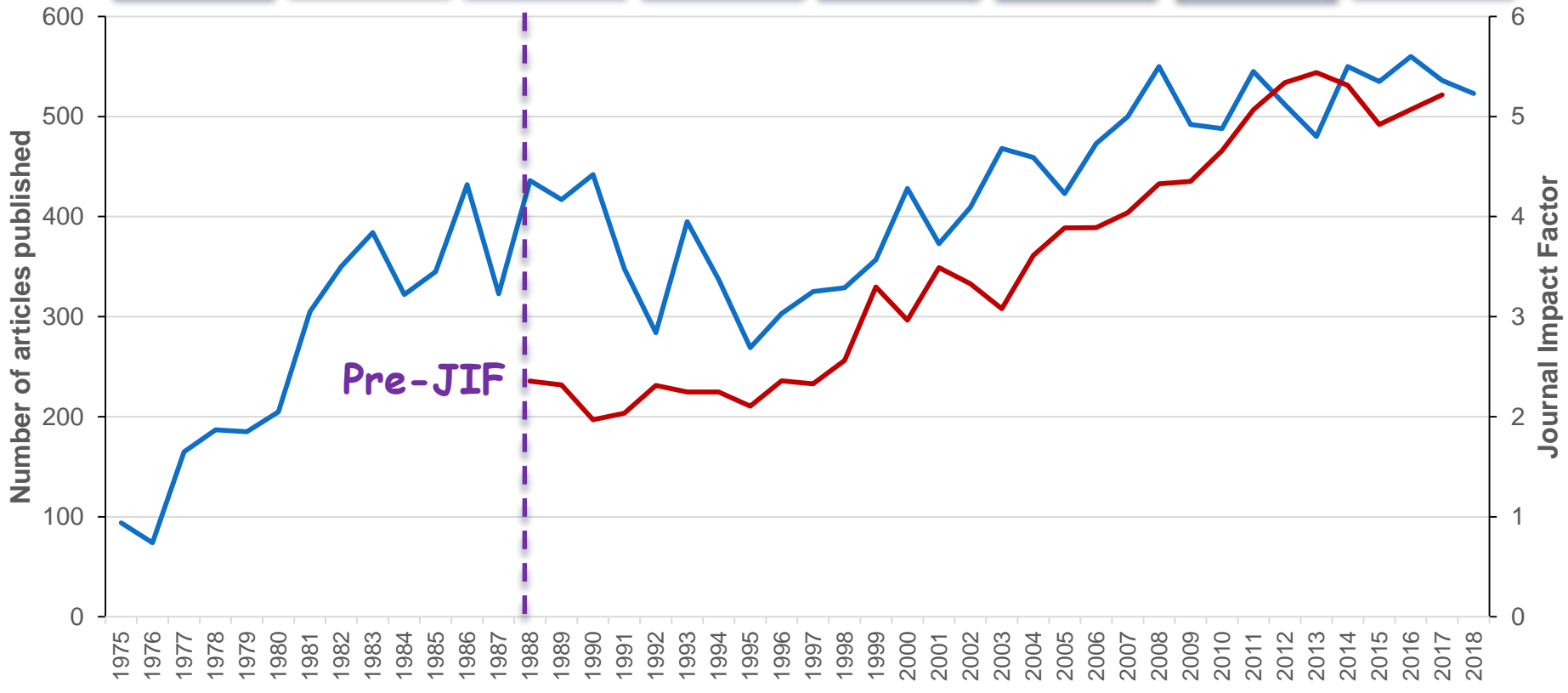
# EiCs through the years



# EiCs through the years

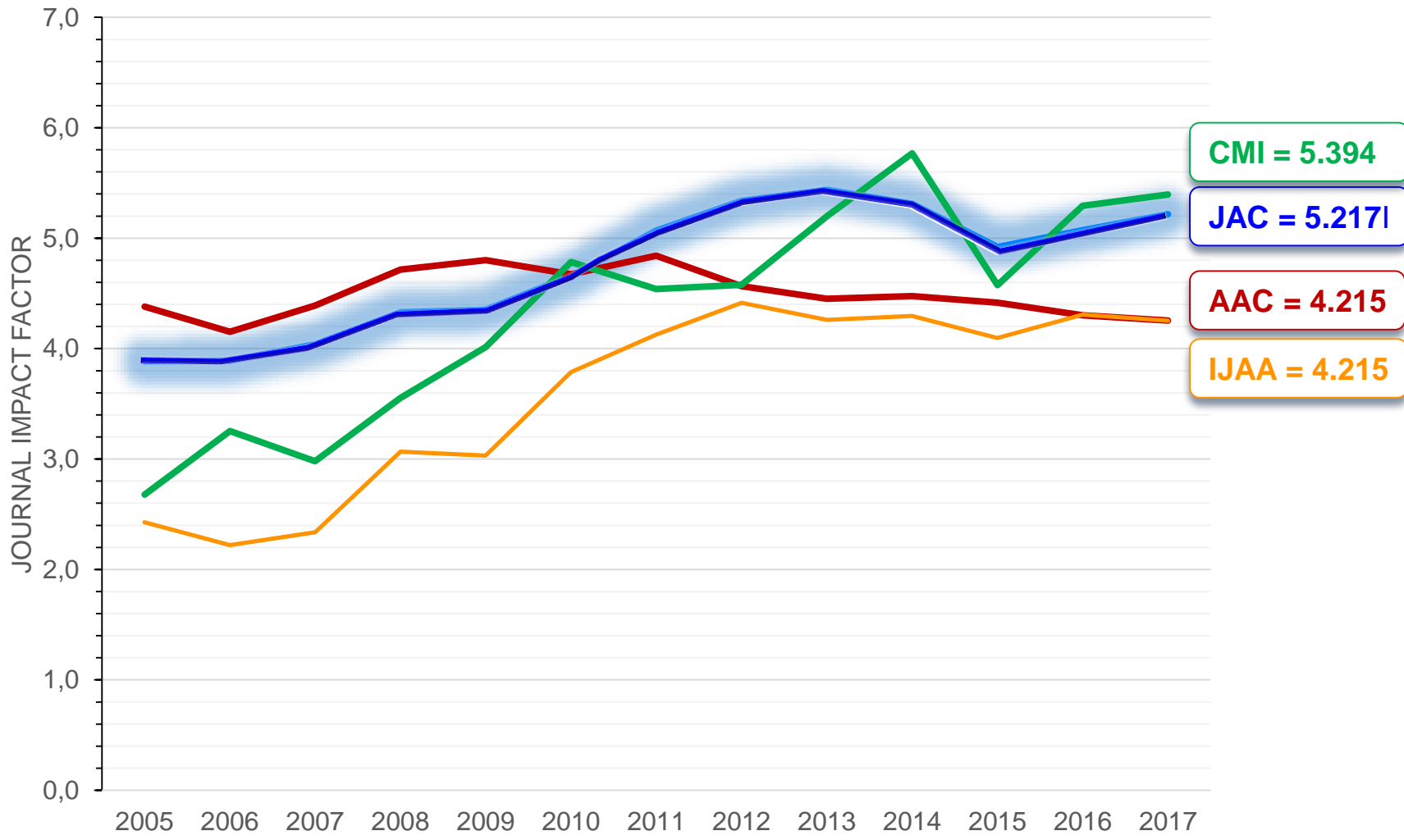


# EiCs through the years





# Journal impact factors

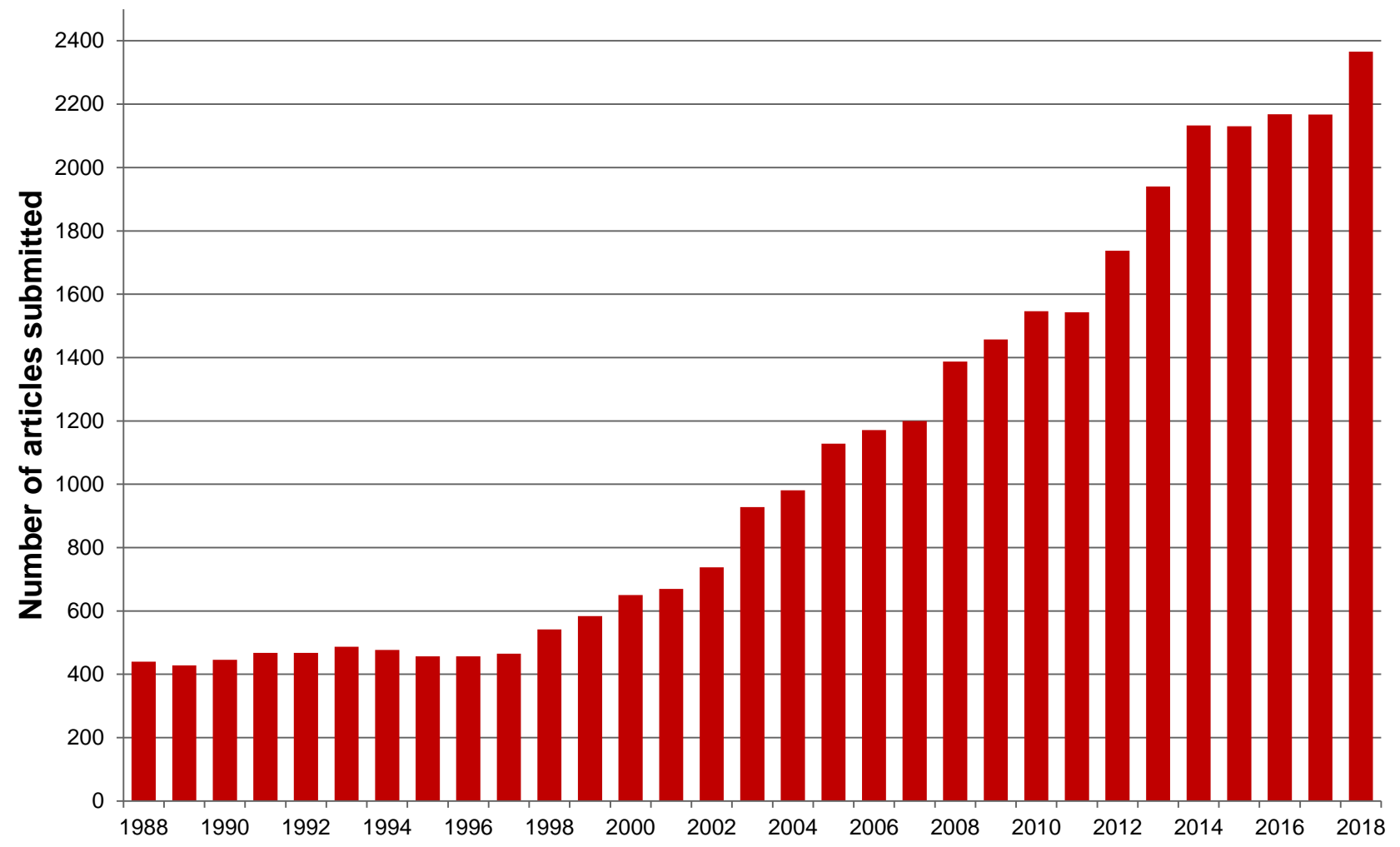


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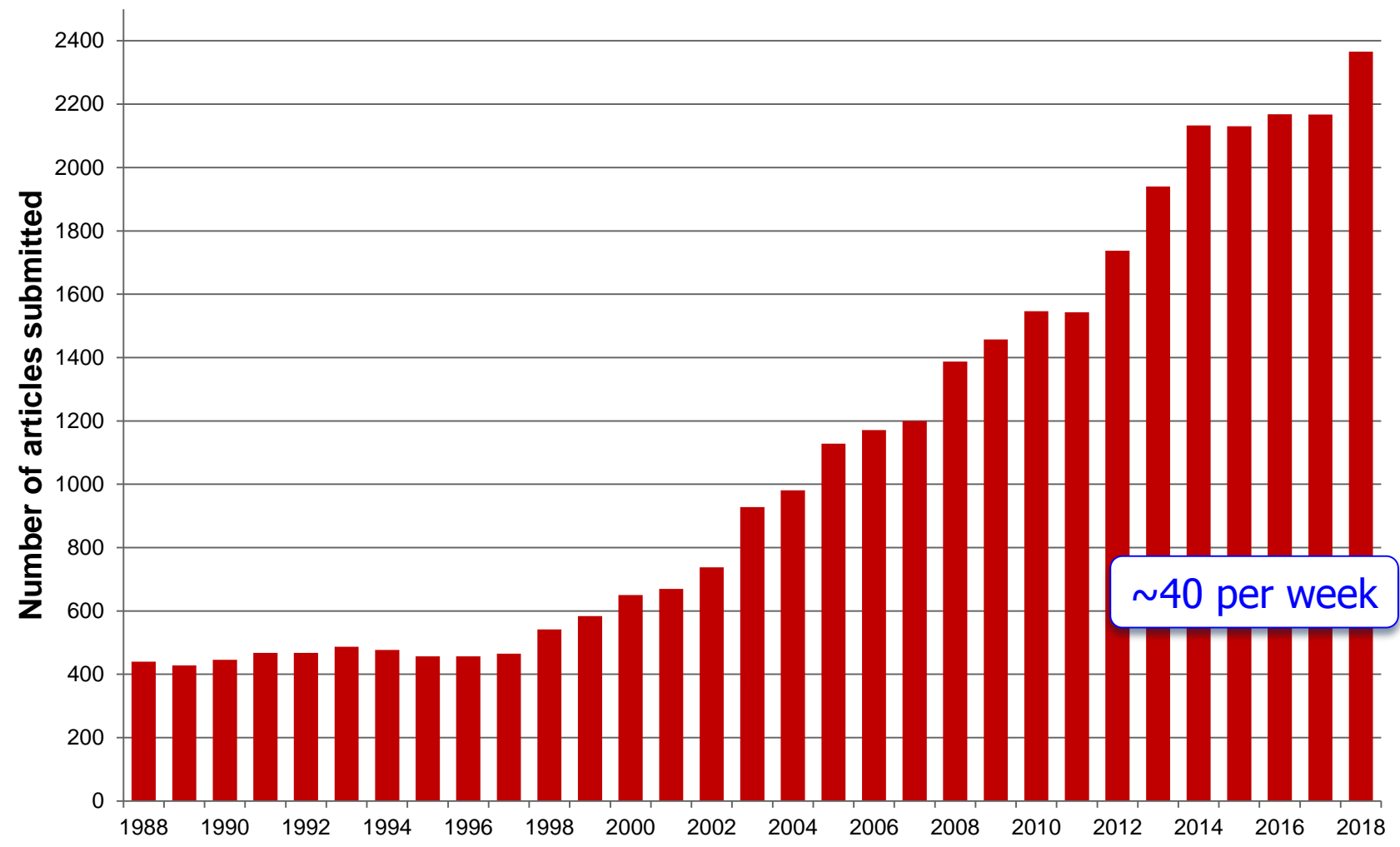
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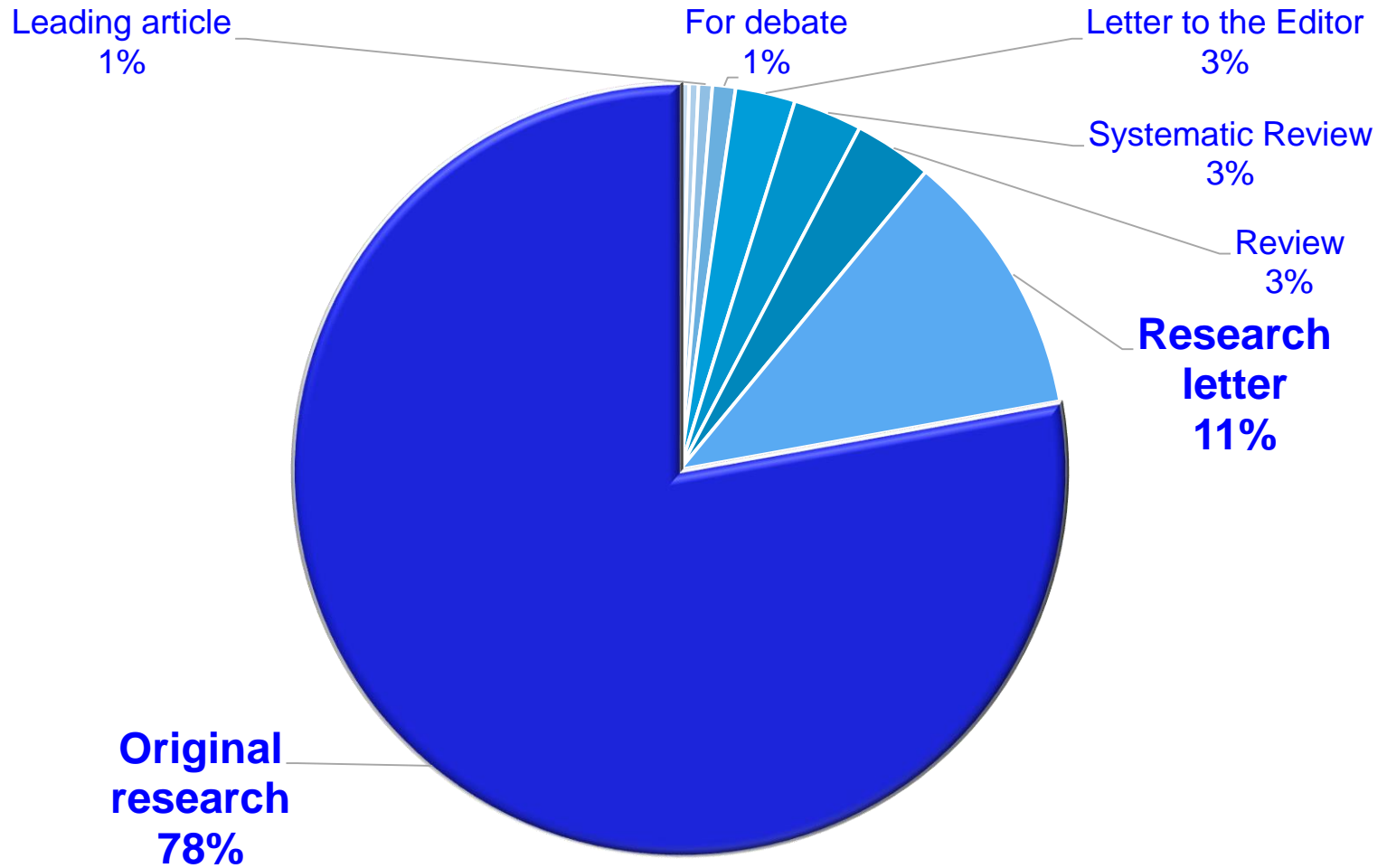
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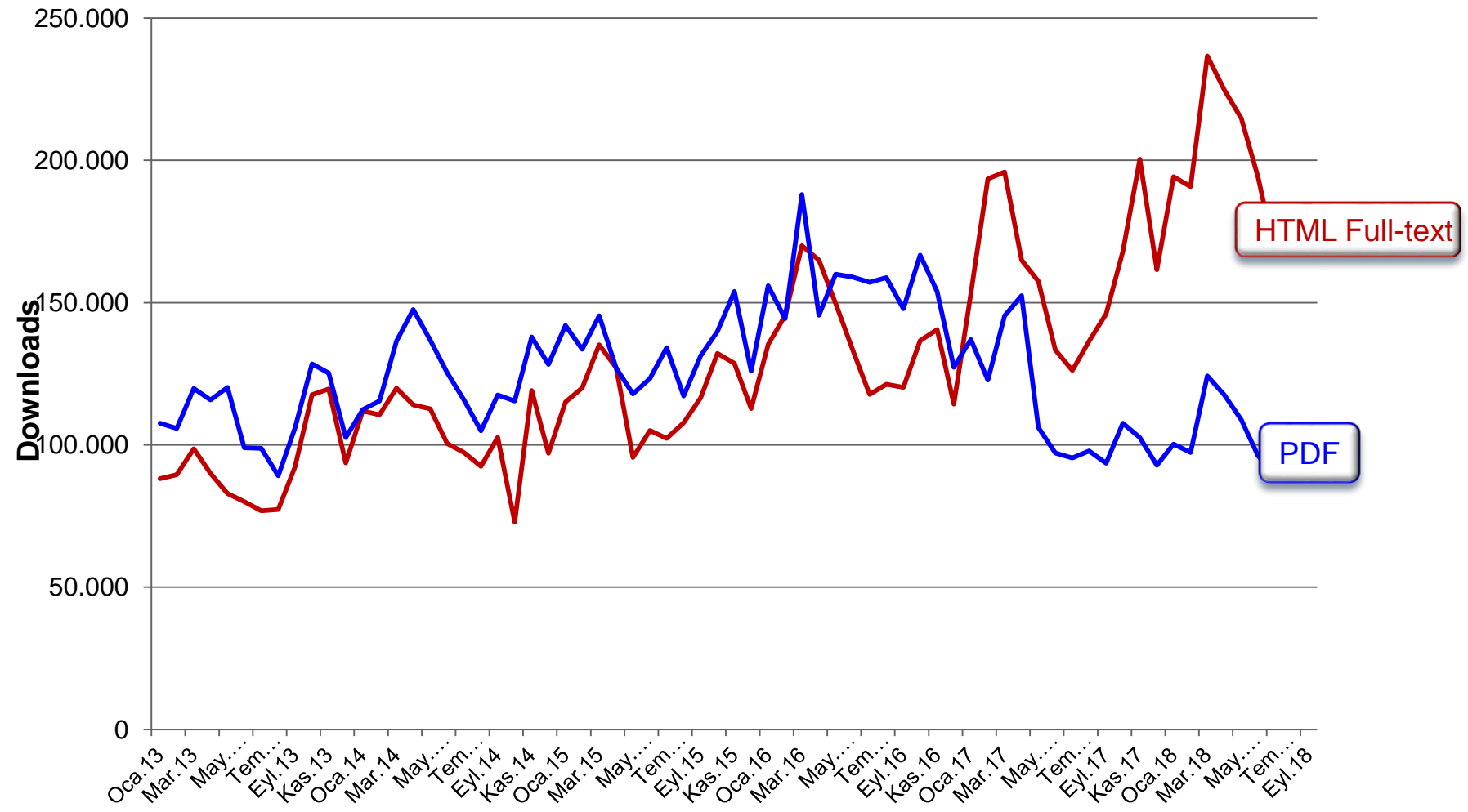
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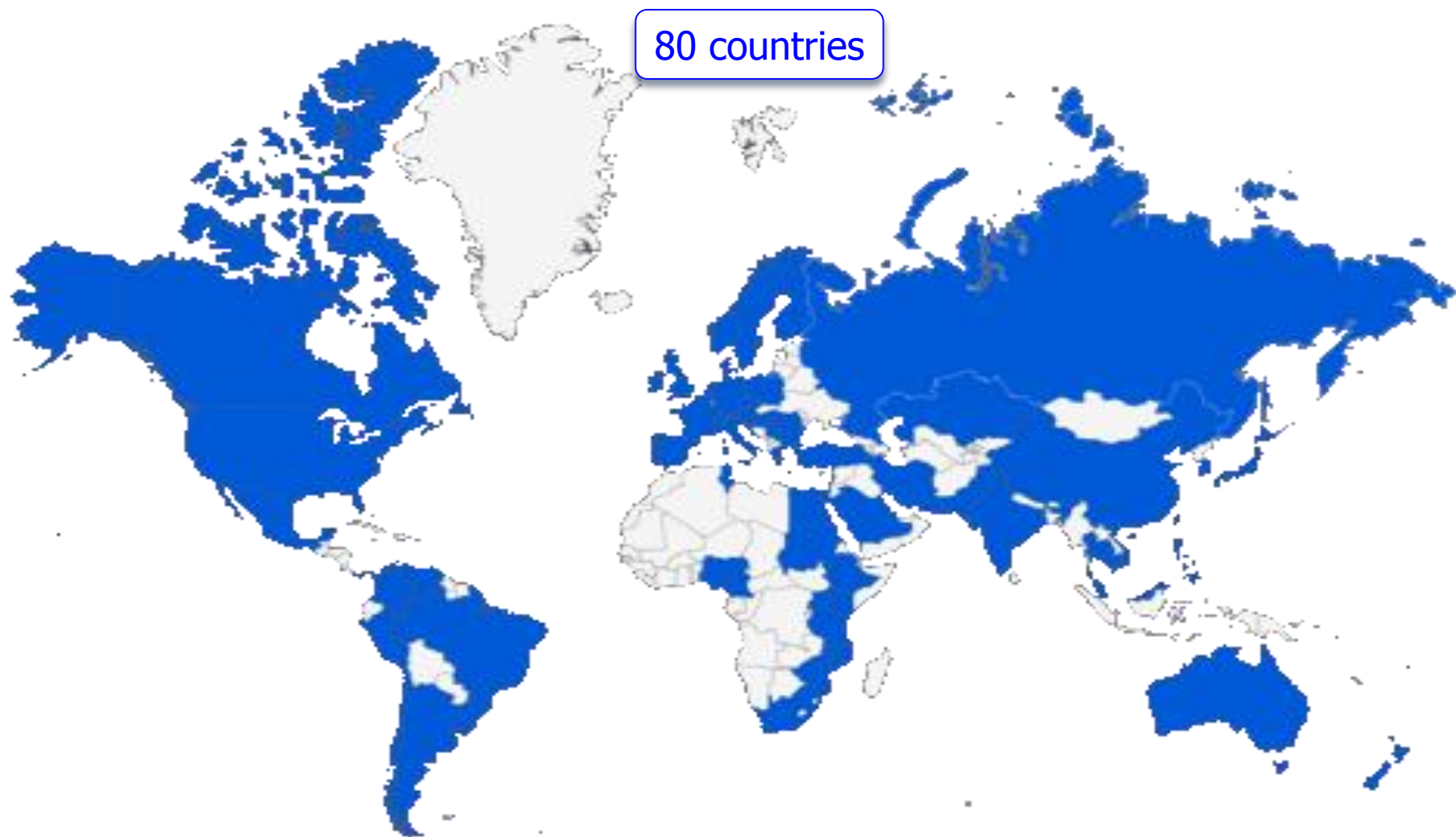
# Types of articles - 2018



