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Presubmission Inquiries

If you wish to submit a Research Report to *JNeurosci* and would first like to have an editor review whether your work may be suitable for *JNeurosci*, you have the option to submit a presubmission inquiry via our submission system. Please click the button below to proceed to the screen where you can submit your Presubmission Inquiry. Be sure to include a cover letter addressed to "the Editors," information on all authors, an abstract, and a significance statement.

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Types of Articles

Research Articles

JNeurosci publishes research reports which are restricted to 650 word Introductions and 1500 word

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Journal Clubs are scholarly reviews of papers recently published in *JNeurosci*. Only graduate students and post-docs may be authors on Journal Club articles.

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JNeurosci publishes four types of invited articles, which appear in the Features section at the front of each issue. TechSights provide overviews of technical developments in neuroscience, including where we are with the technology and where we want to go. Dual Perspectives are pairs of short, expert mini reviews that provide opposite and/or complementary hypotheses related to an important question in neuroscience. Viewpoints are topical reviews, generally 3,000-5,000 words in length, that cover a current topic of interest in neuroscience. Progressions explores scientific journeys that have commenced with papers published in *The Journal of Neuroscience*.

This Week in the Journal

This Week in the Journal highlights articles from different sections of the current issue and is written by the Features Editor. Guided by reviewers' comments, the editors select important articles covering the full range of topics in neuroscience.

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Policies

In submitting a manuscript to *JNeurosci*, all authors must agree to abide by all relevant Society for Neuroscience policies, including its Guidelines for Responsible Conduct Regarding Scientific Communication. Manuscripts with multiple authors are reviewed with the explicit understanding that all authors have seen and approve of the submitted version and agree to abide by the Society's policies.

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Authors of papers that include proteomics data should comply with the guidelines developed by Molecular and Cellular Proteomics (http://www.mcponline.org/site/misc/CheckList.pdf).

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Scale bars: All illustrations documenting results must include a bar to indicate the scale.

Molecular weights and fragment sizes: The migration of protein molecular weight size markers or nucleic acid size markers must be indicated and labeled appropriately (e.g., 'kD', 'nt', 'bp') on all figure panels showing gel electrophoresis.

Policy on Reporting Experimental Design and Statistical Analysis

Starting March 2017. Every manuscript must include an Experimental Design and Statistical Analysis section as a subsection of the Materials and Methods that describes the experimental design and the statistical tests used in the study. Note that a good time to consult a statistician is when planning the study and planning the experimental design. This new section replaces the traditional Statistical analysis section at the end of the Material and Methods section.

Full details of the experimental design of each individual experiment, including the within- and between-subjects factors and a full description of critical variables required for independent replication (e.g. number of animals of each sex, number of brain slices or cells evaluated per animal, number of litters for developmental studies, etc. and justification of sample size used) should be reported in the Experimental Design and Statistical Analysis section. It is critical to control for multiple comparisons and to note in the text how this has been achieved

Authors should identify the precise statistical tests used in the Experimental Design and Statistical Analysis

section. In addition, planned comparisons, details of controls and power analyses to determine sample sizes, if applicable should be reported. Describe any statistical software used to perform analyses. For highly complex and heterogeneous statistical analyses, rather than providing a list, this section can refer to where details can be found (e.g. "Statistical design for Experiment 1 can be found in the Results describing Figure 2").

Complete results of the statistical analyses, including degrees of freedom and any estimates of effects size, should be reported in full in the Results section. Report exact p values rather than ranges (e.g. p = 0.026 rather than p < 0.05). There are many types of analyses that can be reported, but examples include F values ($F(1, 72) = 14.5$, p = 0.003, ANOVA), t values ($t(10) = 2.98$, p = 0.043, paired t-test), coefficient of determination (R^2), and Bayes factors.

The Journal of Neuroscience encourages authors to report all data in addition to traditional line and bar graphs, using histograms, scatter plots or other means to represent the variability and complexity of the data.

If the raw data are freely available please state this and how to find them. In addition, if you have pre-registered your study, please state that in the Experimental Design.

The following resources offer helpful guidelines on how to report statistical results:

- Hesson-McInnis, American Psychological Association. (2010) Publication manual of the American Psychological Association (6th ed.). Washington, DC. http://my.ilstu.edu/~mshesso/apa_stats.htm
- Curran-Everett & Benos Guidelines for reporting statistics in journals published by the American Physiological Society. Physiological Genomics (2004) 18(3): 249-251 http://physiolgenomics.physiology.org/content/18/3/249
- Sarter M, Fritschy JM. Reporting statistical methods and statistical results in EJN. Eur J Neurosci. 2008 Dec;28(12):2363-2364

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Dr. Marina R. Picciotto
Editor-in-Chief, *JNeurosci*

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