

# Biological Psychiatry

*A Journal of Psychiatric Neuroscience and Therapeutics*

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## GUIDE FOR AUTHORS

*Biological Psychiatry* is the official journal of the Society of Biological Psychiatry. The *Journal* rapidly publishes reports of novel results on a broad range of topics related to the pathophysiology and treatment of major neuropsychiatric disorders. Both basic and clinical neuroscience contributions are encouraged, particularly those addressing genetic and environmental risk factors, neural circuitry and neurochemistry, and important new therapeutic approaches.

Except where explicitly stated otherwise, *Biological Psychiatry* conforms to the guidelines set forth by the International Committee of Medical Journal Editors (ICMJE) (see Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals (December 2017): Available from <http://www.ICMJE.org>).

All new manuscripts must be submitted through the journal website: <https://www.editorialmanager.com/bps>. All correspondence should be directed to the Editorial Office at [Biol.Psych@utsouthwestern.edu](mailto:Biol.Psych@utsouthwestern.edu).

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### ARTICLE TYPES

#### Archival Reports

Archival Reports are original research papers reporting novel results on a broad range of topics related to the pathophysiology and treatment of major neuropsychiatric disorders. Clear explication of methods and results is critical to facilitate review of papers and replicability of findings.

*Word Limit:* 4000 words in main body of text\*

*Abstract:* 250 word limit; Structure as follows: Background, Methods, Results, Conclusions

*Main Text:* Structure as follows: Introduction, Methods and Materials, Results, Discussion

*Tables/Figures:* No limit, as needed

*References:* No limit, as needed

*Supplement:* Allowed, unlimited length

#### Priority Communications

These are Archival Reports that clearly document novel experimental findings of unusual and timely significance. These papers should represent a conceptual advance in the field and are not intended for publication of preliminary results. They are expected to be acceptable for publication in essentially the form submitted. Papers that require substantial revisions or do not fit the criteria will be considered as Archival Reports. See Archival Reports for structure, word length, and other requirements.

#### Reviews

Reviews are concise and focus on current aspects of interest and research. Reviews should be novel and have sufficient supporting literature, which should be integrated into a mechanistic model when applicable. Reviews should generally not focus solely on the authors' own work. Note that meta-analyses report original data and thus, are not considered review papers; meta-analyses should be submitted as Archival Reports. Unsolicited reviews may be submitted directly. Invited reviews must first complete a pre-submission evaluation and consultation process with the Reviews Editor. The Editorial Office will provide specific details and the proposal form to all invited authors when warranted.

*Word Limit:* 4000 words in main body of text\*  
*Abstract:* 250 word limit; unstructured  
*Main Text:* Structure with headings as needed  
*Tables/Figures:* Allowed to summarize or illustrate important points  
*References:* 150 maximum  
*Supplement:* Allowed, unlimited length

## Techniques and Methods

These articles feature new, improved, or noteworthy comments about techniques or methods relevant to basic or clinical research in, or treatment of, psychiatric disorders.

*Word Limit:* 3000 words in main body of text\*  
*Abstract:* 150 word limit; unstructured  
*Main Text:* Structure as follows: Introduction, Methods and Materials, Results, Discussion  
*Tables/Figures:* Maximum of two  
*References:* No limit, as needed  
*Supplement:* Allowed, unlimited length

## Correspondence

These letters to the editor are directly related to methods, procedures or interpretation of data presented in work recently published in our journal and uses new analysis of data presented, the support of previously published work, and/or scientific points to be addressed based on methodological issues. They may also present a case report that clearly and unambiguously illustrates important new principles that have not yet been demonstrated in clinical trials. When warranted, a reply from author(s) of the original work is solicited; in such cases, the editor does not issue a final decision until both articles are submitted and the pair is then published together. Correspondence is published online only as e-content.

*Word Limit:* 1000 words in main body of text\*  
*Abstract:* Not permitted  
*Main Text:* Unstructured  
*Tables/Figures:* Not encouraged, but 1-2 allowed if needed to illustrate important points  
*References:* No limit, as needed  
*Supplement:* Not permitted

## Commentaries and Editorials

These articles address points directly related to articles in the concurrent issue, and/or focus on topics of current research and interest. These are generally invited, but interested contributors may contact the Editor.