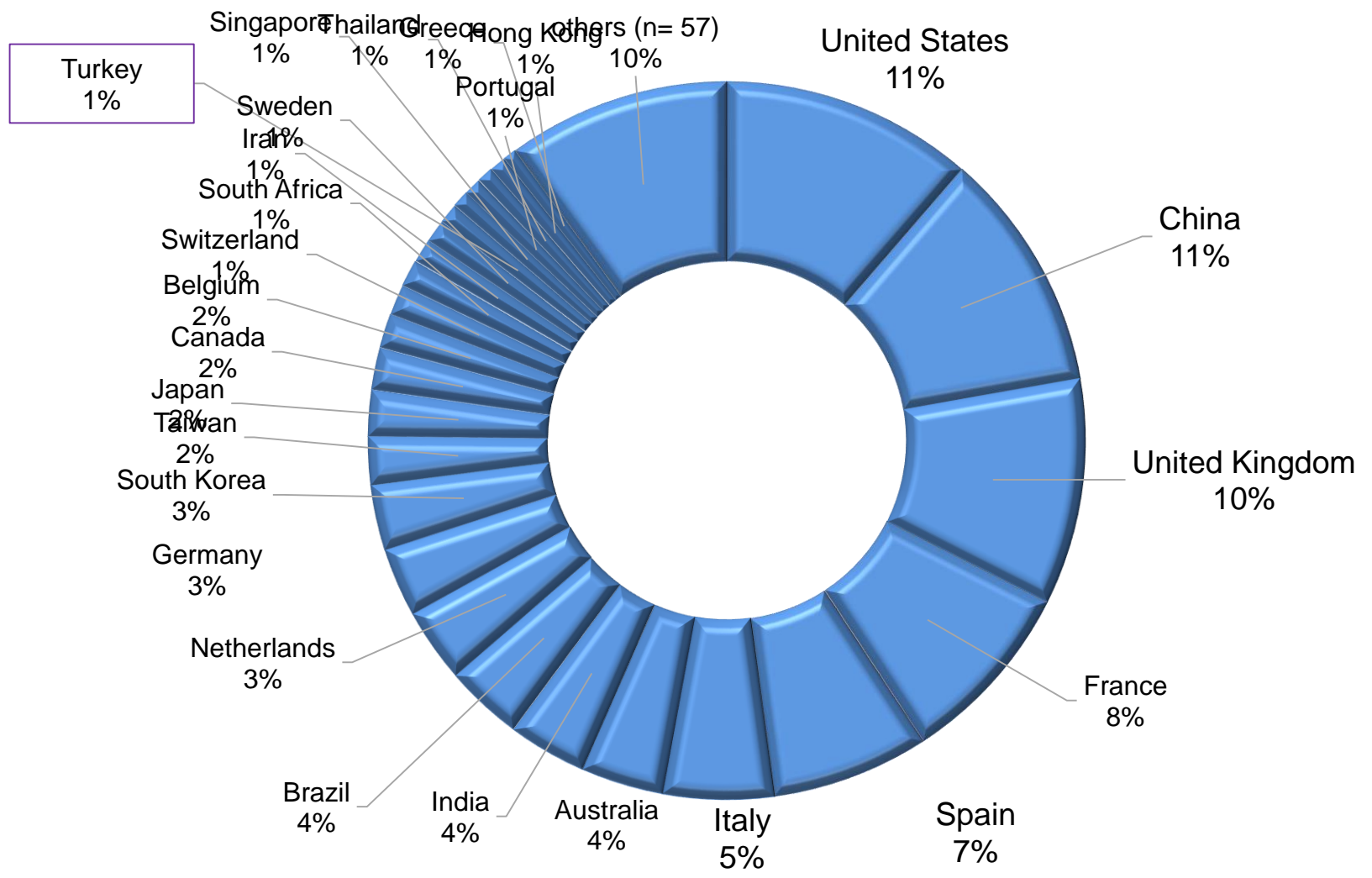
# Downloaded articles - 2018



# JAC is global

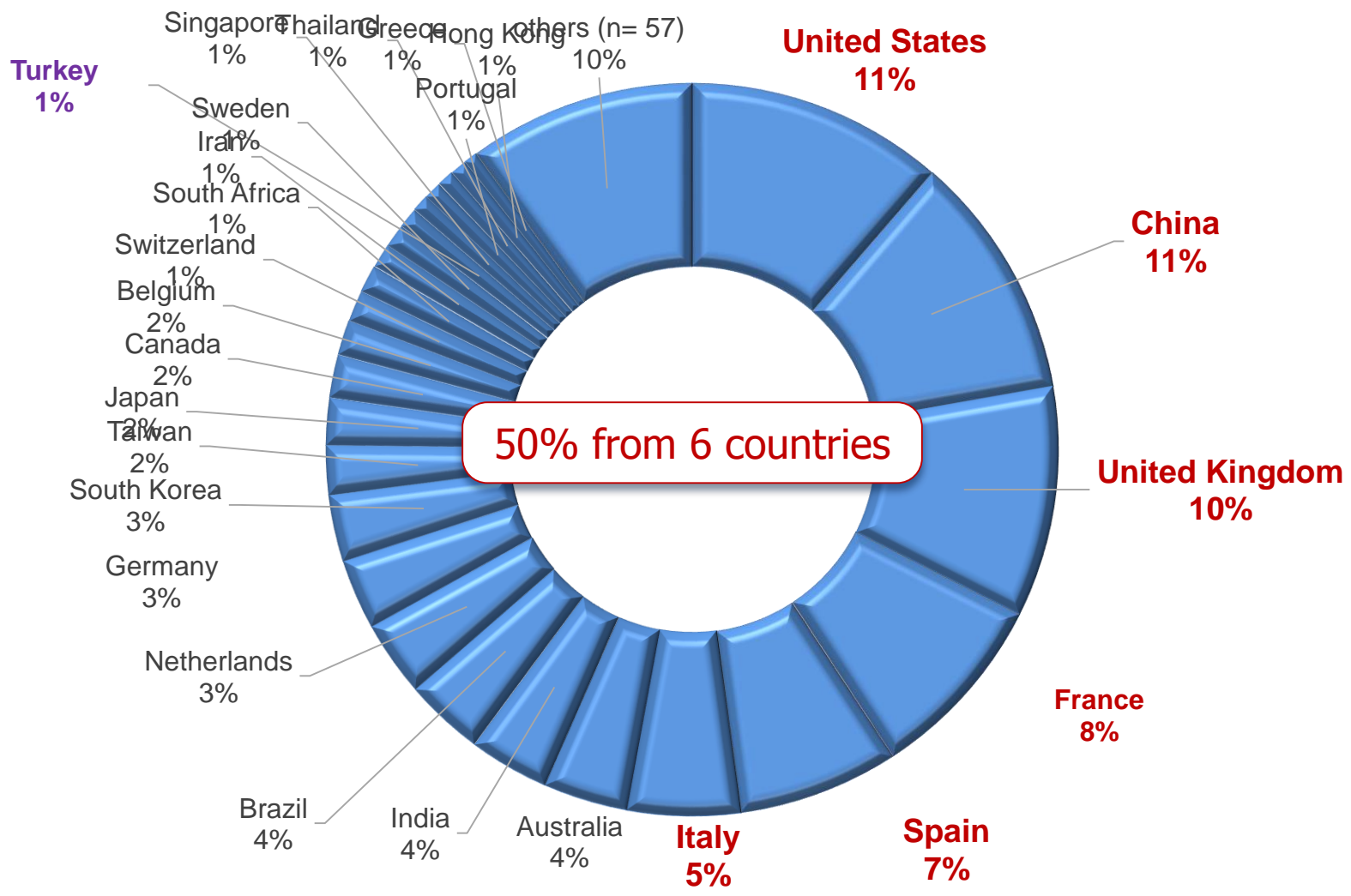


# Origin of articles submitted - 2018





# Origin of articles submitted - 2018



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## Authorship

# Criteria for authorship

The ICMJE recommends that authorship be based on EACH of the following 4 criteria:

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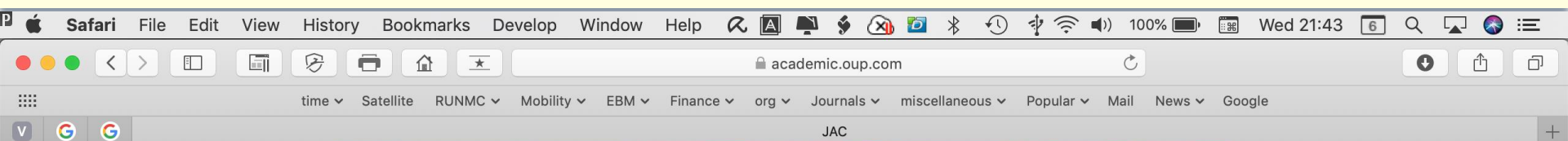
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## Instructions for authors





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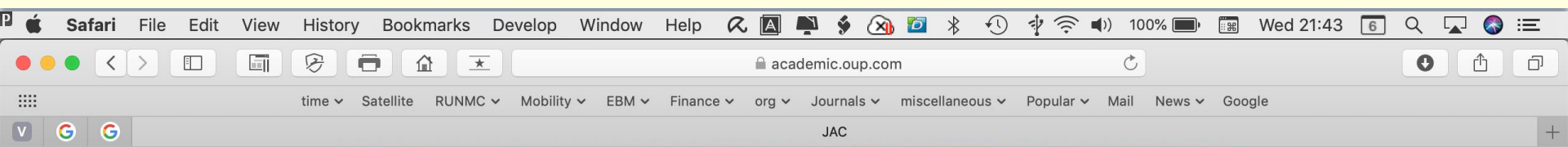
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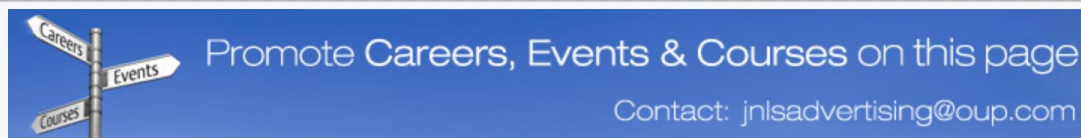
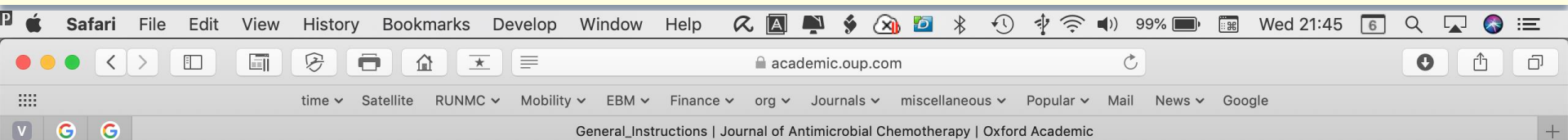
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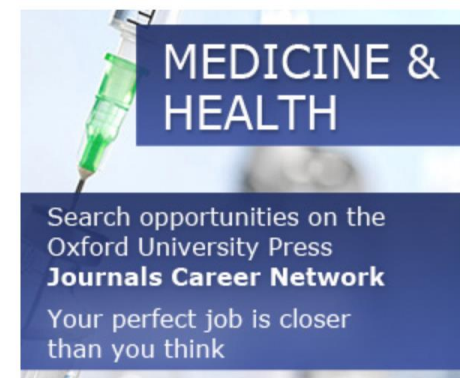
## Journal of Antimicrobial Chemotherapy



### Instructions for Authors

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- [EDITORIAL OFFICE CONTACT INFORMATION](#)
- [PROCESSING OF PAPERS](#)
- [Where to submit](#)
- [Article types and format](#)
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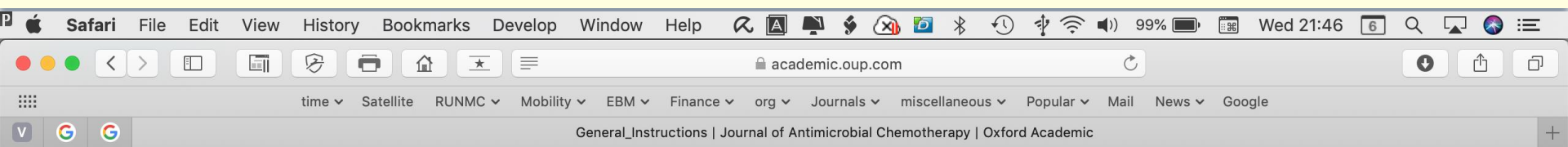
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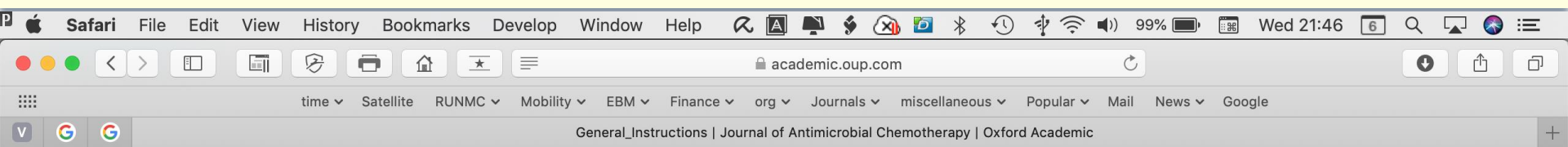


## BACKGROUND AND SCOPE OF THE JOURNAL

### Background

The *Journal of Antimicrobial Chemotherapy* was founded in 1975 by the British Society for Antimicrobial Chemotherapy (BSAC) as part of its mission to facilitate the acquisition and dissemination of knowledge in the field of antimicrobial chemotherapy. Proceeds from the Journal are used by the BSAC to further these objectives. Articles are published continuously online in JAC Advance Access and assembled into monthly printed and online issues. The Journal has an Impact Factor of 5.217 (2017).

