CALL FOR PAPERS

Special issue on
"Advances in System Cell Engineering by Multiscale Manipulation"

in Journal of Robotics and Mechatronics Vol.22 No.5 (Octorber 20, 2010)

Editor: Toshio Fukuda, Nagoya University, Japan
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Recent advances in micro and nano robotics and mechatronics have led to the discovery of new bioscientific knowledge and the development of new methods of medical treatments and examinations. Scientific Research on Priority Areas, "System Cell Engineering by Multiscale Manipulation (Head Investigator: Toshio Fukuda)," was begun in 2005 to promote interdisciplinary research among the engineering, biological, and medical fields and to promote further progress in these fields. System cell engineering seeks to understand communication and control principles of a single cell focusing on multiscale manipulation – manipulation ranging from nano-scale to macro-scale. By controlling the local environment around a single cell, we actively induce chemical and physical interaction inside and outside the cell and measure changes. Using innovative engineering, we obtain new scientific knowledge on life sciences and develop medical engineering, ultimately contributing to the good of society. As a follow-up to the special issue on System Cell Engineering by Multiscale Manipulation in Journal of Robotics and Mechatronics Vol.19, No.5 (October 20, 2007), we are putting a call for papers on new technology and applications in system cell engineering and multiscale manipulation.

Important Dates:

Submission Deadline:	**February 20, 2010**
Notification of Acceptance/Rejection:	**June 20, 2010**
Final Manuscript Submission:	**July 20, 2010**

Submission/Contact to:

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Papers should be submitted in Microsoft Word or PDF format. Details on submission and the journal can be found at the following link: http://www.fujipress.jp/JRM/