*Word Limit:* 1500 words in main body of text\*  
*Abstract:* Not permitted  
*Main Text:* Unstructured, headings are not permitted  
*Tables/Figures:* A single summarizing figure or table is encouraged  
*References:* 10 maximum  
*Supplement:* Not permitted

## Early Career Investigator Commentaries

These articles provide publishing opportunities to early career investigators (ECI), as part of a joint project between the *Journal* and the Education Committee of the Society of Biological Psychiatry. These are invited articles for which an ECI serves as the sole and corresponding author. Each ECI shall be 1) a current member of

the Society of Biological Psychiatry, 2) no more than 10 years out from terminal degree, and 3) not hold an academic faculty rank higher than Assistant Professor. A senior investigator mentors each ECI, acts as the content reviewer, and is recognized in the Acknowledgments section. ECI commentaries are published online only as e-content.

*Word Limit:* 1500 words in main body of text\*

*Abstract:* Not permitted

*Main Text:* Unstructured, headings are not permitted

*Tables/Figures:* A single summarizing figure or table is encouraged

*References:* 10 maximum

*Supplement:* Not permitted

## **Clinical Commentaries**

These invited-only commentaries are produced in collaboration with the National Neuroscience Curriculum Initiative (NNCI). Unlike regular commentaries, these articles have a specific clinical focus and are intended for a clinical audience, including medical students, residents, and clinicians. Clinical commentaries are published online only as e-content.

*Word Limit:* 1500 words in main body of text\*

*Abstract:* Not permitted

*Main Text:* Unstructured

*Tables/Figures:* A single summarizing figure or table is encouraged

*References:* 10 maximum

*Supplement:* Not permitted

\*Word limits include main text of the article only, e.g., for Archival Reports, the word count includes the Introduction, Methods and Materials, Results, and Discussion sections. When calculating word counts, exclude abstract, references, table/figure legends, acknowledgments, and disclosures.

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## **PREPARATION & FORMATTING REQUIREMENTS**

The basic elements of all submissions are as follows:

- Cover letter
- Manuscript
  - › Title page
  - › Abstract
  - › Main text of article
  - › Acknowledgments
  - › Disclosures
  - › References
  - › Legends for tables and figures
- Tables
- Figures
- Supplemental Information

Further details on each element are provided below, followed by guidance on style.

## **Cover Letter**

Cover letters are optional for all submissions. A cover letter must be uploaded as a separate file, as it is not made available to peer reviewers.

## **Manuscript**

Manuscripts should contain the following sections: title page, abstract, main article text, acknowledgments, disclosures, references, footnotes, and table/figure legends. The manuscript may also include tables, in text format, at the end of the file. Begin all sections on separate pages. The manuscript file should be supplied in Word, not in PDF.

### *Title Page*

The title page should be the first page of the manuscript file and should include the following elements:

- Full article title, 200 characters or less; acronyms/abbreviations are prohibited
- Full names of all authors, in order, and their affiliations
- Corresponding author's complete mailing address, phone, and email
- Short/running title, 55 characters or less (including spaces); standard acronyms are permitted
- Six keywords
- Number of words in the abstract
- Number of words in the main text
- Number of figures, tables, and supplemental information, each listed separately; if zero, state zero

### *Abstract*

Abstracts should be structured or unstructured according to the article type and should not exceed the word limits as detailed above. Structured abstracts should have the following sections: Background, Methods, Results, Conclusions. The Methods section should explicitly state the sample size and sex/species of subjects, when applicable. For those manuscripts that require clinical trials registration (see [Clinical Trials Registration](#) section, below), the registry name, URL, and registration number should be included at the end of the abstract. References are not permitted in abstracts. Avoid the use of abbreviations/acronyms that are not used at least three times.

### *Main Text*

The text of papers should be double-spaced and structured according to the article type. It should not exceed the word limits as detailed above. Articles reporting original research (Archival Reports, Priority Communications, Techniques and Methods) should be structured with the following headings: Introduction, Methods and Materials, Results, Discussion. The introduction should provide a brief background and state the objectives/hypotheses of the current work; it should not include the findings/results of the study. The Methods and Materials section should include sufficient detail to allow other investigators to replicate the work. It is not appropriate to move the entire text of the methods to the supplement to adhere to the *Journal's* word count limits. Manufacturer name and location should be included at first mention, where applicable. Authors may reference other publications for methods that have previously been published in full detail elsewhere. Relevant ethics statements must be included; see [Ethical Considerations](#) section, below. The Results section should clearly present the experimental findings and test statistics in a logical order. The Discussion section should describe the results, interpret them in the context of prior literature, and discuss the implications and significance of the finding(s). Limitations of the current work should also be discussed.