# Author guidelines

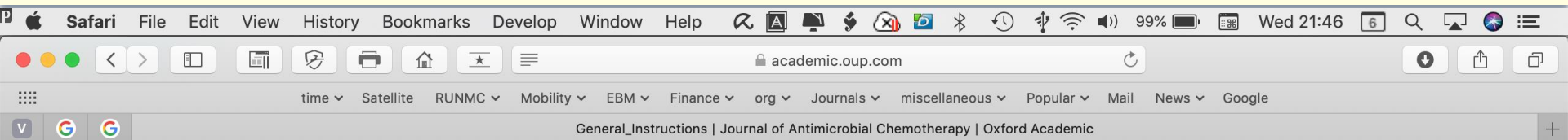


## BACKGROUND AND SCOPE OF THE JOURNAL

### Aims

The Journal publishes articles that further knowledge and advance the science and application of antimicrobial chemotherapy with antibiotics and antifungal, antiviral and antiprotozoal agents. The Journal publishes primarily in human medicine, and articles in veterinary medicine likely to have an impact on global health.

# Author guidelines



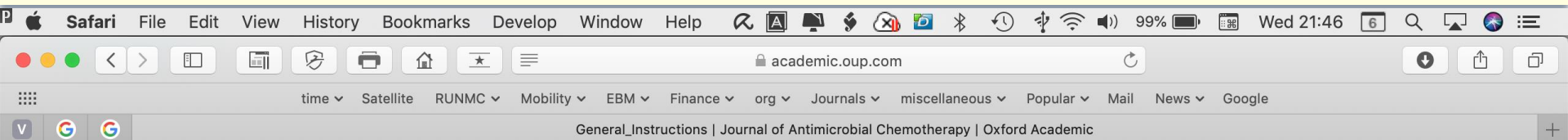
## BACKGROUND AND SCOPE OF THE JOURNAL

### Scope

#### The Journal particularly welcomes manuscripts on:

- the practice of evidence-based medicine relating to antimicrobials (clinical trials, systematic reviews and meta-analyses)
- antimicrobial treatment (pharmacokinetics, pharmacodynamics and prescribing practices)
- the action of antimicrobial agents and the mechanisms, genetics and epidemiology of antimicrobial resistance
- antimicrobial stewardship
- the genetic basis of antimicrobial resistance

# Author guidelines



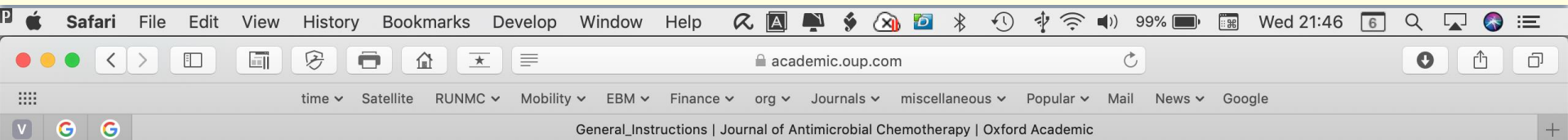
## BACKGROUND AND SCOPE OF THE JOURNAL

### Scope

**In addition, the Journal is very keen to publish articles that:**

- offer evidence-based synthesis of knowledge and data useful for clinical practice
- analyse, reflect and comment on the current state of the art and practice
- consolidate our knowledge of antimicrobial agents and their use
- consider the future of antimicrobial chemotherapy

# Author guidelines



## BACKGROUND AND SCOPE OF THE JOURNAL

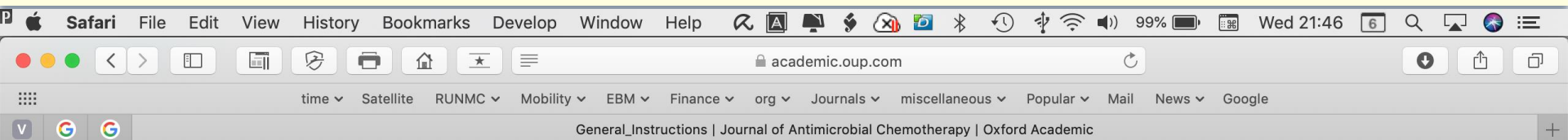
### Scope

#### The Journal will consider publishing articles on:

- new approaches to improving antimicrobial chemotherapy
- new compounds provided evidence is offered of selective antimicrobial activity and comparative cytotoxicity data
- previously unreported antimicrobial activity relating to a marketed drug product but such studies must take into account the exposure to the drug that can be safely achieved with clinically acceptable doses
- articles reporting the activity of bacteriophages



# Author guidelines



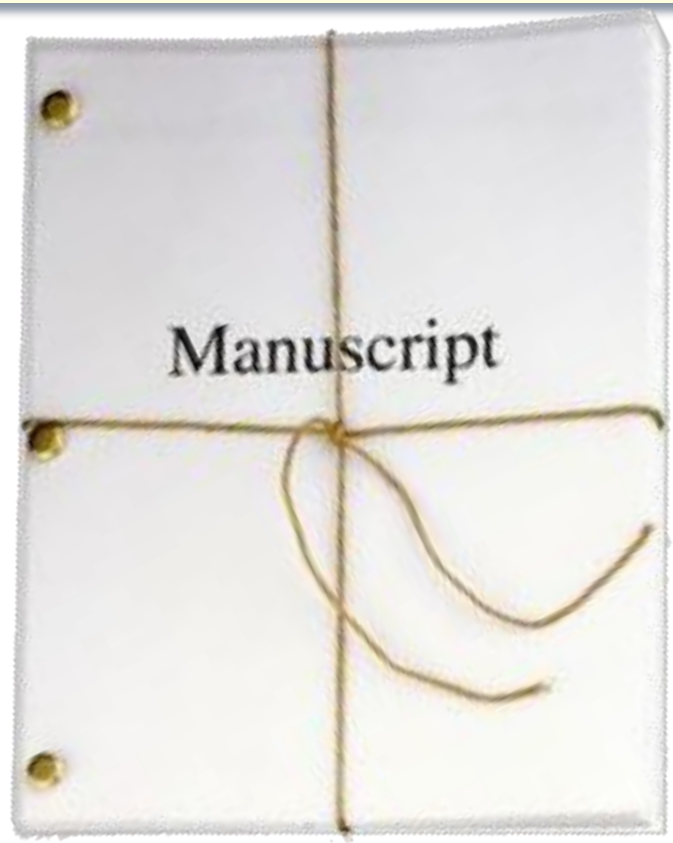
## BACKGROUND AND SCOPE OF THE JOURNAL

### Scope

#### **The Journal will not usually consider publishing material on:**

- the chemical synthesis or characterization of compounds. These are better suited to chemistry journals.
- the use and activity of biocides or disinfectants. These require specialist methodology and are generally better suited to more specialist journals.
- the process of turning antimicrobials into a medication i.e. pharmaceuticals. These are better suited to a pharmacy journal
- drug stability studies
- naturally occurring substances or extracts that exhibit antimicrobial activity but for which no specific active ingredient has been chemically defined

# The filtering process



# The filtering process



# The filtering process



aims and scope

# The filtering process



aims and scope

editorial review

# The filtering process



aims and scope

editorial review

peer review

# The filtering process



aims and scope

editorial review

peer review

published

Journal of Antimicrobial Chemotherapy 2019; 74: 541-546  
doi:10.1093/jac/dkz011 Advance Access publication 13 December 2018

**Harnessing alternative sources of antimicrobial resistance data to support surveillance in low-resource settings**

Elizabeth A. Ashley<sup>1,2</sup>, Nandini Shetty<sup>3</sup>, Jean Patel<sup>4</sup>, Rogier van Doorn<sup>5</sup>, Direk Limmathurtsakul<sup>6</sup>, Nicholas A. Feasey<sup>7,8</sup>, Iruka N. Okeke<sup>9</sup> and Sharon J. Peacock<sup>10</sup> on behalf of the Surveillance and Epidemiology of Drug-Resistant Infections Consortium (SEDRIC)

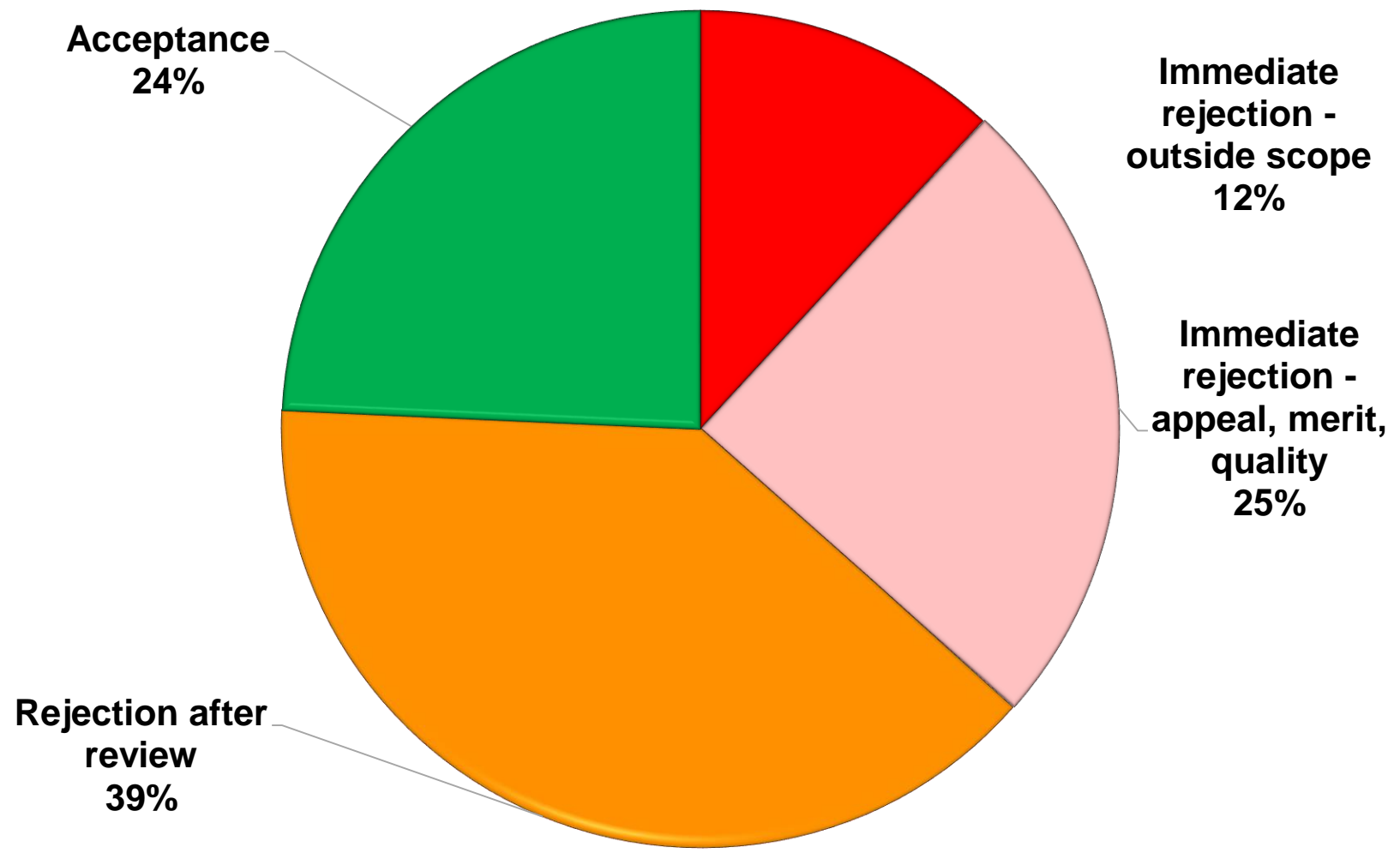
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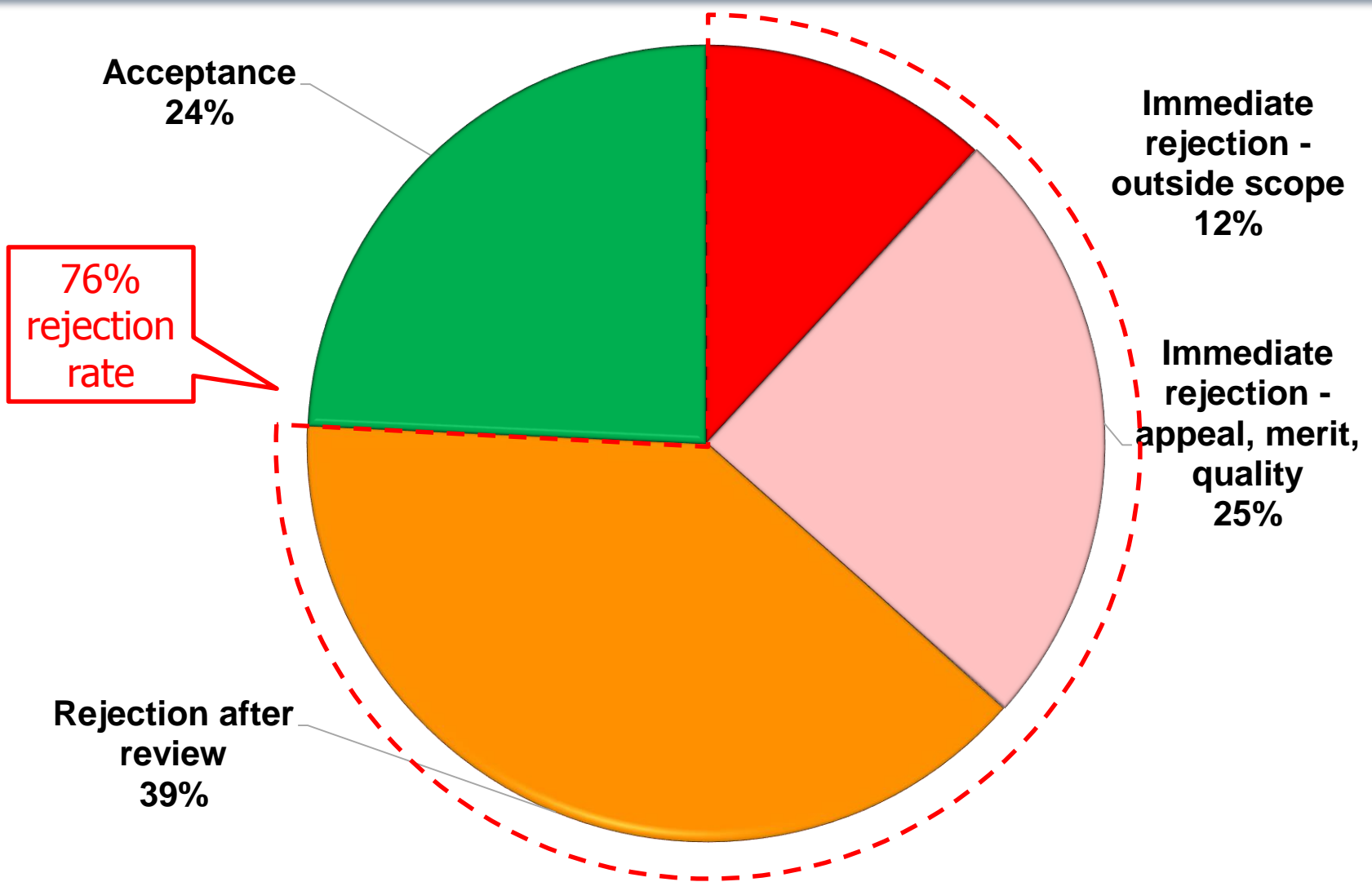
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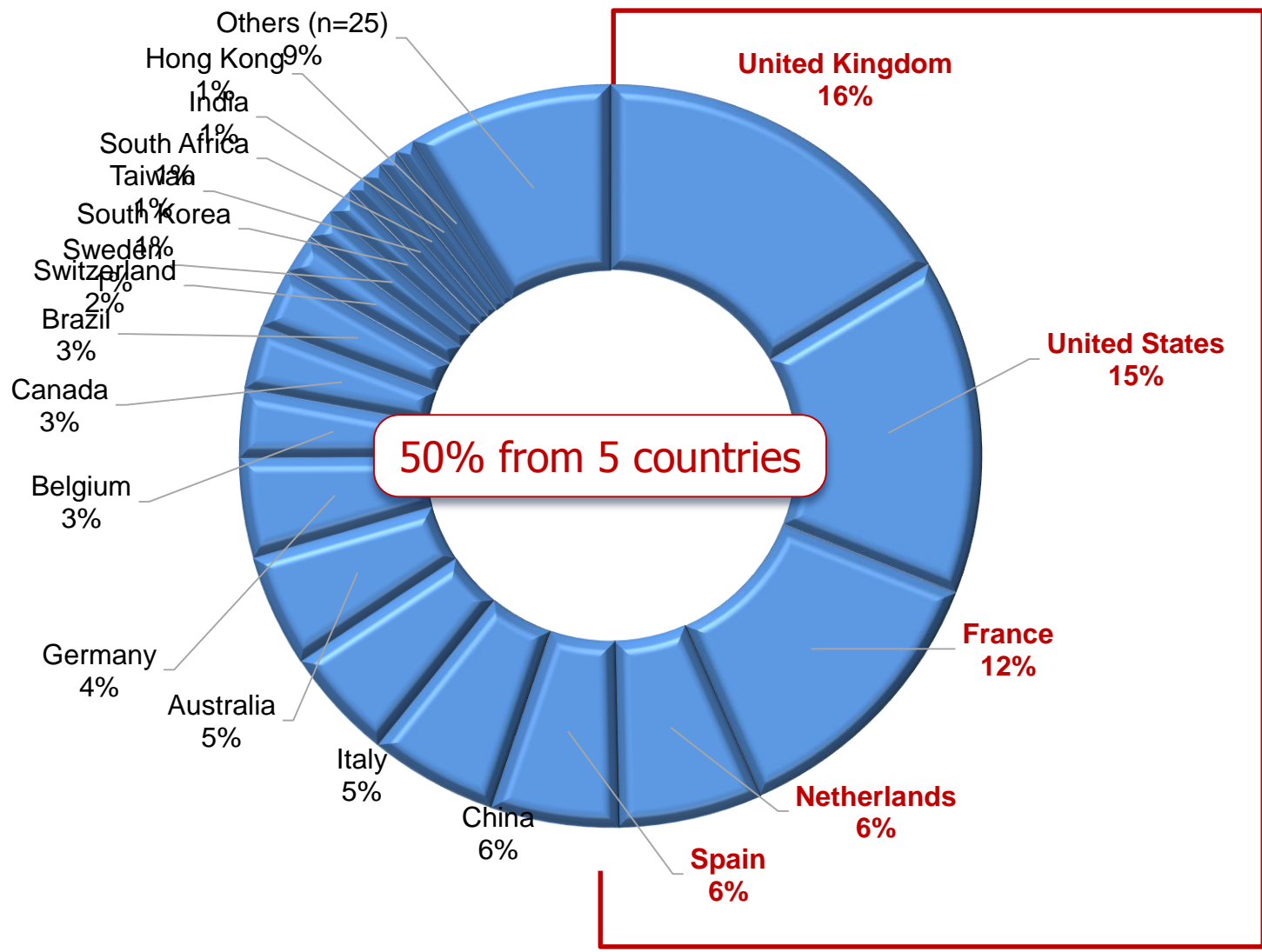
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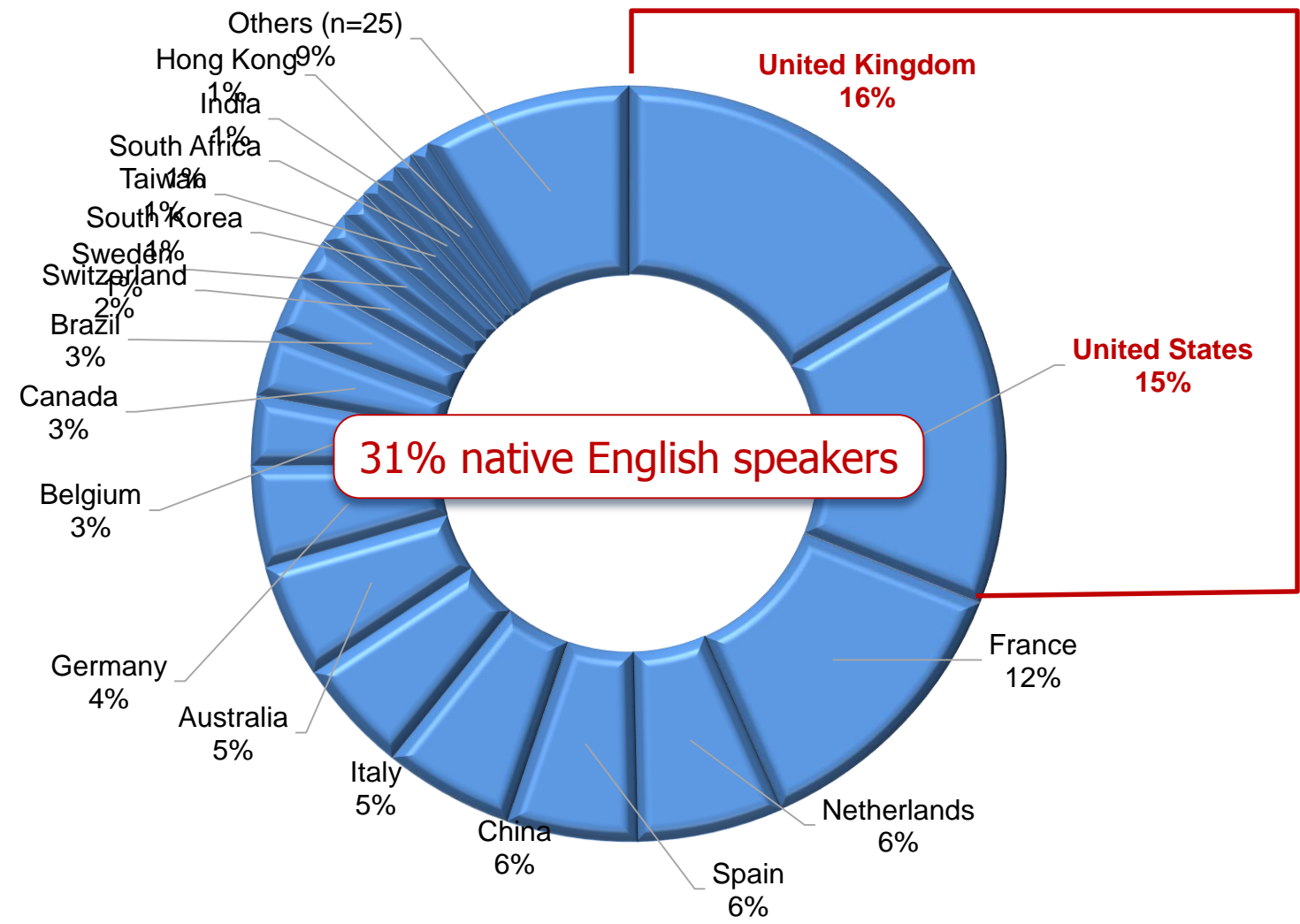
# Fate of submissions - 2018



