**DESCRIPTION**

**Announcement**

Brain Stimulation will become gold open access!

At Elsevier, our goal is to provide researchers with flexible and high-quality publication options. As part of that ongoing commitment, we have been reviewing our current titles to ensure they reflect the changing needs of our authors and readers.

Therefore, we are pleased to inform you that as of January 1st, 2020 Brain Stimulation will become an open access journal with no subscription charges.

Authors who publish in Brain Stimulation can make their work immediately, permanently, and freely accessible to researchers worldwide. Brain Stimulation authors will pay an article publishing charge (APC), have a choice of license options, and retain copyright to their published work.

The APC will be requested after peer review and acceptance and will be required for all accepted articles submitted after December 31st, 2019. The APC for Brain Stimulation is US$3000 (excluding any taxes).

**Please note:**

Authors who submit papers on or before December 31st, 2019 will have their accepted paper published in Brain Stimulation at no charge.

Brain Stimulation is also offering a 25% discount off the open access publication fee in 2020. For all articles submitted on or before December 31st, 2020, the open access publication fee is US$2250, excluding taxes.

**About Brain Stimulation**

Brain Stimulation publishes on the entire field of brain stimulation, including noninvasive and invasive techniques and technologies that alter brain function through the use of electrical, magnetic, radiowave, or focally targeted pharmacologic stimulation. Brain Stimulation aims to be the premier journal for publication of original research in the field of neuromodulation. The journal includes: a) Original articles; b) Short Communications; c) Invited and original reviews; d) Technology and methodological perspectives (reviews of new devices, description of new methods, etc.); and e) Letters to the Editor. Special issues of the journal will be considered based on scientific merit.
The scope of *Brain Stimulation* extends across the entire field of **brain stimulation**, including **noninvasive** and **invasive techniques** and technologies that alter **brain function** through the use of electrical, magnetic, radiowave, or focally targeted **pharmacologic stimulation**. This includes investigations that study the effects of brain stimulation on basic processes, such as gene expression and other aspects of molecular biology, neurochemical regulation, functional brain activity, sensorimotor function, and cognitive and affective processes at the systems level.

The journal seeks the highest level of research on the biophysics and biopsychophysics of stimulation paradigms as well as the use of these techniques as a probe to outline patterns of **neural connectivity**. As an equal partner with this basic emphasis, the journal will have strong representation of research on the therapeutic potential and adverse effects of the stimulation technologies. The inclusion of research in therapeutics will represent not only clinical trials, but also conceptual pieces, discussions of ethics as they pertain to this field, services research, etc.

**AUDIENCE**

Psychiatrists, neuroscientists, neurologists, surgical neurologists

**IMPACT FACTOR**

2018: 6.919 © Clarivate Analytics Journal Citation Reports 2019

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ANNOUNCEMENT

Brain Stimulation will become gold open access! At Elsevier, our goal is to provide researchers with flexible and high-quality publication options. As part of that ongoing commitment, we have been reviewing our current titles to ensure they reflect the changing needs of our authors and readers. Therefore, we are pleased to inform you that as of January 1st, 2020 Brain Stimulation will become an open access journal with no subscription charges. Authors who publish in Brain Stimulation can make their work immediately, permanently, and freely accessible to researchers worldwide. Brain Stimulation authors will pay an article publishing charge (APC), have a choice of license options, and retain copyright to their published work. The APC will be requested after peer review and acceptance and will be required for all accepted articles submitted after December 31st, 2019. The APC for Brain Stimulation is US$3000 (excluding any taxes). Please note: Authors who submit papers on or before December 31st, 2019 will have their accepted paper published in Brain Stimulation at no charge. Brain Stimulation is also offering a 25% discount off the open access publication fee in 2020. For all articles submitted on or before December 31st, 2020, the open access publication fee is US$2250, excluding taxes. About Brain Stimulation Brain Stimulation publishes on the entire field of brain stimulation, including noninvasive and invasive techniques and technologies that alter brain function through the use of electrical, magnetic, radiowave, or focally targeted pharmacologic stimulation.

INTRODUCTION

BRAIN STIMULATION aims to be the premiere journal for publication of original research in the field of neuromodulation. The purview extends across the entire field of brain stimulation, including noninvasive and invasive techniques, and technologies that alter brain function through the use of electrical, magnetic, radiowave, or focally targeted pharmacological stimulation. BRAIN STIMULATION encourages manuscripts describing the effects of brain stimulation on basic processes, such as gene expression and other aspects of molecular biology, neurochemical regulation, functional brain activity, sensorimotor function, or cognitive and affective processes at the systems level. Likewise, BRAIN STIMULATION seeks the highest level of research on the biophysics and biopsychophysics of stimulation paradigms, as well as the use of these techniques as a probe to outline patterns of neural connectivity. As an equal partner with this basic emphasis, the journal encourages a strong representation of research on the therapeutic potential and adverse effects of the stimulation technologies. The Editors encourage clinical manuscripts not only describing clinical trials, but also conceptual pieces, discussions of ethics as they pertain to this field, or services research.