### Acknowledgments

This section should include detailed information regarding all sources of funding, including grant and other material or financial support. Specify granting agency, grant number, and recipient for each funding source. The role of study sponsor(s), if any, should be stated. Identify any data that was published previously, in abstract/poster form or on a preprint server. This section may also be used to acknowledge non-author contributors/collaborators and individuals who provided personal and technical assistance. If a consortium/group is listed as an author, then the individual members must be named here. Authors should secure written permission from all individuals named in this section.

### Disclosures

This section must include the required financial disclosures and conflict of interest statements for each author. Even if every author has nothing to disclose, this must be explicitly stated. See section on [Disclosure](#), below.

### References

References should be numbered and listed by their order of appearance in the text. Refer to references in the text with the appropriate number in parentheses. References in tables and figures should also be numbered. List all authors; if there are more than seven authors, list the first six then *et al.* Periodical abbreviations should follow those used by Index Medicus. It is not appropriate to reference papers that have not yet been published (i.e., are submitted or under review). The following are sample references for a published journal article (1), a book (2), and an edited book (3).

1. Krystal JH, Carter CS, Geschwind D, Manji HK, March JS, Nestler EJ, *et al.* (2008): It is time to take a stand for medical research and against terrorism targeting medical scientists. *Biol Psychiatry* 63: 725-727.
2. American Psychiatric Association (2013): *Diagnostic and Statistical Manual of Mental Disorders*, 5th ed. Washington, DC: American Psychiatric Publishing.
3. Martin JH (1985): Properties of cortical neurons, the EEG, and the mechanisms of epilepsy. In: Kandel ER, Schwartz JH, editors. *Principles of Neural Science*, 2nd ed. New York: Elsevier, pp 461-471.

The *Journal* also encourages the citation of underlying or relevant datasets in manuscripts by citing them in the text and including a data reference in the reference list. Data references should include the following elements: author name(s), dataset title, data repository, version (where available), year, and global persistent identifier. Add [dataset] immediately before the reference so that it can be properly identified as a data reference. The [dataset] identifier does not appear in published articles.

### Figure/Table Legends

Provide a brief title and legend for each figure and table. For multi-part figures, describe each panel. Avoid duplicating information in the figure/table legends that is already presented in the Methods and Materials or Results sections.

### Tables

Tables should be cited in the text and numbered consecutively (i.e., 1, 2, 3) in the order of their mention. Each table should have a title, along with a brief description (legend). Do not duplicate information that is already presented in the text. Tables must be supplied in an editable format (Word or Excel). They may either be included

at the end of the manuscript file, or uploaded individually, but not both. Table footnotes should use superscript lowercase letters, rather than symbols or bold/italic text. Colored text or shading is not permitted in tables.

## Figures

Basic figure instructions are provided here. Further details regarding electronic artwork quality and preparation can be found at <http://www.elsevier.com/artwork>.

### Key Requirements for Figures

File Formats	› TIFF, EPS, or PDF are preferred; JPEG is acceptable
Resolution	› Halftone or combination art: 300-500 dpi › Line art: 1000 dpi or supply as vector image
Image Size	› Single column width: 90 mm (255 pt) › 1.5 column width: 140 mm (397 pt) › Double column (full page) width: 190 mm (539 pt) › Note: 72 points = 1 inch
Font	› 8-12 point (minimum size variability) › Standard typeface (e.g., Arial, Times New Roman) › Consistent throughout
Multi-Panel Figures	› Label each panel/part with a capital letter (A, B, C,...)
Figure Titles/Legends	› Include in manuscript file, not in figure files
File Naming	› Use the figure number (Fig1.tif, Fig2.pdf, etc.)
Upload	› Supply as individual files (a single file for each figure)

Figures should be cited in the text, numbered consecutively (i.e., 1, 2, 3) in the order of their mention, and have brief legends. Each figure should be consistent in color, size, and font, and be designed proportionally so that it can later be sized as needed without loss of legibility or quality. Letters and numbers, in particular, should not vary greatly in size. RGB color mode is preferred over CMYK. High quality versions of each figure should be uploaded individually (i.e., two figures should be uploaded separately as Figure 1 and Figure 2). To reduce TIFF file size, flatten layers and then save with LZW compression before uploading. A minimum resolution of 300 dpi is required. Note that the quality of a low-resolution figure cannot be improved by artificially increasing the resolution in graphics software; figures must be initially created with sufficient quality/resolution. Figure titles and legends should be included as editable text in the manuscript file and not in the figure files.