# Origin of articles published



# Origin of articles published



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## Editorial management

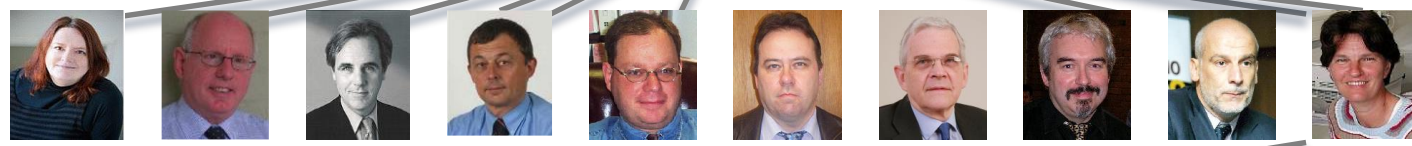
# Editorial tree

Senior editors



# Editorial tree

## Senior editors



## Editors



# The manuscript

**Molecular structure of Nucleic Acids**

WATSON, J. D. & CRICK, F. H. C.

Medical Research Council Unit for the Study of Molecular Structure of Biological Systems, Cavendish Laboratory, Cambridge.

**A Structure for Deoxyribose Nucleic Acid**

We wish to suggest a structure for the salt of deoxyribose nucleic acid (D.N.A.). This structure has novel features which are of considerable biological interest.

A structure for nucleic acid has already been proposed by Pauling and Corey<sup>1</sup>. They kindly made their manuscript available to us in advance of publication. Their model consists of three intertwined chains, with the phosphates near the fibre axis, and the bases on the outside. In our opinion, this structure is unsatisfactory for two reasons: (1) We believe that the material which gives the X-ray diagrams is the salt, not the free acid. Without the acidic hydrogen atoms it is not clear what forces would hold the structure together, especially as the negatively charged phosphates near the axis will repel each other. (2) Some of the van der Waals distances appear to be too small.

Another three-chain structure has also been suggested by Fraser (in the press). In his model the phosphates are on the outside and the bases on the inside, linked together by hydrogen bonds. This structure as described is rather ill-defined, and for this reason we shall not comment on it.

We wish to put forward a radically different structure for the salt of deoxyribose nucleic acid. This structure has two helical chains each coiled round the same axis (see diagram). We have made the usual chemical assumptions, namely, that each chain consists of phosphate diester groups joining β-D-deoxyribofuranose residues with 3',5' linkages. The two chains (but not their bases) are related by a dyad perpendicular to the fibre axis. Both chains follow right-handed helices, but owing to the dyad the sequences of the atoms in the two chains run in opposite directions. Each chain loosely resembles Furberg's<sup>2</sup> model No. 1; that is, the bases are on the inside of the helix and the phosphates on the outside. The configuration of the sugar and the atoms near it is close to Furberg's 'standard configuration', the sugar being roughly perpendicular to the attached base. There is a residue on each every 3.4 Å. in the Z-direction. We have assumed an angle of 36° between adjacent residues in the same chain, so that the structure repeats after 10 residues on each chain, that is, after 34 Å. The distance of a phosphorus atom from the fibre axis is 10 Å. As the phosphates are on the outside, cations have easy access to them.

The structure is an open one, and its water content is rather

... we would expect the bases to tilt so come more compact.

... structure is the manner in which the two the purine and pyrimidine bases. The perpendicular to the fibre axis. They are single base from one chain being base from the other chain, so that the identical Z-co-ordinates. One of the the other a pyrimidine for bonding to re made as follows : purine position 1 purine position 6 to pyrimidine

... bases only occur in the structure in the arms (that is, with the keto rather s) it is found that only specific pairs These pairs are : adenine (purine) and guanine (purine) with cytosine

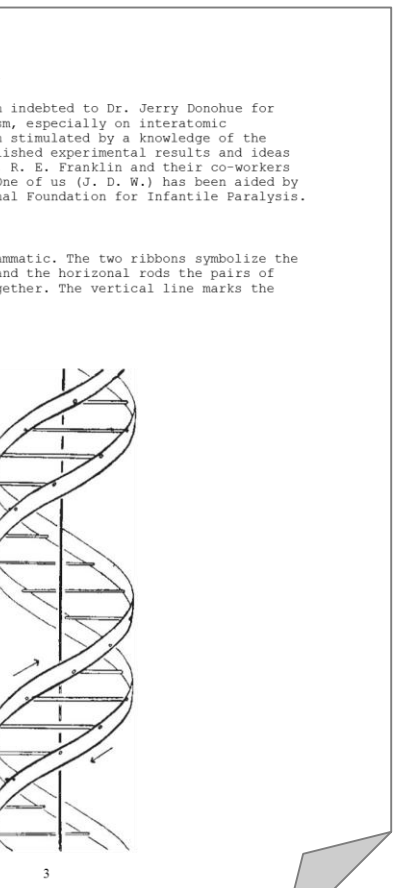
... he forms one member of a pair, on assumptions the other member must be nine and cytosine. The sequence of s not appear to be restricted in any fic pairs of bases can be formed, it e of bases on one chain is given, then chain is automatically determined.

... ally<sup>3,4</sup> that the ratio of the amounts the ration of guanine to cytosine, are for deoxyribose nucleic acid.

... b build this structure with a ribose ribose, as the extra oxygen atom would als contact. The previously published nucleic acid are insufficient for a ure. So far as we can tell, it is experimental data, but it must be it has been checked against more exact given in the following communications. tails of the results presented there re, which rests mainly though not imental data and stereochemical

... ce that the specific pairing we have egests a possible copying mechanism for

... structure, including the conditions assumed in er with a set of co-ordinates for the atoms,



... indebted to Dr. Jerry Donohue for m, especially on interatomic s stimulated by a knowledge of the lished experimental results and ideas . R. E. Franklin and their co-workers One of us (J. D. W.) has been aided by al Foundation for Infantile Paralysis.

... ammatic. The two ribbons symbolize the and the horizontal rods the pairs of gether. The vertical line marks the



