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DESCRIPTION

Neuroscience Informatics is a peer-reviewed gold open-access journal, in the fields of brain sciences, imaging and natural/engineered computational systems. The journal builds a **bridge between medical and technical disciplines** and encourages development activities and research in an international environment. The **focus** is on **interdisciplinary, translational, and technical research** that constitute the field of **brain informatics** or that are **driven by imaging**. The journal aims to profile topics relating to digital imaging methods and computer-assisted diagnostic and therapeutic workflows. One central focus is on new diagnostic and therapeutic processes that are facilitated by computer-assisted radiology and surgery. *Neuroscience Informatics* also welcomes submissions on **communication technology, information sciences**, as well as **clinical applications**:

Neurosciences disciplines of interest Neurology Neurosurgery Neurointerventional surgery/radiology Neuroradiology Neurocritical care and emergency medicine Fundamentals Education and training

Informatics fields concerned Information processing and computer-driven systems Big-data analytics Informatics paradigms Brain-inspired computation & Brain/machine interfaces Modeling approaches Massive structured datasets Evaluation of available software tools Artificial intelligence Medical imaging, digital imaging methods Image processing, analysis and display Computer applications for clinical or surgical practice Image-guided therapy Robotics, instrumentation and navigation Algorithmic and/or statistical methods

Neurosciences informatics presents results from these areas in original papers, review articles and short communications. This research must advance the understanding of a neurological condition or surgical/medical treatment and contribute to improving computer assisted radiology and surgery-supported procedures in clinical practice. 4 issues/year

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GUIDE FOR AUTHORS

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[3] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

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[4] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

Reference to a website:

[5] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

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Reference to software:

[7] E. Coon, M. Berndt, A. Jan, D. Svyatsky, A. Atchley, E. Kikinzon, D. Harp, G. Manzini, E. Shelef, K. Lipnikov, R. Garimella, C. Xu, D. Moulton, S. Karra, S. Painter, E. Jafarov, S. Molins, Advanced Terrestrial Simulator (ATS) v0.88 (Version 0.88), Zenodo, March 25, 2020. <https://doi.org/10.5281/zenodo.3727209>.

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