Images should represent the original data and be minimally processed. Uniform adjustments (e.g., brightness, contrast) may be applied to an entire image, but individual elements of an image may not be adjusted, manipulated, or cropped in order to selectively highlight, obscure, delete, or otherwise misrepresent the image or its interpretation.

Color illustrations are accepted, although the cost of color printing must be paid by the author. Otherwise, all illustrations appear in color for the online version, but are reproduced in black and white in the print journal. Authors may supply black-and-white versions of color figures for printing purposes. Authors should be mindful of color choices that may be problematic when converted to grayscale. The addition of textures and different line types helps avoid such problems.

## Supplemental Information

Supplemental information, relevant to the work but not critical to support the findings, is strongly encouraged by the *Journal* and is made available via links in the online article but not published in print. All such material is peer-reviewed, but not typeset or proofed and so should be carefully prepared. Unlike other files, all supplemental information (including text, tables, and figures) should be uploaded in a single Word file whenever possible. Exceptions are large and/or lengthy tables, which may be submitted in Excel. Word documents will automatically be converted to PDF before being posted online.

Do not number sections of text; rather, use textual headings to clearly differentiate sections. Supplementary figures and tables should appear with their titles/legends, and be numbered consecutively (i.e., Figure S1, Figure S2, Table S1). References should be included as a separate list from those in the main manuscript; number beginning with (1) and include a reference list at the end of the supplemental document. The CONSORT diagram for randomized controlled trials, when applicable, will be published in the supplement.

### Multimedia Content

Multimedia content, in formats such as AVI or MPG, is encouraged and should be uploaded as an "e-component" in the drop-down menu at the upload screen.

### 3D Neuroimaging

The *Journal* also encourages enrichment of online articles via support of 3D neuroimaging data visualizations. Authors may provide 3D neuroimaging data in either single (.nii) or dual (.hdr and .img) NIfTI file formats. Recommended size of a single uncompressed dataset is  $\leq 100$  MB. Multiple datasets can be submitted. Each dataset should be zipped and uploaded separately as "3D neuroimaging data" in the drop-down menu at the upload screen. Please provide a short informative description for each dataset by filling in the 'Description' field when uploading a dataset. If an article is accepted, the uploaded datasets will be available for download from the online article on ScienceDirect. For more information, see: <http://www.elsevier.com/3DNeuroimaging>.

## Style

Basic style points are as follows:

Layout	<ul style="list-style-type: none"> <li>› Double-space all text</li> <li>› Number each page</li> <li>› Line numbering is not necessary</li> </ul>
Spelling	› Use American, as opposed to British, spellings
Language	› English
Font	<ul style="list-style-type: none"> <li>› Any standard typeface is acceptable (e.g., Arial, Times New Roman)</li> <li>› Be consistent throughout (use the same typeface and size)</li> </ul>
Acronyms/Abbreviations	<ul style="list-style-type: none"> <li>› Define at first use in the abstract</li> <li>› Define again at first use in the text and also in each legend</li> <li>› Avoid unnecessary/uncommon abbreviations</li> </ul>
Nomenclature	› See below

Our readership is diverse, and authors should consider that many readers are in specialty areas other than their own. It is important, therefore, to avoid jargon. Manuscripts with the broadest appeal are focused and clearly written. In highly specialized areas, the introduction should be a concise primer.

We encourage authors whose first language is not English to ask a native English speaker to review their manuscript or to use a professional language editing service prior to submission. Accepted manuscripts are copyedited to conform to the *AMA Manual of Style*.

### *Psychopharmacology Nomenclature*

*Biological Psychiatry* supports the Neuroscience-based Nomenclature (NbN) project (<http://nbnomenclature.org/>), which aims to promote the use of mechanism-based nomenclature that is pharmacologically-driven, rather than indication-based. The NbN system characterizes medications based on their pharmacological domain and mode(s) of action. Authors should use NbN's glossary or official apps in order to translate between the old and new nomenclature.

### *Gene / Protein Nomenclature*

Gene symbols should be italicized and differentiated by species. Human symbols should be all uppercase (*DISC1*), whereas symbols for rodents and other species should be lowercase using only an initial capital (*Disc1*). Protein products, regardless of species, are not italicized and use all uppercase letters (DISC1).