# Editorial process

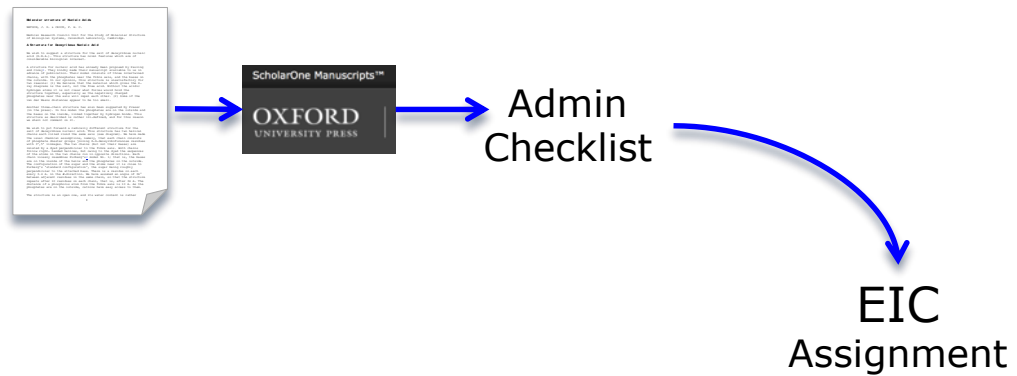


# Editorial process

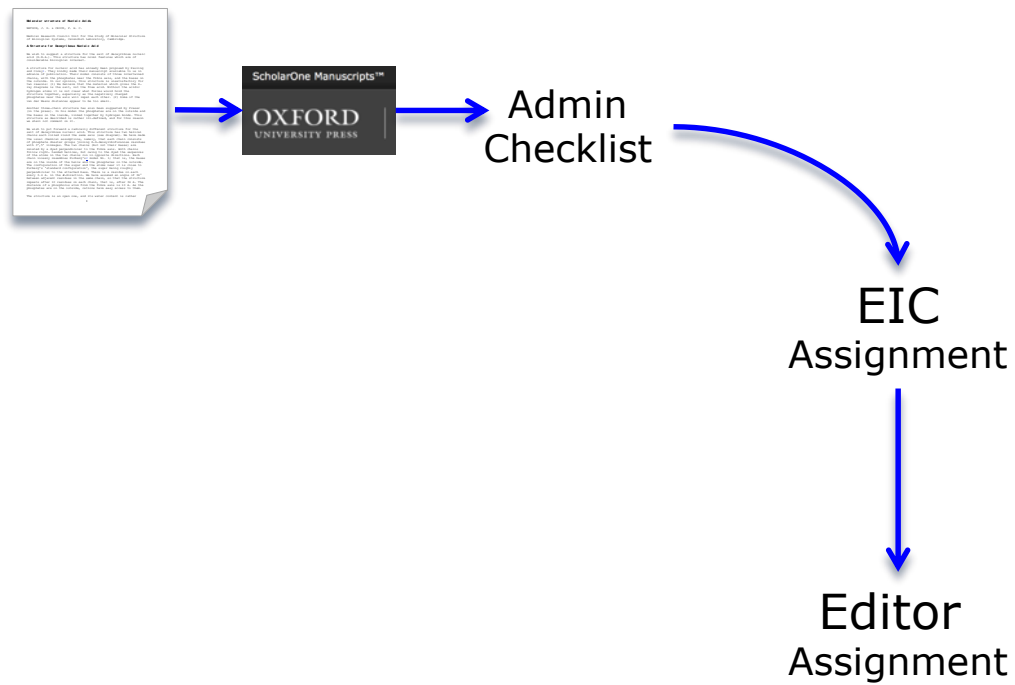


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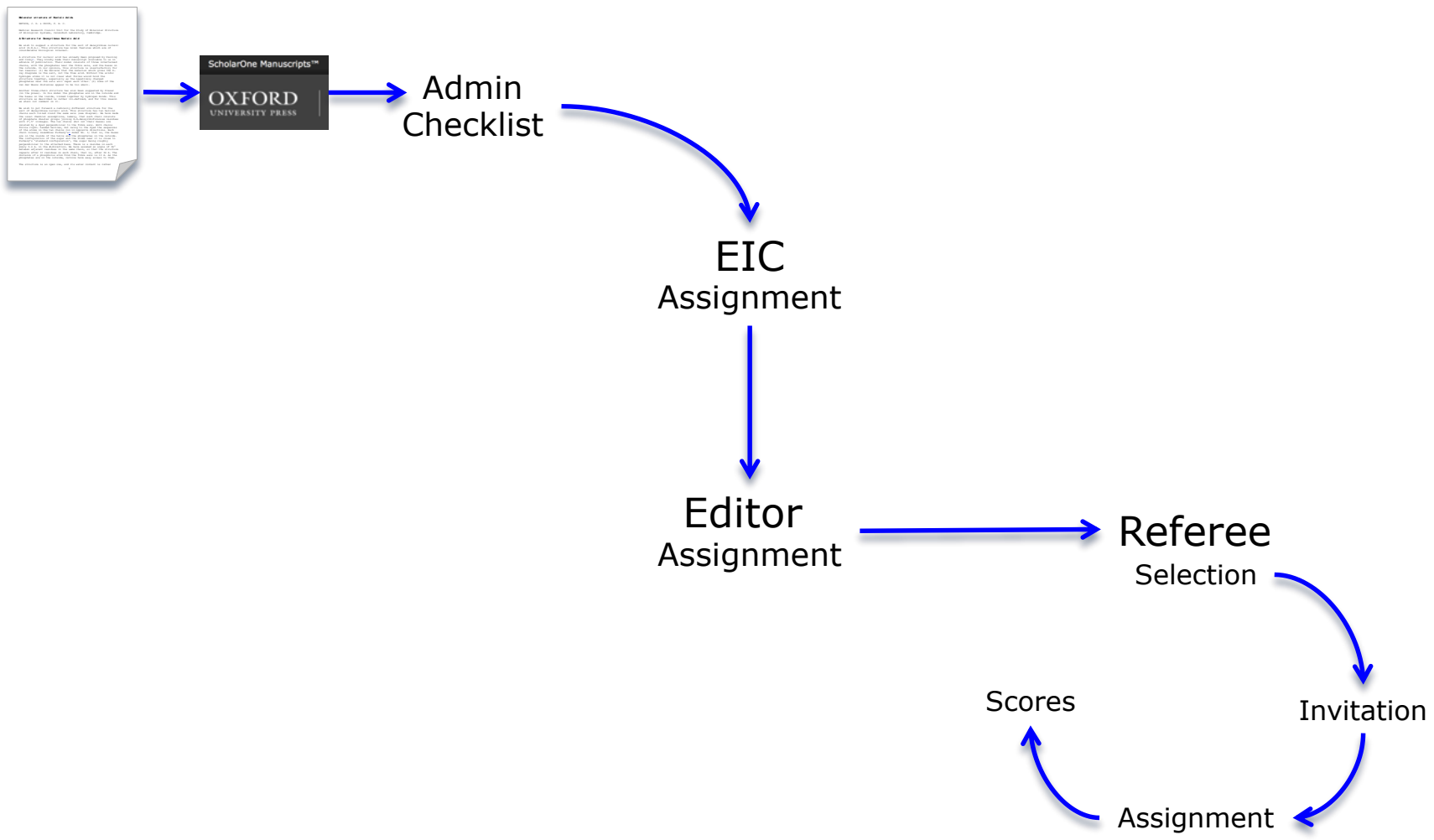
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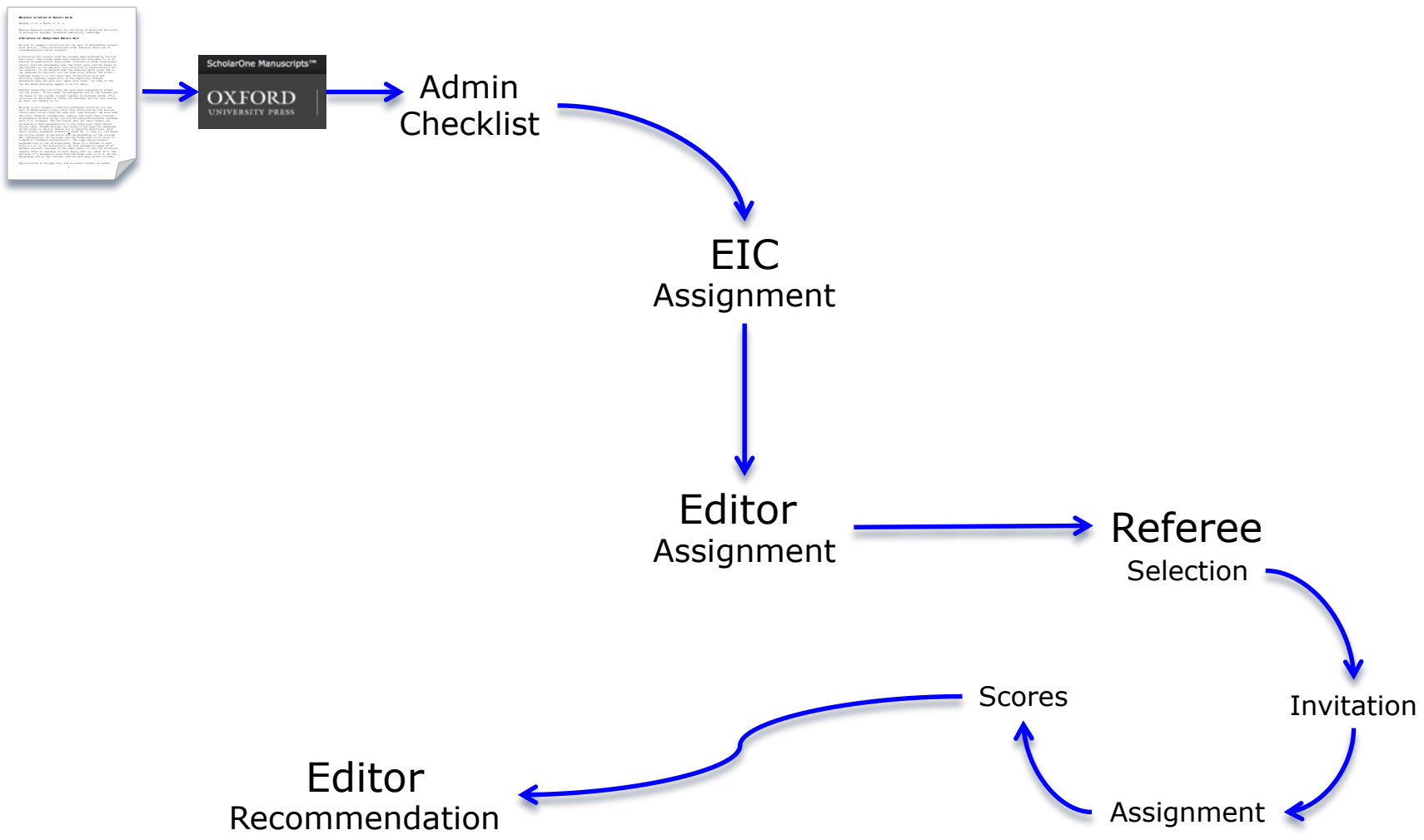
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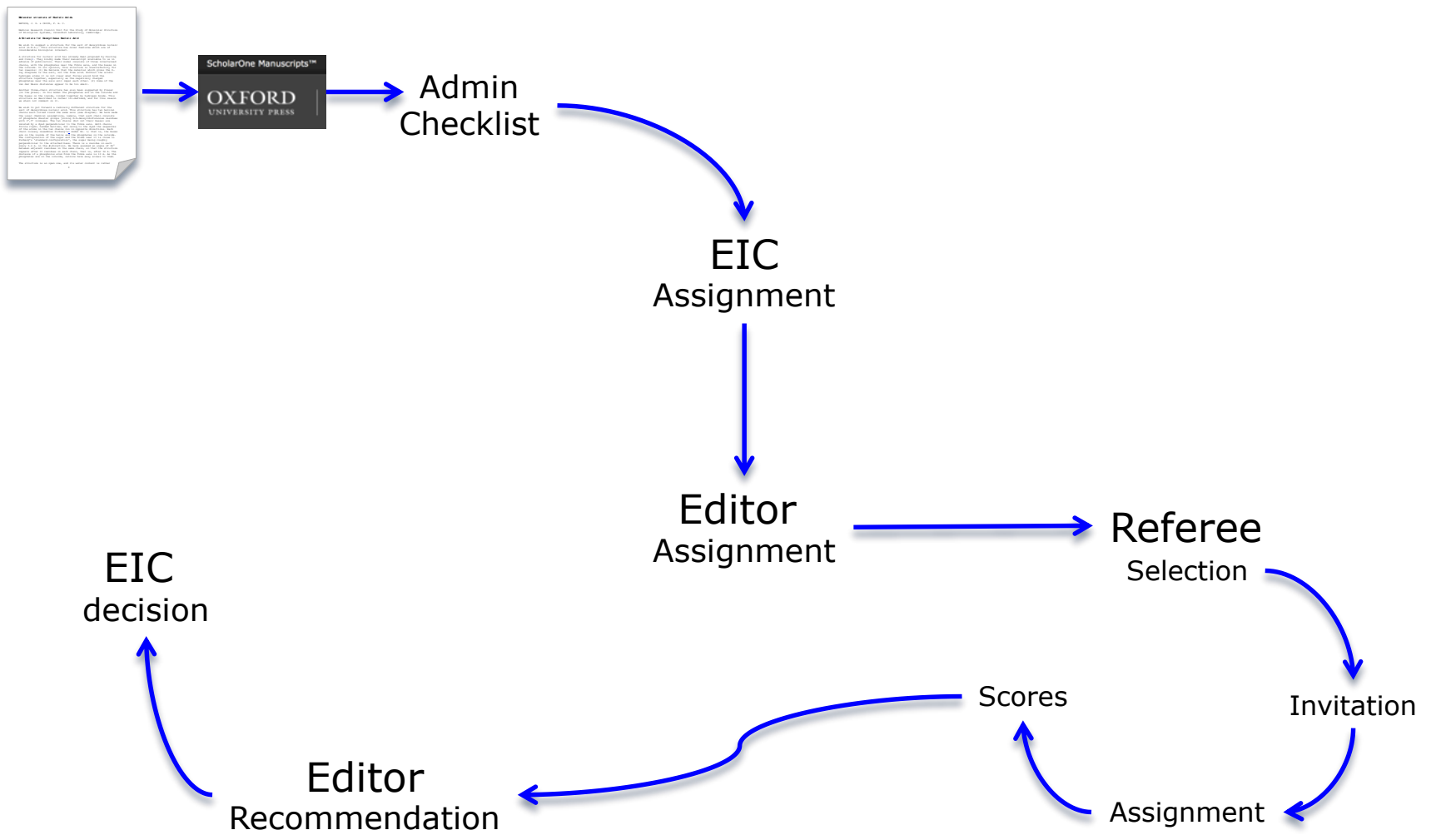
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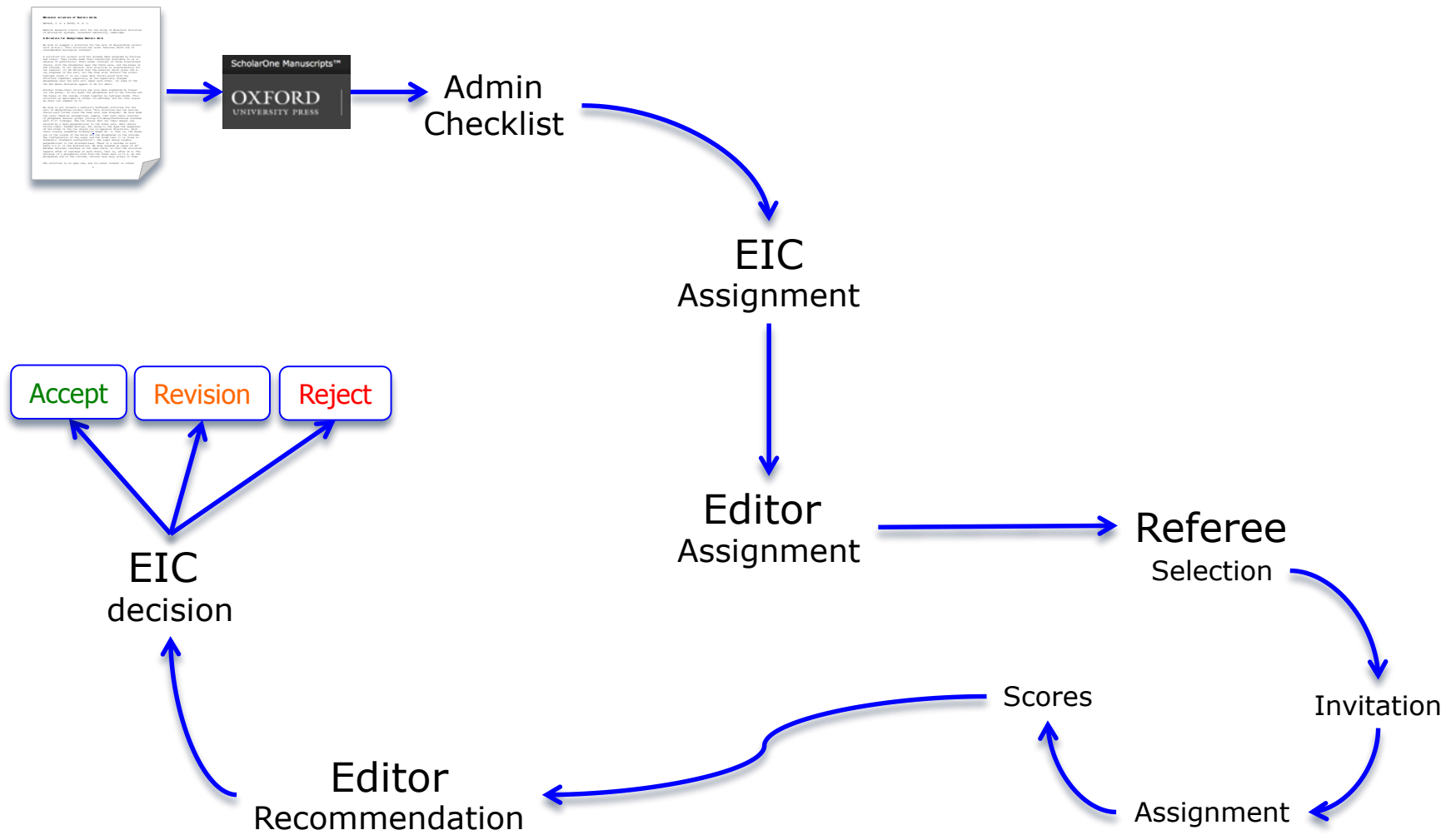
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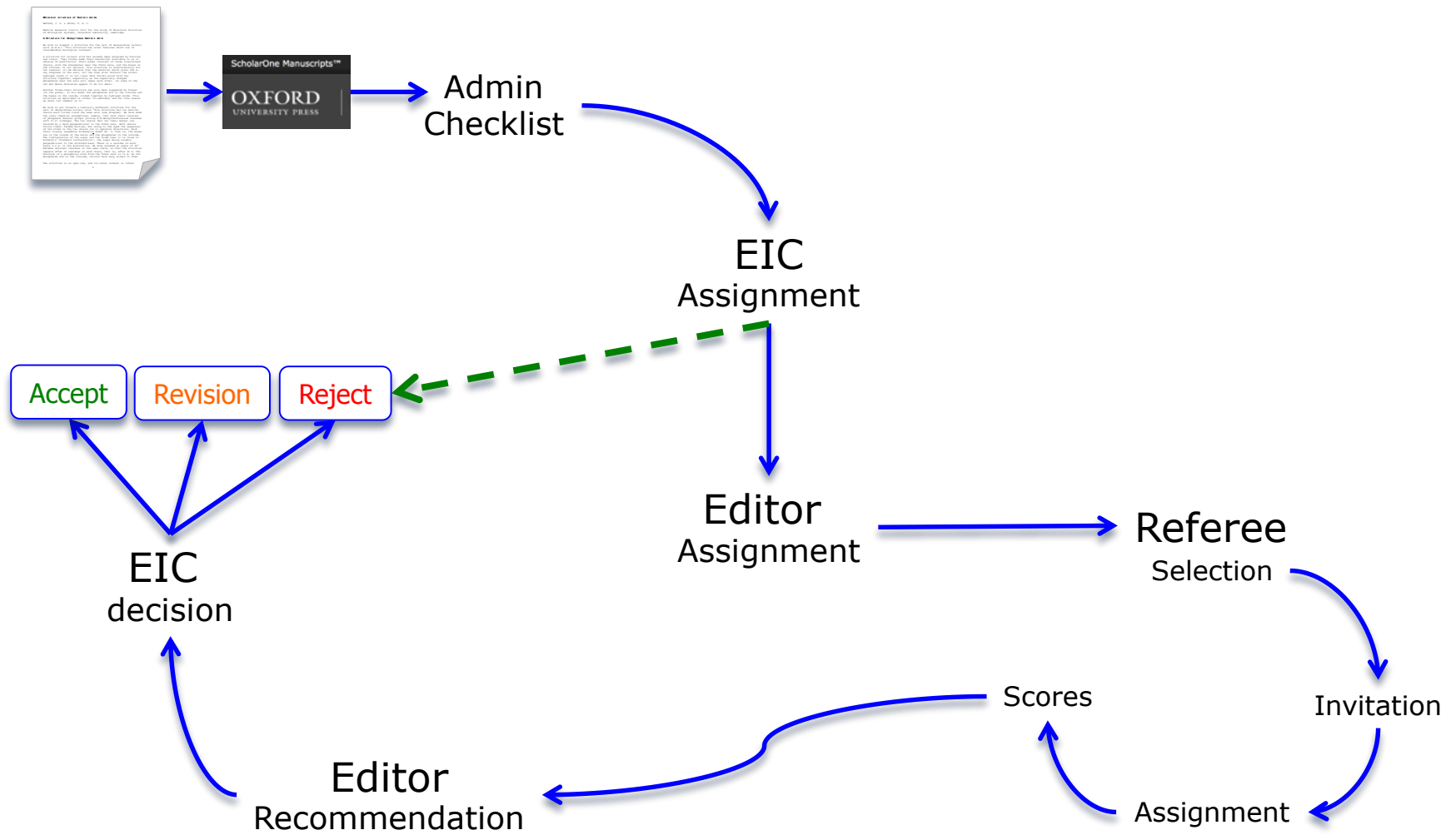


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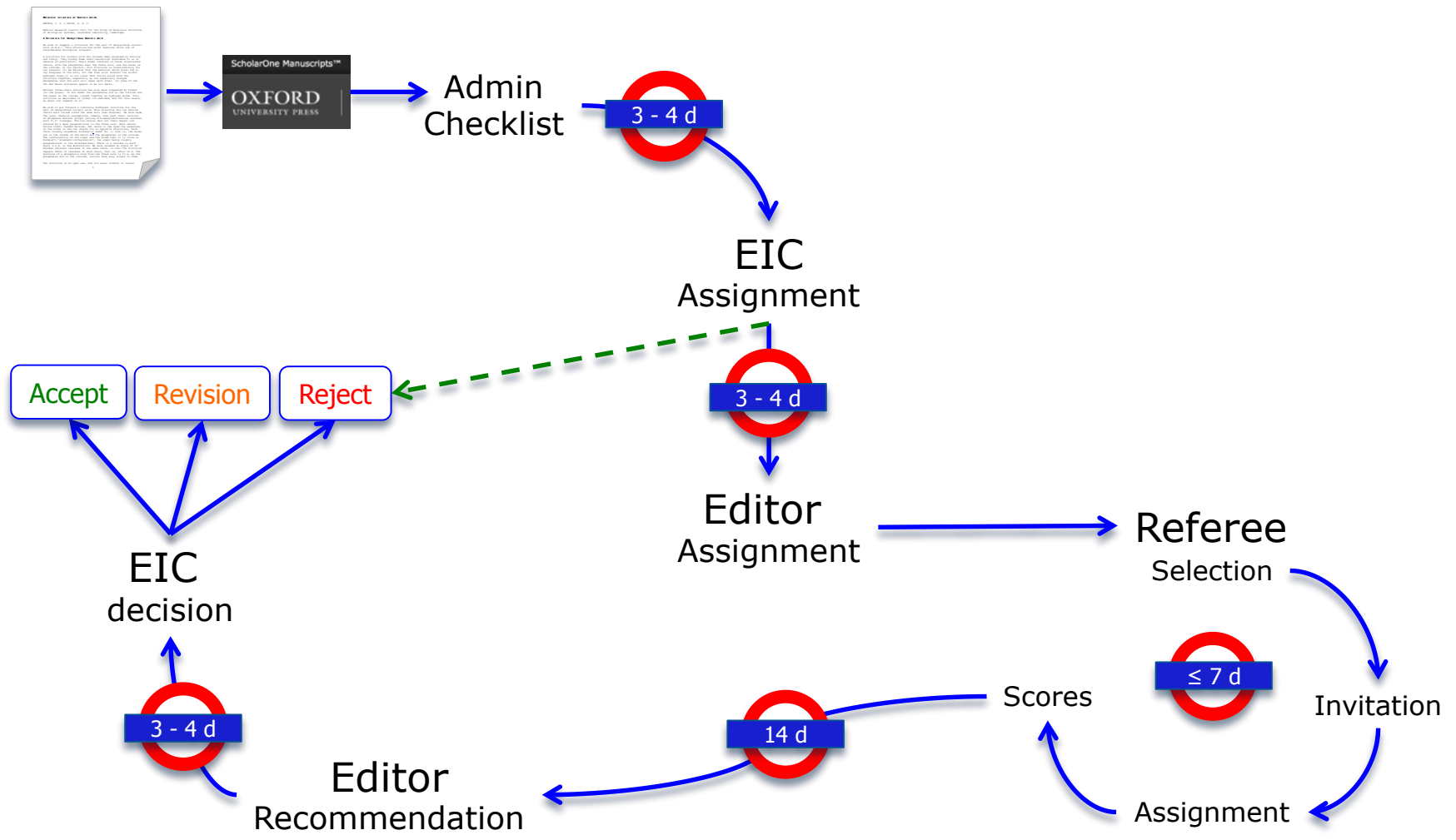




