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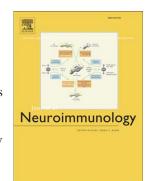
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CCEPTED MANUSCRIPT

Systemic Staphylococcus aureus infection in restraint stressed mice modulates

impaired immune response resulting in improved behavioural activities

Sayantika Mahanti<sup>a</sup>, Arnab Majhi<sup>a</sup>, Kiran Kundu<sup>b</sup>, Anirban Basu<sup>b</sup>, and Biswadev Bishayi<sup>a</sup>\*

<sup>a</sup> Department of Physiology, Immunology laboratory. University of Calcutta, University Colleges

of Science and Technology, 92 APC Road, Calcutta-700009, West Bengal, India.

<sup>b</sup> National Brain Research Centre, Manesar, Haryana 122051, India.

\*Corresponding Author:

Prof. Biswadev Bishayi, Ph.D.

Telephone No: 91-33-2350-8386 Extn: 225

Fax: 91-33-2351-9755

E mail: biswadevbishayi4@gmail.com

**Abbreviations:** 

HPA, hypothalamus-pituitary-adrenal; COX, Cyclooxygenase; iNOS, inducible nitric oxide

synthase; HSP, heat shock proteins; SOD, super oxide dismutase; GC, glucocorticoids; LPS,

lipopolysaccharides; IAEC, Institutional Animal Ethics Committee; CFU, colony forming units;

TSST, toxic shock syndrome toxin; PBS, phosphate buffered saline; AChE, acetylcholine

esterase; MPO, myeloperoxidase; GSH, reduced glutathione.

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