Authors should use approved nomenclature for gene symbols by consulting the appropriate public databases for correct gene names and symbols. Approved human gene symbols are available from HUGO Gene Nomenclature Committee (HGNC) at <http://www.genenames.org/>. Approved mouse symbols are provided by The Jackson Laboratory at <http://www.informatics.jax.org/marker/>. Use symbols (e.g., *SLC6A4*, *DISC1*) as opposed to italicized full names, and avoid listing multiple names separated by a slash, such as '*Oct4/Pou5f1*'. Use one name throughout and include any alias(es) upon the first reference. Authors should submit proposed gene names that are not already approved to the appropriate nomenclature committees as soon as possible. It is the authors' responsibility to ensure these are deposited and approved before publication of an article.

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## **SUBMISSION PROCESS**

All manuscripts must be submitted in electronic form through the *Biological Psychiatry* online submission and review website (<https://www.editorialmanager.com/bps>). Submission is a representation that all authors have personally reviewed and given final approval of the version submitted, and neither the manuscript nor its data have been previously published (except in abstract or preprint form) or are currently under consideration for publication elsewhere.

The *Journal* has created checklists to assist authors in the efficient submission of both new and revised manuscripts. They are entirely optional and intended solely to help authors adhere to our submission guidelines and save time so that submissions do not need to be returned for correction. The checklists are available here: <http://www.biologicalpsychiatryjournal.com/content/bps-submission-checklists>.

To ensure transparency, authors are expected to clearly declare other reports/publications of their own that have used the same dataset or sample. Authors must also identify figures, tables, and/or data that have been published elsewhere. It is the author's responsibility to obtain permission from the copyright holder(s) to reproduce or modify any previously published materials.

The person designated in the system as the corresponding author must be one of the individuals named as a corresponding author on the title page. Upon finalizing the submission, the corresponding author will immediately

receive an email notification that the submission has been received by the Editorial Office. If such documentation has not been received, then a problem has occurred during the submission process and should be investigated. Any manuscripts not conforming to these guidelines will be returned to the author for correction before the manuscript is processed. The manuscript status is available to the corresponding author at all times by logging into the website. The submission will receive a manuscript number once it has been processed and assigned to an editor.

## **New Submission**

When submitting a new manuscript, authors will be asked to provide the following: valid email addresses for all authors; the names, emails and affiliations of 6 individuals who would be appropriate to review the work; and all submission files. Further details are as follows.

### *New Submission Files*

To ease the burden of the submission process, we permit authors to upload the entire submission (minus a cover letter) as a single file, with pages numbered, in Word or PDF. Tables and figures may either be placed within the body of the manuscript or presented separately at the end. Authors must ensure that all elements are clearly legible for editors and peer reviewers. Alternatively, authors may upload individual files (cover letter, manuscript, figures, etc.) separately. All files should be labeled with appropriate and descriptive names (e.g., SmithText.doc, Fig1.eps, Table1.doc). The system will build a single PDF of the submission from the uploaded files. Regardless of how files are uploaded at this stage, all essential components of a manuscript are still required. See [Manuscript](#) section, above.

### *Author Notifications*

The *Journal* sends a notification to every individual named as an author upon receipt of every new submission. This email provides details of the submission, including the full author list and the text of both the acknowledgments and disclosures sections. This policy requires valid email addresses for all coauthors, which must be supplied at submission; institutional email addresses are strongly preferred. When a consortium/group is named as an author, this group must be entered as an author at the Add/Edit/Remove Author screen. An email address for the primary contact/principal investigator of the consortium/group should be supplied. The named individual should be someone responsible for the consortium/group and must be a member of this group.

### *Referee Suggestions*

For all new submissions (except Commentaries and Correspondence), authors are required to provide the full names and contact information (affiliation and email) of 6 individuals who are especially qualified to referee the work and would not have a conflict of interest in reviewing the manuscript. Affiliations of the suggested referees should all be different, and none should share an affiliation with any of the authors. Editors are not appropriate to suggest as a reviewer. Authors are also permitted to identify reviewers who should be excluded from reviewing their work, but final peer reviewer selections remain at the editors' discretion.

## **Revised Submission**

Except for the additional guidelines noted here, requirements for revised submissions are the same as for new submissions. When submitting a revised manuscript, authors are asked to provide a detailed response to reviewers, which must be uploaded as a unique Word or PDF file (separate from the cover letter). Authors may upload a 'tracked changes' version of their revision, but must always include a 'clean' non-marked version of the

manuscript. If revisions are a condition of publication, only two revised versions of the paper will be considered. Unsolicited revisions are not allowed.