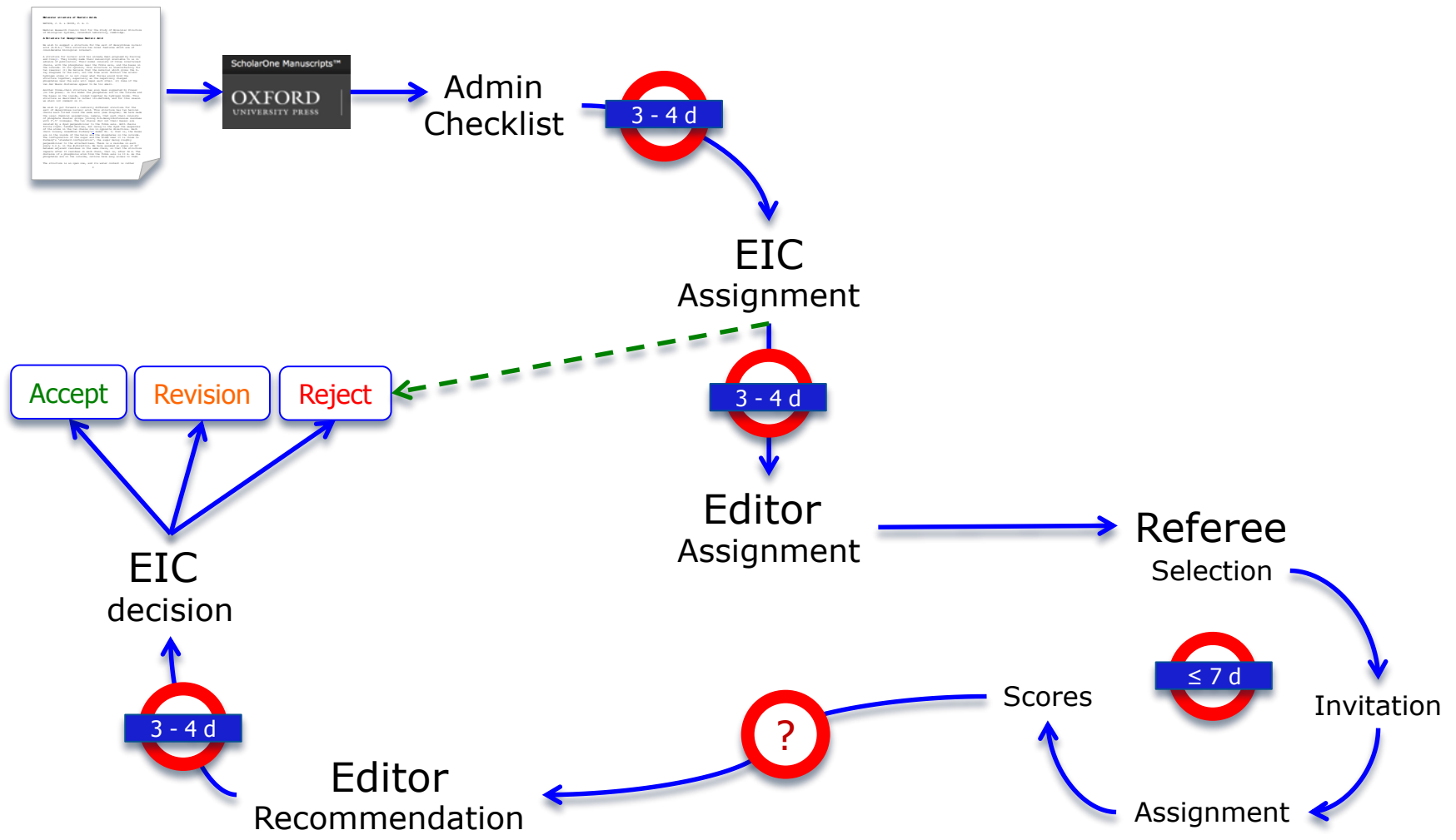
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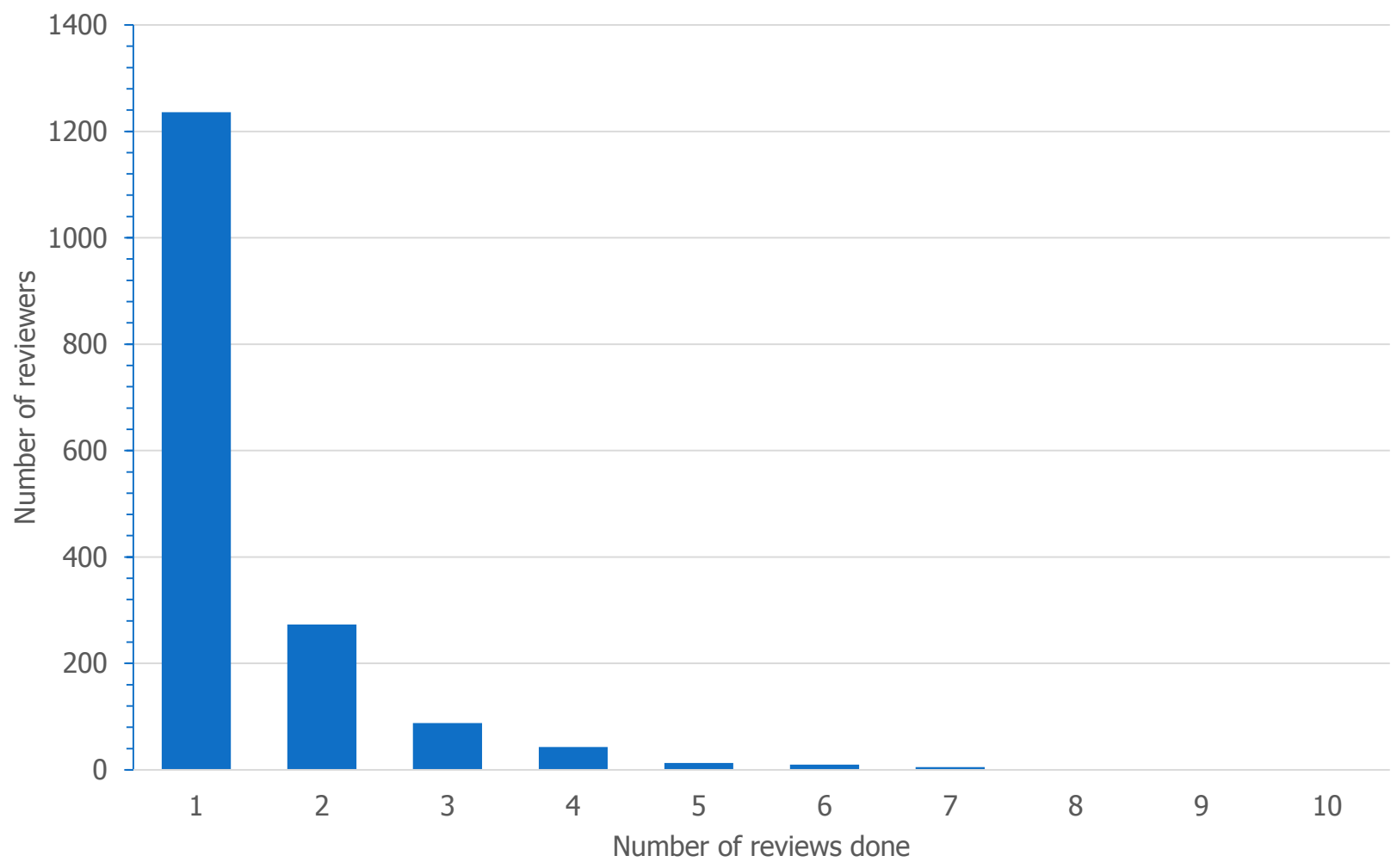
# Editorial process – times taken



# Editorial process – times taken



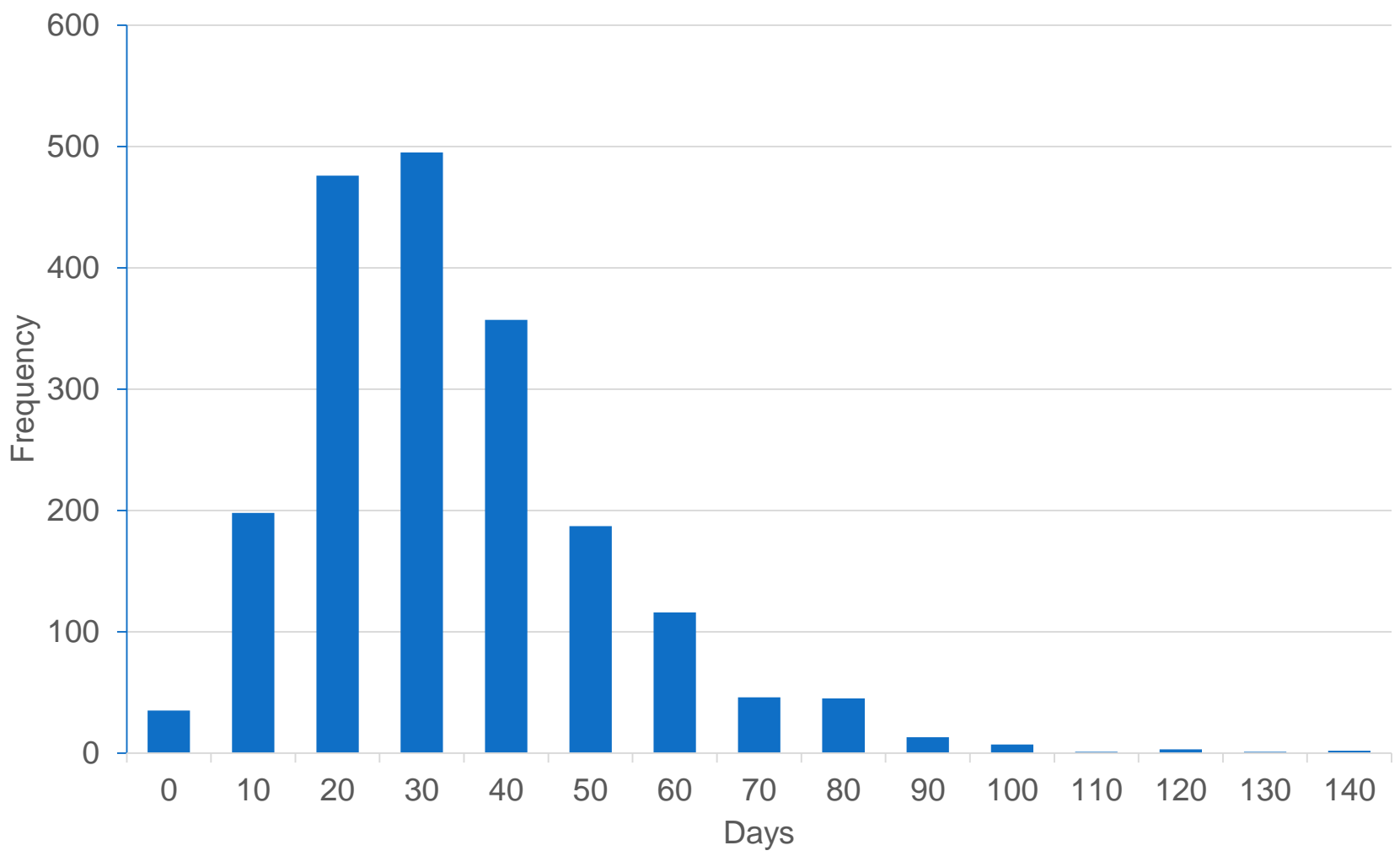
# Peer reviewers - 2017 (n = 1,671)



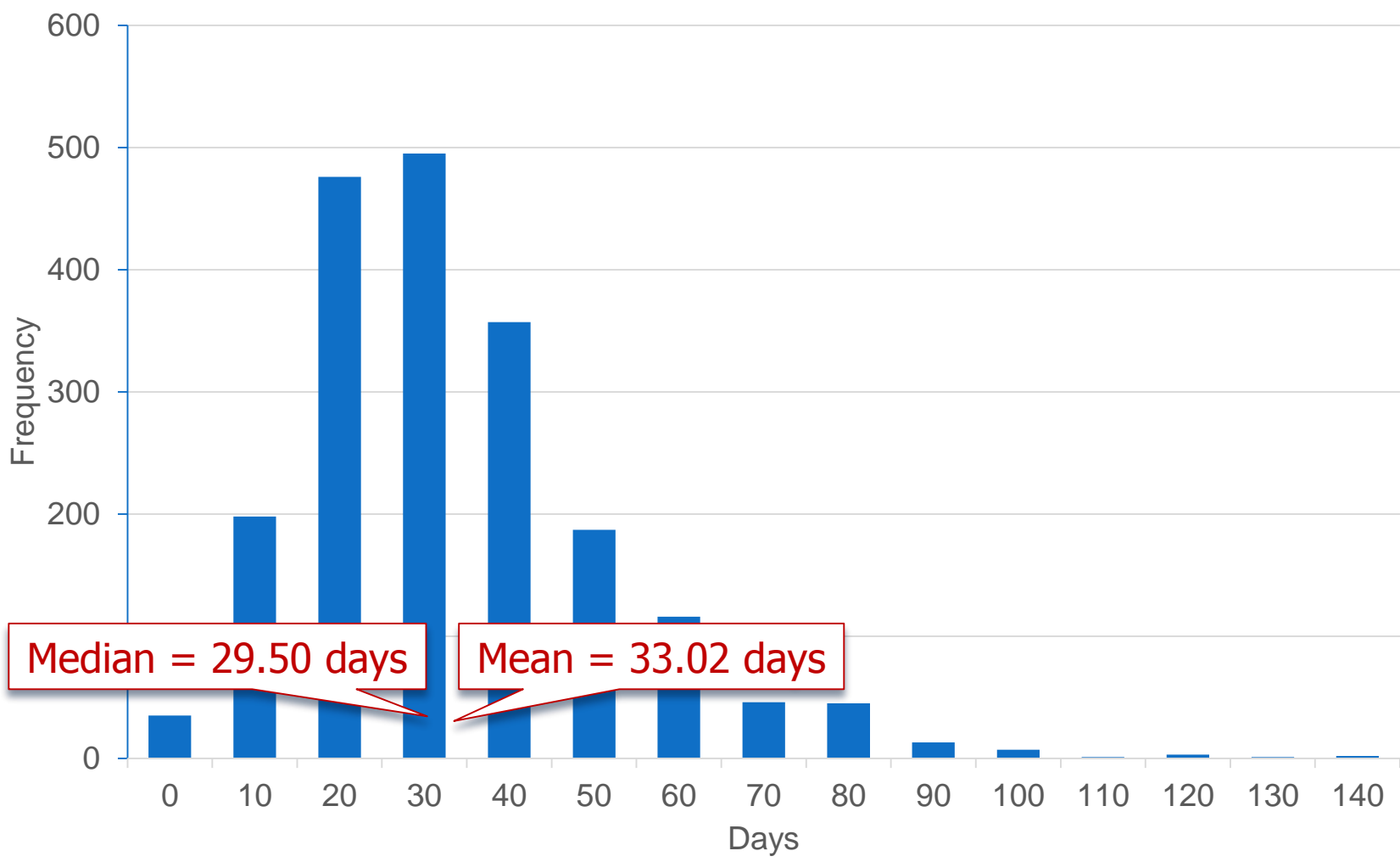
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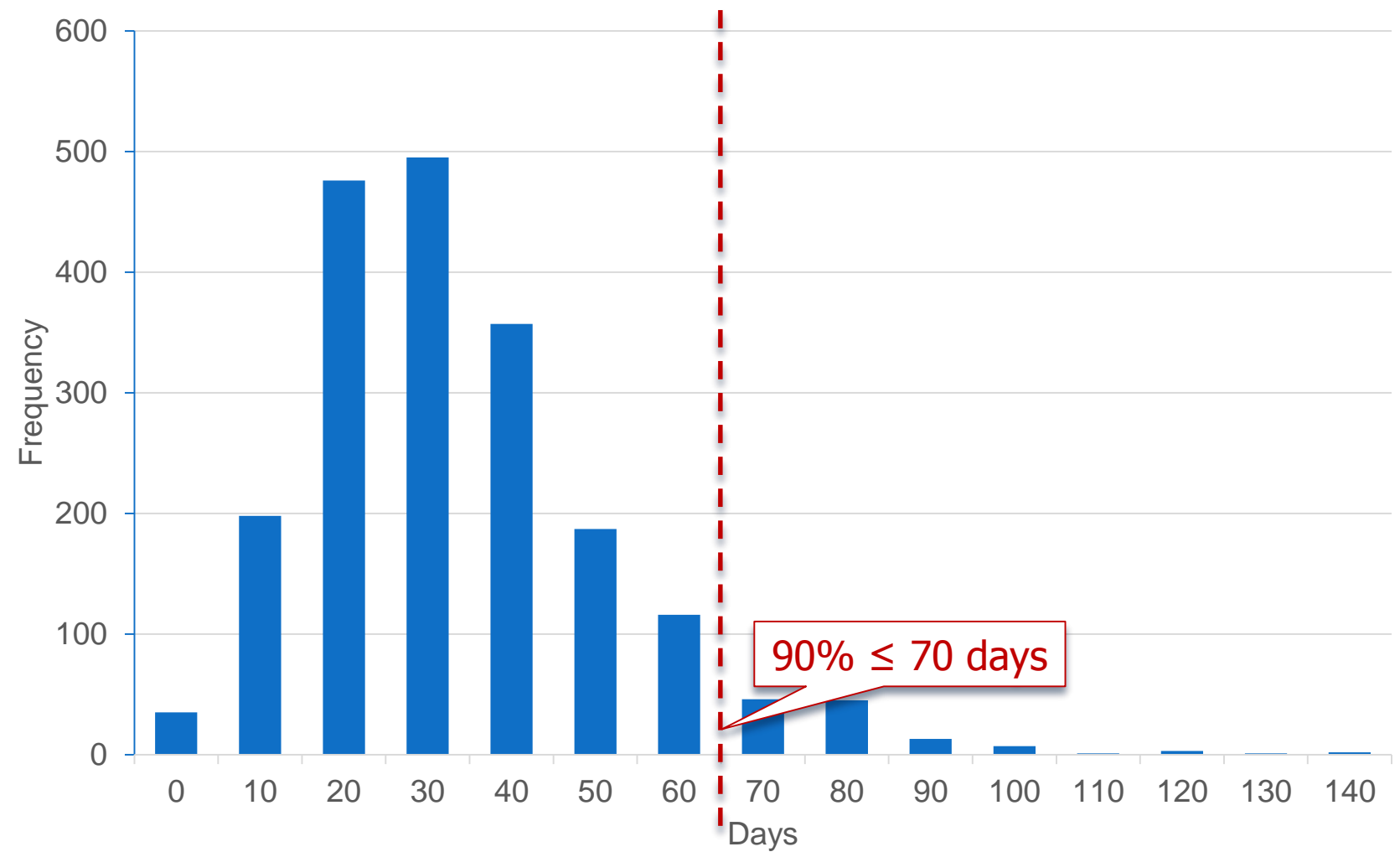
# Overall time to first decision - 2018