Article types

All manuscripts considered suitable for the Journal are strictly refereed. BRAIN STIMULATION can only accept about 20% of submitted manuscripts, and we strive for quick, competent reviews. Therefore all manuscripts are first reviewed in-house by senior editors and about 50% of submissions are rejected, usually within 7-10 days of submission. The others are sent out for review, with comments back to authors averaging 30 days from submission. Articles are accepted with the understanding that they are original contributions submitted solely to BRAIN STIMULATION and are not under consideration for publication elsewhere. Prior presentation of the research at meetings is acceptable, but the meeting presentations should be noted on the title page. Original research (including clinical reports and review articles), techniques and methods, short communications (including relevant preliminary research reports) and letters to the editor may be submitted. Due to increased competition for space within the Journal, we encourage all case series and case reports to be submitted as letters to the editor. Once published, letters are fully citable and are identified on search engines such as Medline. Please conform to the following guidelines for each article type (word limits include only the body text and do not include the abstract or references): Original Research (includes clinical reports, review articles) • 4,000 word limit (not including abstract/references/title page)
• Abstract of up to 250 words (not including abstract/references/title page)(see formatting requirement for abstracts below)

Techniques and Methods (feature new, improved, or noteworthy comments about brain stimulation techniques or methods) • 1,500 word limit (not including abstract/references/title page)
• 150 word abstract
• maximum 2 figures
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• 150 word abstract  
• 1 figure or table

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State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

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Provide sufficient details to allow the work to be reproduced by an independent researcher. Methods that are already published should be summarized, and indicated by a reference. If quoting directly from a previously published method, use quotation marks and also cite the source. Any modifications to existing methods should also be described.

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Results should be clear and concise.

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This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

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The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

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**Structured abstract**

A structured abstract, by means of appropriate headings, should provide the context or background for the research and should state its purpose, basic procedures (selection of study subjects or laboratory animals, observational and analytical methods), main findings (giving specific effect sizes and their statistical significance, if possible), and principal conclusions. It should emphasize new and important aspects of the study or observations.

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**Examples**

*Biochimica et Biophysica Acta (BBA), Bioenergetics, Volume 1807, Issue 10, October 2011, 1364-1369*
**Highlights** A conformational two-state mechanism for proton pumping complex I is proposed. The mechanism relies on stabilization changes of anionic ubiquinone intermediates. Electron-transfer and protonation should be strictly controlled during turnover.

Learning and Instruction, Volume 21, Issue 6, December 2011, 746-756

**Highlights** Fading of a script alone does not foster domain-general strategy knowledge. Performance of the strategy declines during the fading of a script. Monitoring by a peer keeps performance of the strategy up during script fading. Performance of a strategy after fading fosters domain-general strategy knowledge. Fading and monitoring by a peer combined foster domain-general strategy knowledge.

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Immediately after the abstract, provide a maximum of 6 keywords, using American spelling and avoiding general and plural terms and multiple concepts (avoid, for example, 'and', 'of'). Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.

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**Acknowledgements**
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- References are in the correct format for this journal
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- All text is double-spaced throughout
Template and format for letters to the editor regarding TMS-related spells (seizures, syncopal episodes)

In an effort to encourage full and efficient reporting of all TMS-related seizure events or spells, Brain Stimulation has set up a simple method for publishing these events. Authors should follow the following format, adding in the pertinent information if available. Before preparing the letter to the editor regarding the seizure, we encourage authors to download and view the web-video distinguishing syncope from seizures, available at www.brainstimjrnl.com/content/mmc_library.

Dear Editor:

We report the following TMS-related seizure or spell. The subject was a xx year old man/woman with the following diagnoses (healthy control, xx disease). The patient had the following risk factors (prior closed head injury, loss of consciousness, history of seizures or febrile seizures, family history of epilepsy). He/she was taking the following medications (list generic drugs and doses). On the day of the event, the subject had the following additional risk factors (change in sleep pattern, sleep deprivation, change in medication, occult drug use, high doses of caffeine, etc.).

We were delivering the TMS in the following manner - coil type (round, figure eight), coil location, TMS machine manufacturer, orientation of coil, biphasic or uniphasic pulse, intensity related to motor threshold, method of motor threshold determination (active, resting, EMG, visual), frequency, length of train, intertrain interval, total number of pulses in a session, number of sessions.

The event occurred x minutes into the YY train for this patient on the ZZ day of stimulation. The subject was sitting, standing, seated, upright, supine, etc. The setting was a research lab, clinical delivery suite, other. The TMS operator first noted (describe any movements, where, type, vocalizations, head turning, eye turning). The TMS operator had the following training regarding seizures. The movements lasted for XX minutes. We did the following (passive support, starting IV, administering medications). The subject had urinary, fecal incontinence, post-ictal confusion lasting xx minutes or hours, tongue biting, other physical trauma. The seizure self-terminated or stopped after xx intervention. During the event it was possible/not possible to check pulse and blood pressure, which were XX.

A general neurologic exam and mental status exam was performed by XX, with what type of training, xx minutes after the event and the following was noted. These labs were drawn and were normal/abnormal (electrolytes, calcium, prolactin) or whatever. An EEG was done/not done and revealed the following (...). A brain CT/MRI revealed the following (...). There were/were not sequela. The patient was retreated with TMS (or not).

The clinical diagnosis of this event was TMS-related seizure, TMS-related syncope, other. The specific reasons for favoring this choice among the possible differential diagnoses were XX. This event is also listed in the following publication. This event was also reported to the FDA or other safety body.

Name of investigator and location of where the seizure occurred.

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