EXPERIMENTAL BRAIN RESEARCH would like to put out a call for papers for three upcoming Special Issues:

Call for Papers for the Special Issue "Perceiving transformed movements when using tools" (Guest Editors: Sandra Sülzenbrück and Christine Sutter)

Submission Deadline: 31 October 2011

The special issue "Perceiving transformed movements when using tools" invites the submission of empirical papers on tool use, with the open call specifically addressing issues in neuropsychology and neurosciences, medical sciences, and ethology. The aim of the special issue is to foster the understanding of the perception and action mechanisms underlying the mastery of sensorimotor transformations by presenting research on healthy and neurologically impaired humans as well as on primates. Papers addressing basic research questions and/or applied issues are both welcome.

Call for Papers for the Special Issue "Serotonin in the pathophysiology and treatment of CNS disorders" (Guest Editor: Giuseppe Di Giovanni)

Submission Deadline: 1 February 2012

Authors are invited to submit original research on the topic of "Serotonin in the pathophysiology and treatment of CNS disorders." This special issue will also include authoritative, state-of-the-art review articles on the relation of serotonin to the following: sleep disorders, epilepsy, Parkinson's disease, schizophrenia, depression and anxiety, learning disorders, drug addiction, eating behavior, and cognitive disorders.

Call for Papers for the Special Issue "Volition" [Editors: Patrick Haggard (UCL) and Hakwan Lau (Columbia)]

Submission Deadline: 31 August 2012

There has been an explosion of scientific interest in the capacity of the human mind/brain to initiate voluntary action. Improved neurophysiological techniques and experimental designs have made the problem of "free will" not just a philosophical puzzle, but a topic of experimental scientific investigation. This special issue will bring together some of the many relevant but diverse approaches to volition in action, and showcase the best scientific advances that can be achieved with an experimental approach to the problem. Experimental Brain Research has a long tradition of publishing on this question, so it is an appropriate venue. The special issue will be organised into the following sections, each led by an invited review from an acknowledged expert.

- Neurophysiological studies of the mechanisms of volition in animals
- Neurological studies of deficits in voluntary action control in patients
- Behavioural studies on cognitive and psychological mechanisms of volition
- Human neuroimaging studies of brain processes involved in voluntary action

We therefore invite submission of experimental papers in the general area of volition and control of voluntary action. Submissions in the above four areas are particularly invited, but novel or cross-cutting papers will also be considered. Review papers, purely theoretical papers without new data, and papers that focus entirely on descriptions of behaviour, without considering mechanisms that generate volitional behaviour, will not be considered.

Papers should be submitted via the Experimental Brain Research website (www.springer.com/221):

- Go to this page and click on the "Submit Online" tab in the right-hand column.
- This will take you to EBR’s online submission system.
- After you register or log in, you can begin the step-by-step process of uploading your paper.
- Under Pt. 1 of this process, please choose as "Manuscript Type" Volition (special issue, Haggard/Lau) (currently the bottom-most selection in the drop-down menu).

In the event that the special issue is over-subscribed, the editors may recommend that high-quality papers be published elsewhere in Experimental Brain Research. Publication cannot, of course, be guaranteed.