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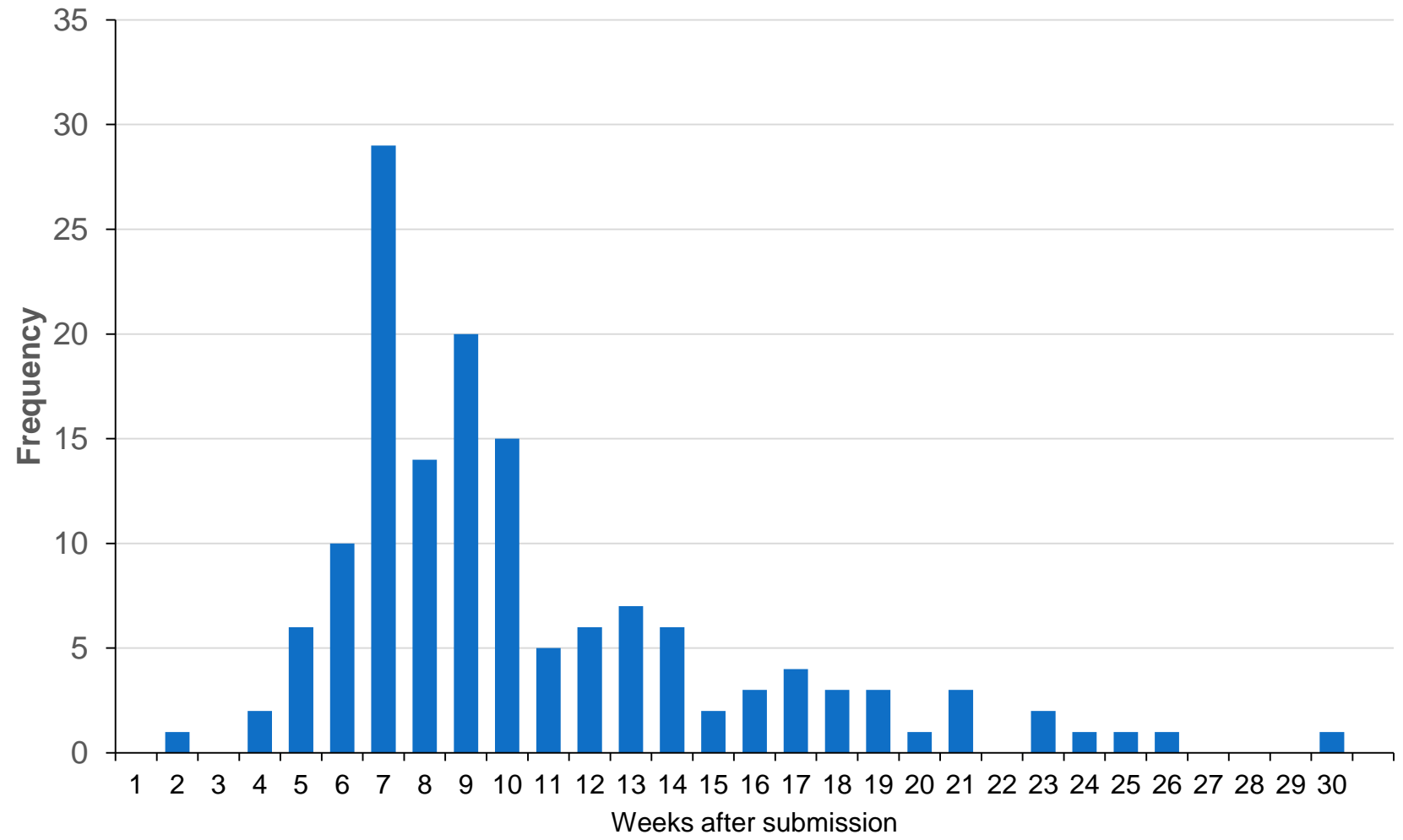


# Overall time to first decision - 2018

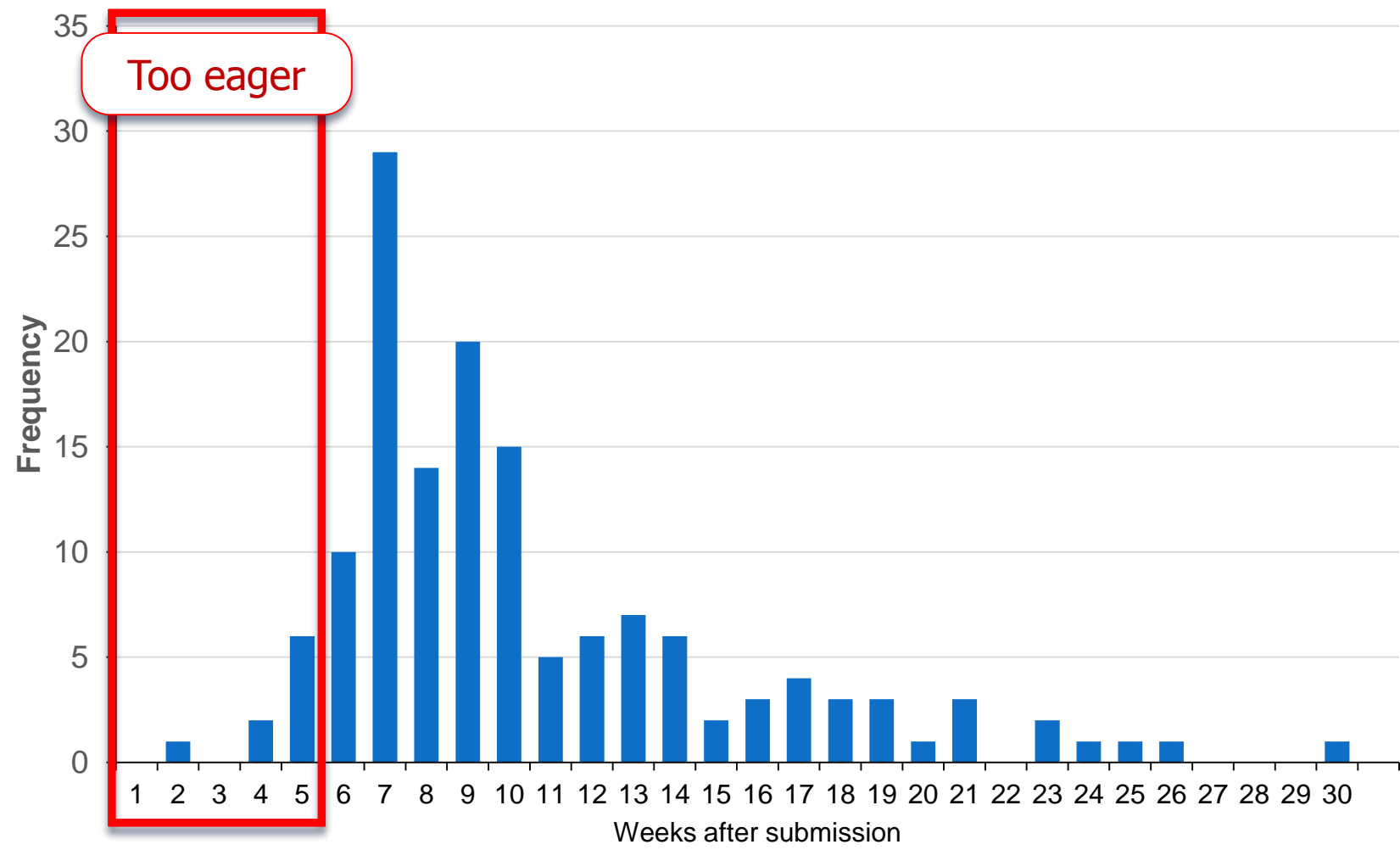




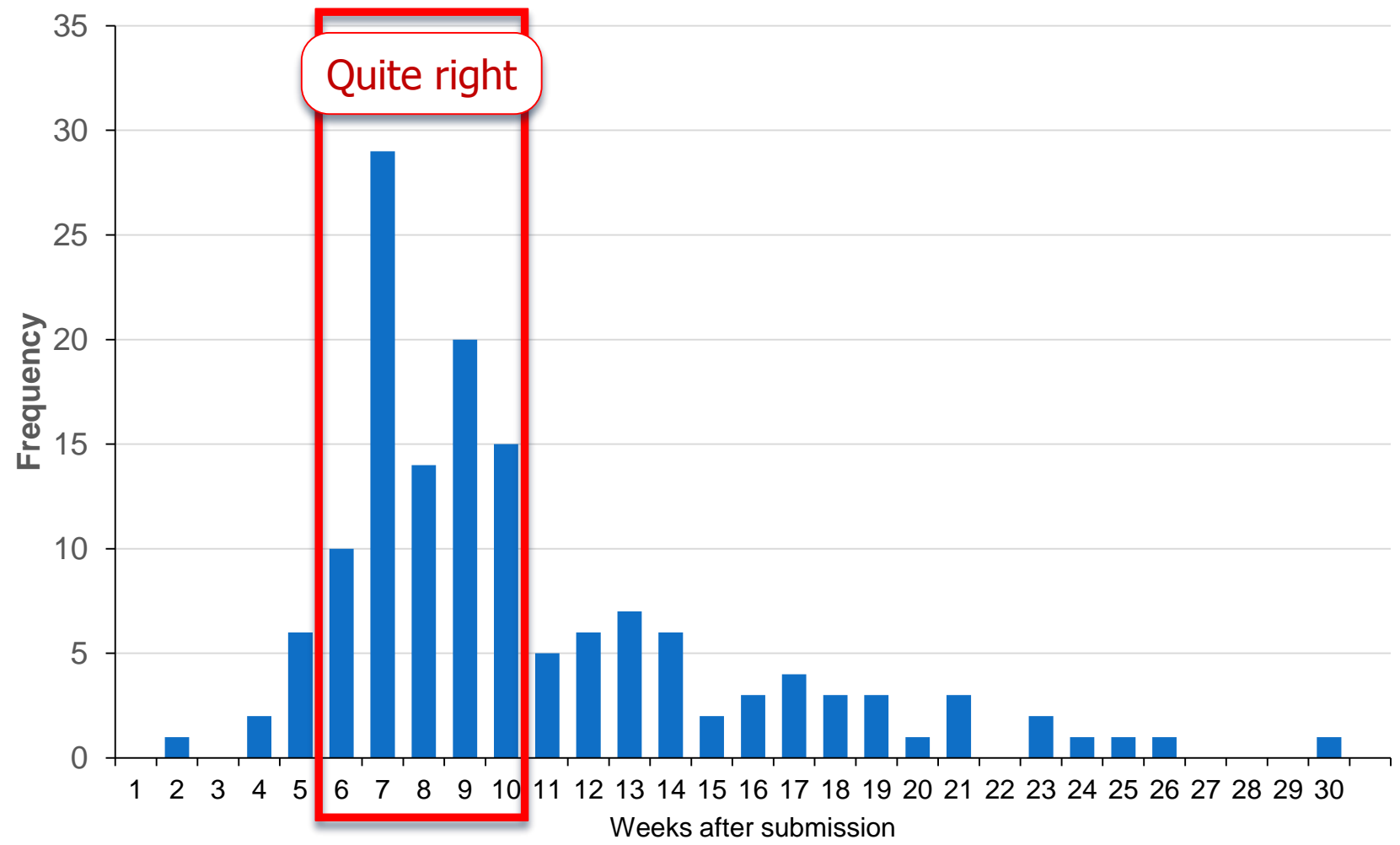
# Status enquiries - 2018



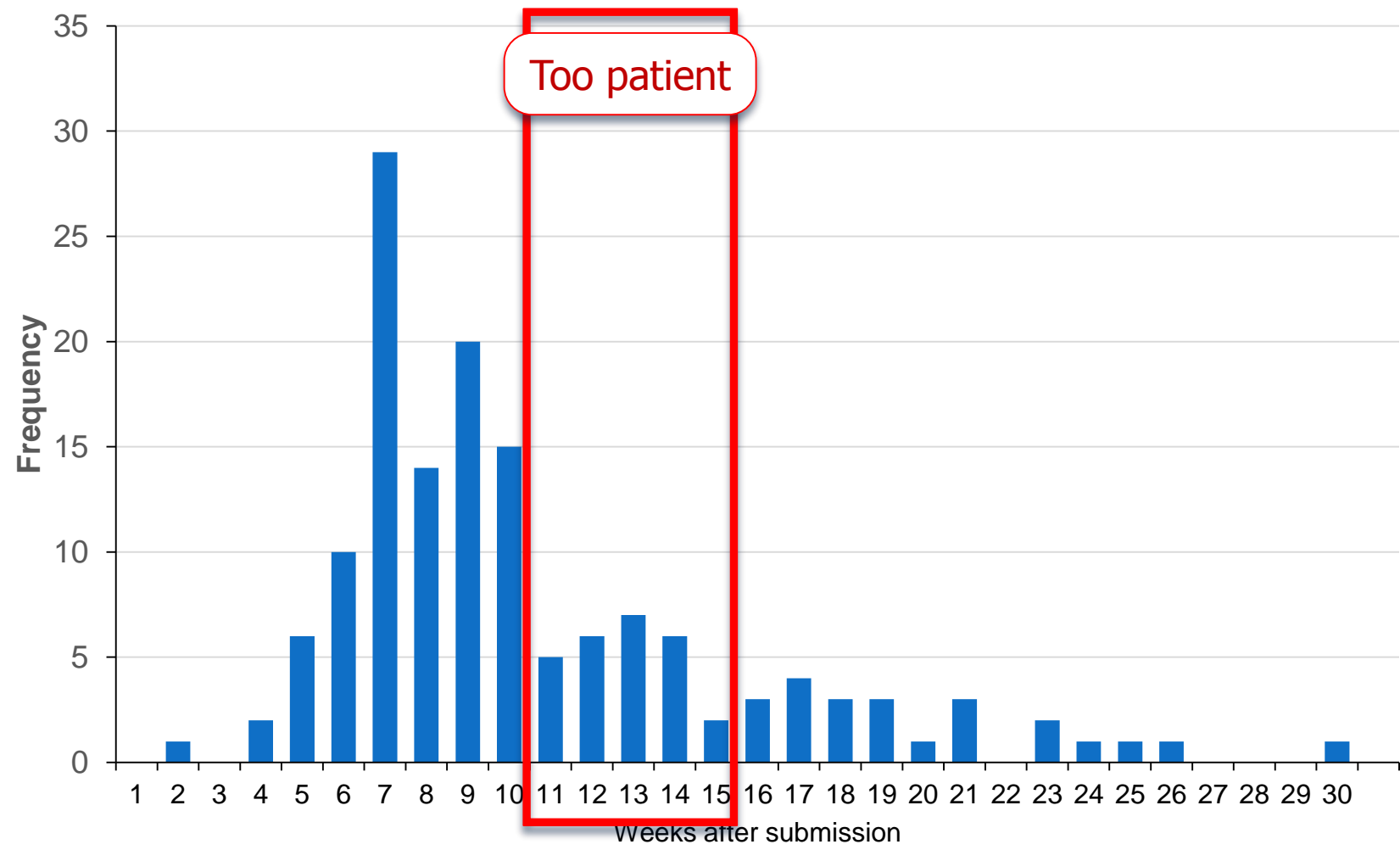
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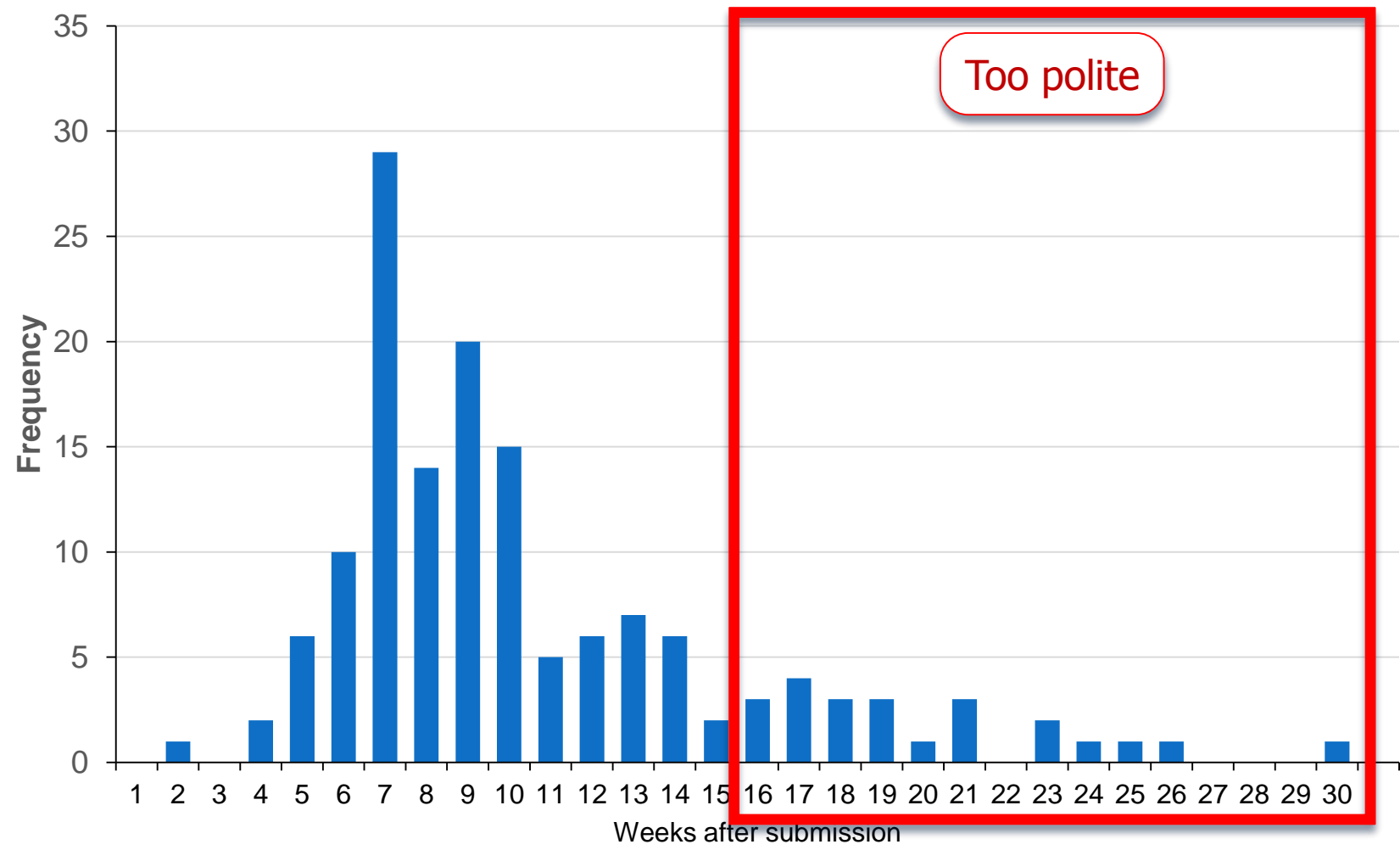
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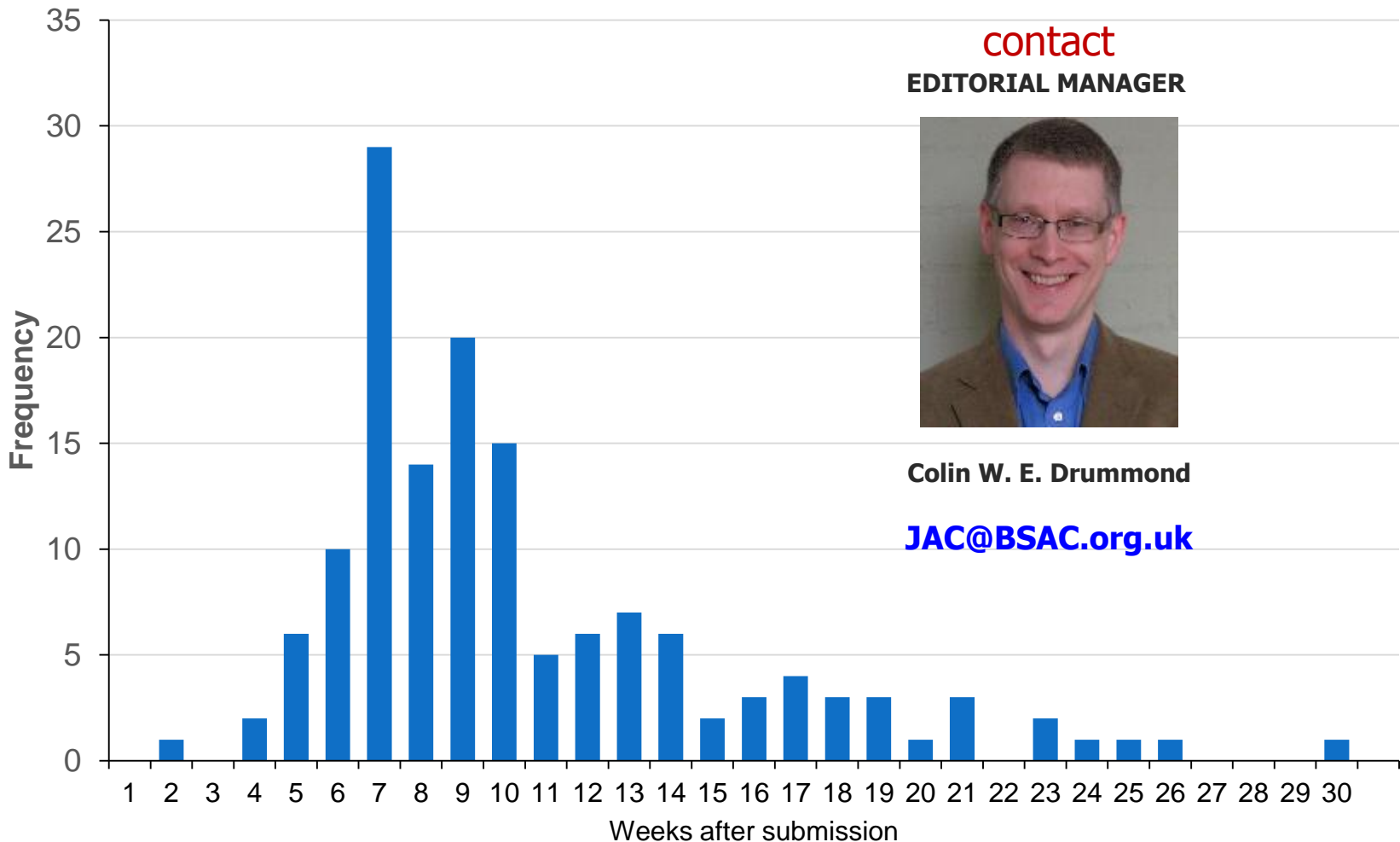
# Status enquiries - 2018



