

Neuron Glia Biology

AIMS AND SCOPE

Neuron Glia Biology publishes high-quality original research articles reporting significant findings in the field of neuron–glia interactions, but reviews and concise summaries of relevant research are welcome. The scope of interest encompasses studies on cell–cell communication between cells in the brain and peripheral nervous system, including glial–glial, neuron–neuron, neuro–glia vascular or immune system interactions. Studies of cellular or molecular mechanisms of cell–cell communication during development, information processing, and disease, via diffusible messenger molecules, growth factors and cytokines, membrane receptors, channels and transporters, cell adhesion and extracellular matrix molecules are of interest. Methodological approaches including ultrastructure, live cell imaging, electrophysiology, biochemistry, molecular biology, transplantation, to investigate such biological processes as synaptogenesis, synaptic plasticity, nervous system development, morphogenesis, process outgrowth and regeneration, information processing, myelination, and activity-dependent communication between neurons and non-neuronal cells are appropriate. Research studies with medical implications are welcome, provided they are based on new findings in basic science. Issues are printed on a bimonthly interval, and individual papers are published continuously on-line ahead of print. There are no figure or page charges.

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Title page. The title should be concise, informative, and free of abbreviations, chemical formulae, technical jargon, and esoteric terms. This page should include (a) the article's full title, (b) full names and affiliations of all authors, (c) the name, mailing address, email address and telephone number of the corresponding author, (d) the address for reprint requests if different from that of the corresponding author and (e) a list of the number of manuscript pages, number of tables, and number of figures.

Abstract: A summary of less than 200 words communicating the primary findings and significance of the research.

Key words: Up to five words for the purposes of indexing, which are not included in the title.

Introduction: State the relevant background to the study to provide the necessary information and context to enable non-specialists to appreciate the objectives and significance of the paper.

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Conclusions: The main conclusions that obtain directly and unambiguously from the results should be provided in one to four sentences in outline form. Each conclusion is listed as a declarative sentence in a bulleted paragraph, with one sentence for each conclusion. These should be presented as a simple statement by the author of the facts obtained from the results, without any interpretation, extrapolation, or equivocation.

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Acknowledgments. Use a separate page to recognize the contributions of individuals and supporting institutions.

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Examples:

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Dudek, S.M. and Fields, R.D. (2002) Somatic action potentials are sufficient for late-phase LTP-related cell signaling. *Proceedings of the National Academy of Sciences* **99**, 3962–3967; doi: 10.1073/pnas.062510599.

Book chapter

Sanes, J. R. & Scheller, R. H. (1997) Synapse formation: a molecular perspective. In Cowan, W. M., Jessell, T. M. & Zipursky, S. L. (eds) *Molecular and Cellular Approaches to Neural Development*. Oxford University Press, pp.179–219.

Book

Cowan, W. M., Jessell, T. M. & Zipursky, S. L. (eds) (1997) *Molecular and Cellular Approaches to Neural Development*. Oxford University Press.

Work in press

As above, but no year of publication or volume number.

Bailey, A. Function of galectins. *Science* (in press).

Theses

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Hagge, D. A. (2001) An improved *in vitro* model for the study of *Mycobacterium leprae*/Schwann cell interactions. PhD Thesis, Louisiana State University.

Abstracts

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Chalal, Y., Rouach, N., Pébay, A., Mème, W., Cordier, J., Glowinski, J., Giaume, C. & Tencé, M. (2002) Shingosine-1-phosphate, a novel inhibitor of gap junctional communication in striatal astrocytes. *FENS Abstracts* vol. 1, A182.7, p. 458.

Web sites

Supplemental data for Stevens *et al.* (2002). <http://www.neuron.org/cgi/content/full/36/5/855/DC1/>

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