### Revised Submission Files

All files (cover letter, response to reviewers, manuscript, figures, etc.) must be uploaded separately at revision, and should be labeled with appropriate and descriptive file names (e.g., SmithText.doc, Fig1.tif, Table1.doc). File format requirements are specified in the below table. The system will build a single PDF of the submission from the uploaded files. Authors should be careful to replace all files that have been updated since original submission and ensure all files are correctly labeled (particularly if figures and/or tables have been rearranged and subsequently renumbered). On the title page, update word, figure, and table counts as necessary.

### File Type Requirements

Cover Letter	Word or PDF
Detailed Response to Reviewers	Word or PDF
Manuscript	Word
Tables	Word or Excel
Figures	TIFF, EPS, or PDF
Supplement	Word

### Word Limits

*Biological Psychiatry* strictly enforces its word limits when a revised manuscript is submitted. Needing to address the reviewers' concerns is not a sufficient reason for exceeding the stated maximum word limits. We advise authors to critically evaluate their manuscripts to ensure that they are written as concisely and clearly as possible. Additionally, the *Journal* strongly encourages the use of Supplemental Information. This can be text, tables, and/or figures that are relevant to the work but not critical to support the findings. Supplemental Information is published online, but does not appear in print and therefore, does not count against the word limits.

### In This Issue Feature

The submission of revised manuscripts (except Commentaries and Correspondence) requires a new unique file with a brief non-technical summary of the article. The blurb should be uploaded as a text file, 50-75 words in length, and be written in laymen's terms. Should the article be accepted for publication, this summary will be used for the *In This Issue* feature when the article is published.

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## PEER REVIEW PROCESS

All submissions (with the general exception of Editorials, Commentaries, and Correspondence) will be subject to blinded peer review. The actual selection of reviewers will be made by the editors. As a general rule, papers will be evaluated by three or more independent reviewers and, on occasion, an additional review for statistical adequacy may also be obtained. The comments of the reviewers are generally communicated to the authors within 30-45 days of submission.

*Biological Psychiatry* excludes reviewers who work at the same institution as any author, or those who have any other obvious conflict of interest. The identity of individual reviewers remains confidential to all parties except

the Editorial Office. Reviewers are expected to treat manuscripts under peer review with the strictest confidentiality.

Authors should be aware that manuscripts may be returned without outside review when the editors deem that the paper is of insufficient general interest for the broad readership of *Biological Psychiatry*, or that the scientific priority is such that it is unlikely to receive favorable reviews. Editorial rejection is done to speed up the editorial process and to allow the authors' papers to be promptly submitted and reviewed elsewhere.

*Biological Psychiatry* is a member of the Neuroscience Peer Review Consortium, an alliance of neuroscience journals that have agreed to accept manuscript reviews from each other. Authors may submit a revision of their manuscript to another Consortium journal, and, at the author's request, *Biological Psychiatry* will forward the peer reviews to that journal. Authors can find a list of Consortium journals and details about forwarding reviews at <http://nprc.incf.org>.

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## **EDITORIAL POLICIES**

### **Authorship**

To qualify for authorship, an individual must have participated sufficiently in the work to take public responsibility for all or part of the content, given final approval of the submitted version, and made substantive intellectual contributions to the submitted work in the form of: 1) conception and design, and/or acquisition of data, and/or analysis of data; and 2) drafting the article, and/or revising it critically for important intellectual content. Authorship also requires agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved. All individuals who meet criteria for authorship must be named as authors, and all individuals named as authors must meet all authorship criteria. If authorship is attributed to a group (either solely or in addition to 1 or more individual authors), all members of the group must meet the full criteria and requirements for authorship as described above. Any changes in authorship after initial submission (additions, deletions, reordering) must be approved in writing by all authors.

The *Journal* permits shared/joint authorship in either the first or senior positions. Authors may denote on the title page which authors contributed equally and, should the article be accepted for publication, a notation will be included in the published paper.

### **Corresponding Author**

By electing to approve and finalize the submission of a manuscript as the corresponding author, *Biological Psychiatry* assumes the author's acknowledgment and acceptance of the following responsibilities: 1) act as the sole correspondent with the Editorial Office and the publisher, Elsevier, on all matters related to the submission, including review and correction of the typeset proof; 2) assurance that all individuals who meet the criteria for authorship are included as authors on the manuscript title page, and that the version submitted is the version that all authors have approved; and 3) assurance that written permission has been received from all individuals whose contributions to the work are included in the Acknowledgments section of the manuscript.

Although a single person must serve as the corresponding author and be responsible for the manuscript from submission through acceptance, we do permit two individuals to be named as contacts in the final, published

version of a paper. This may be noted on the title page of the paper and, should the article be accepted for publication, both individuals will be named in the published paper.

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