# Status enquiries - 2018



# Status enquiries - 2018



**contact**  
**EDITORIAL MANAGER**



**Colin W. E. Drummond**

**[JAC@BSAC.org.uk](mailto:JAC@BSAC.org.uk)**

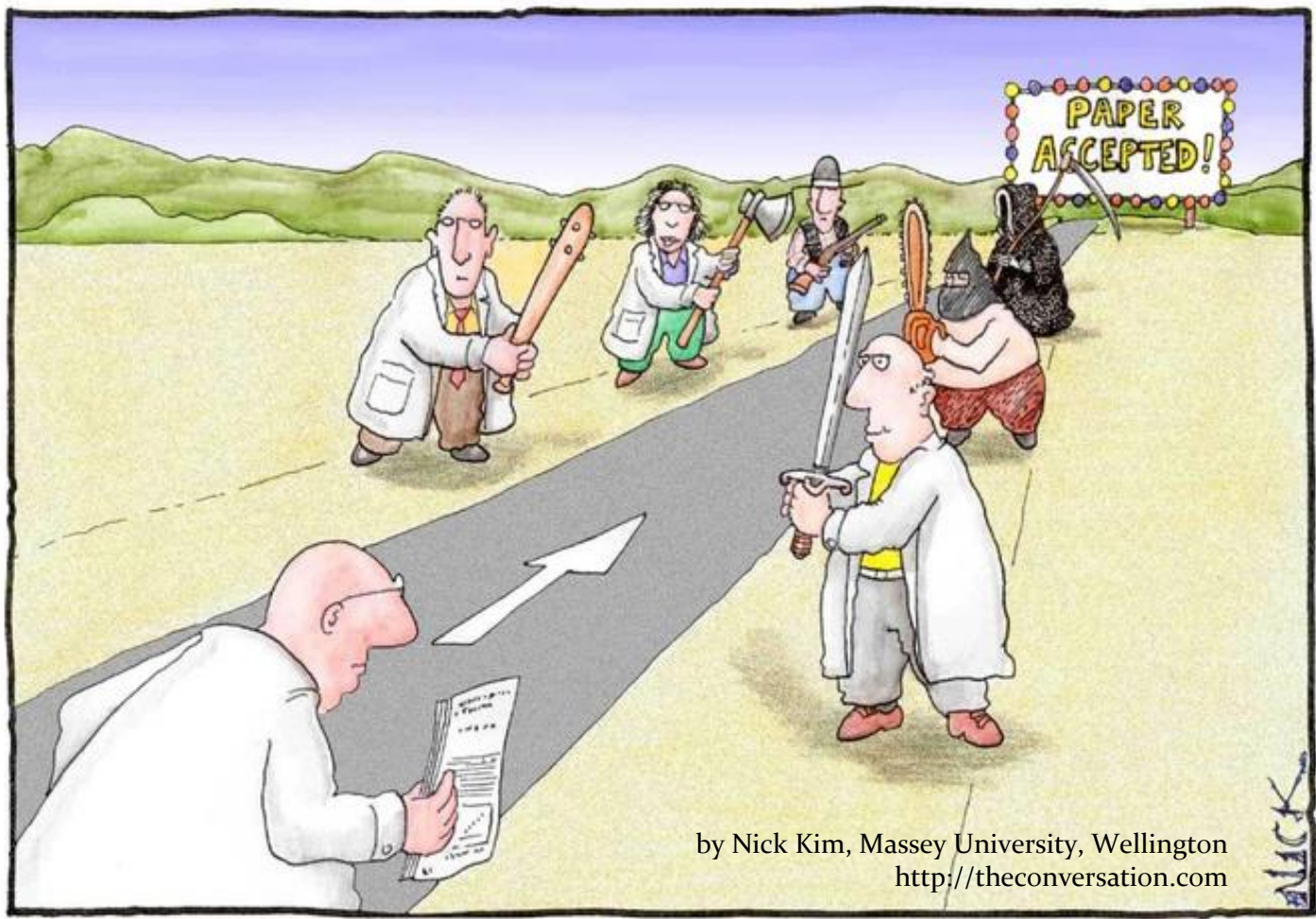
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## Challenges

### Authorship

# Peer review – author’s perspective



by Nick Kim, Massey University, Wellington  
<http://theconversation.com>

Most scientists regarded the new streamlined peer-review process as “quite an improvement.”



# Peer review – reviewer's perspective



# Peer review – reviewer's perspective



# Peer review – reviewer’s perspective



# Peer review – reviewer's perspective



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## Challenges

Authorship disputes

# Authorship disputes



# Who should be first author.....



Obviously  
me 'cos I  
need it to  
boost my H-  
index

# Who should be first author.....



Rubbish. It must be me 'cos I am the most senior!



# Who should be first author.....



# Who should be first author.....



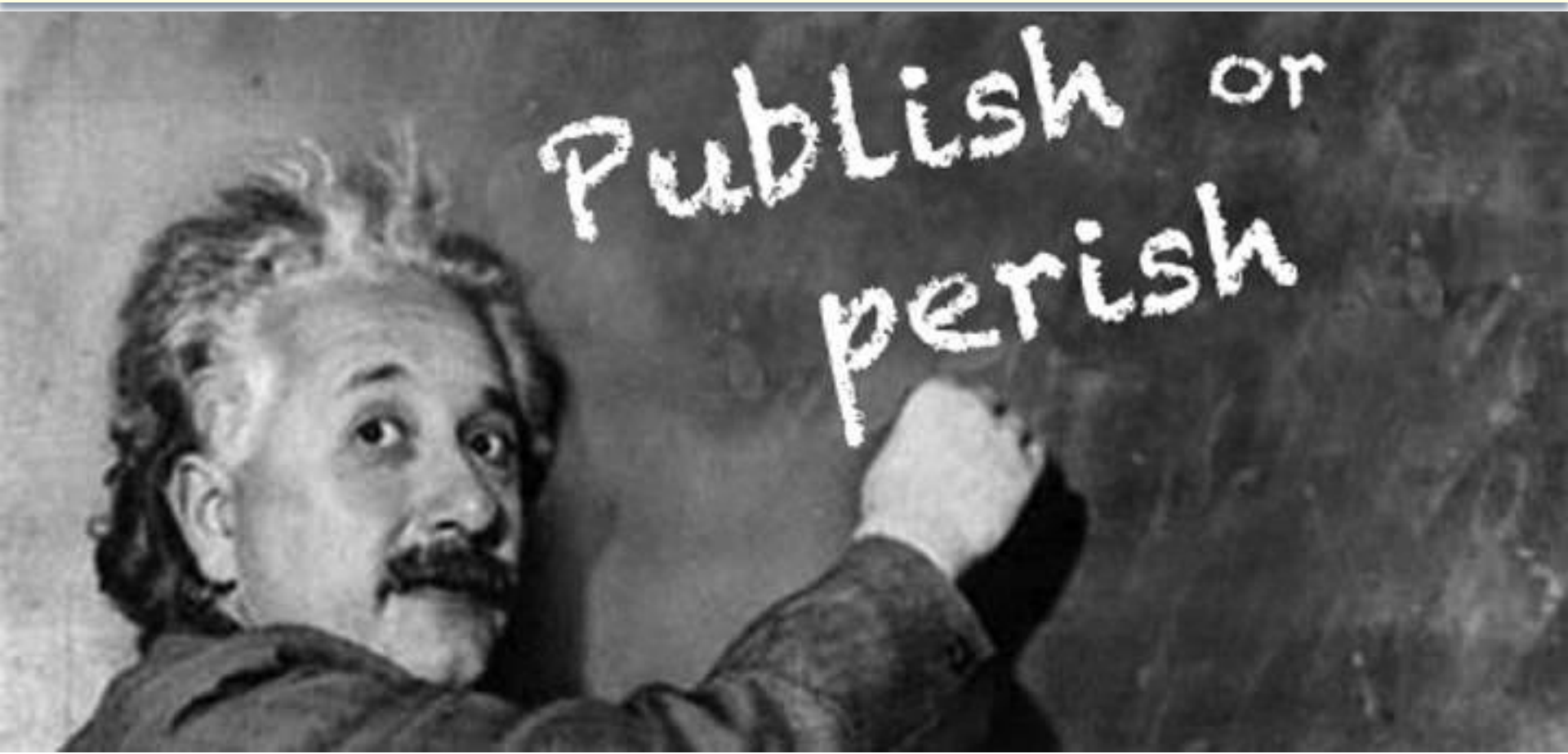
# JAC

Journal of Antimicrobial Chemotherapy  
The Journal of the British Society for Antimicrobial Chemotherapy

## Challenges

Personal metrics

# Publish or perish



# Journal Impact Factor - 2017

$$\text{Impact Factor}_{2017} = \frac{\text{citations}_{2016} + \text{citations}_{2015}}{\text{Publications}_{2016} + \text{publications}_{2015}}$$

# Measuring performance of the journal

## Journal of Antimicrobial Chemotherapy



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All Journal of Antimi



**Latest Issue**  
Volume 74, Issue 3  
March 2019

Impact Factor  
**5.217**

5 year Impact Factor  
**5.173**

---

**Editor-in-Chief**  
Dr Peter Donnelly  
[Editorial Board](#)

**Latest Impact Factor announced**

We are delighted to say that the Impact Factor for the *Journal of Antimicrobial Chemotherapy* has risen to 5.217. In celebration of this, we have put together a collection of highly cited articles from JAC, freely available to read online.

[Read the collection](#)

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# Measuring performance of the journal

## Journal of Antimicrobial Chemotherapy



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Editor-in-Chief  
Dr Peter Donnelly  
[Editorial Board](#)



### Latest Impact Factor announced

*“While the Impact Factor provides a useful measure to show JAC’s standing among other similar journals it should never be used for measuring a given authors scientific contribution to the field.”*



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## Challenges

Plan S



# Plan S



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**Making  
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a reality  
by 2020**

# Plan S



The key principle is as follows:

**“After 1 January 2020 scientific publications on the results from research funded by public grants provided by national and European research councils and funding bodies, must be published in compliant Open Access Journals or on compliant Open Access Platforms.”**

The logo for cOAlition S, featuring the text 'cOAlition S' in a white, sans-serif font. The letter 'S' is significantly larger and partially overlaps a large, stylized orange 'S' shape in the background.

**Making  
Open Access  
a reality  
by 2020**

# Plan S



## Brussels 20<sup>th</sup> February 2019 PRESS RELEASE

Over 600 individuals and organisations provided feedback to cOAlition S on the implementation guidance of Plan S. Originating from over 40 countries, respondents providing feedback include researchers, librarians and libraries, publishers and editors, universities, learned societies, research funders and performers, and other interested citizens and organisations.

cOAlition S  
Making  
Open Access  
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by 2020

# Current publishing models

## PUBLISHING MODELS

Worldwide, the proportion of subscription-only journals\* shrank between 2012 and 2016, giving way to more open-access (OA) and hybrid journals.

Proportion of journals published 2012



Proportion of journals published 2016



\*From Scopus database. Hybrid journals are subscription titles that allow authors to make individual papers open for a fee.

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Open access publication fees (excluding taxes)

## Elsevier

International Journal of Antimicrobial Agents (Hybrid) USD 3000

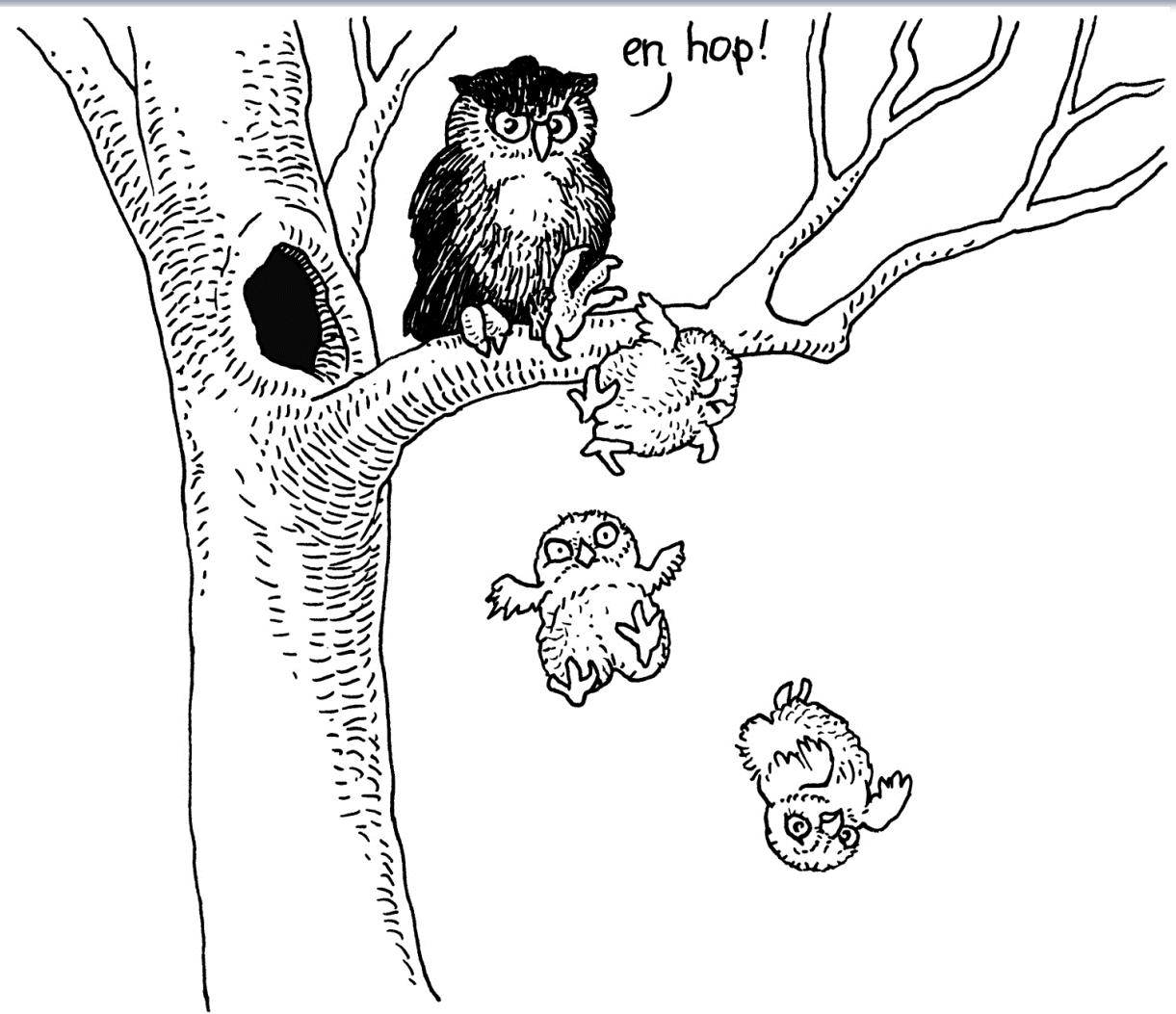
## BSAC

Journal of Antimicrobial Chemotherapy (Hybrid) USD 2800 - 3200



Open Access  
a reality  
by 2020

# Plan S



AB

- pleidooi voor snelle overstap naar 'open access' -



# Journal of Antimicrobial Chemotherapy



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# JAC

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A Journal of the British Society for Antimicrobial Chemotherapy

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