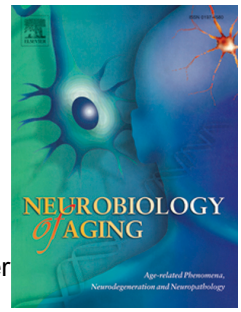
Accepted Manuscript



Nonsteroidal anti-inflammatory drug, indomethacin improves spatial memory and NMDA receptor function in aged animals

Ashok Kumar, Asha Rani, Rachel B. Scheinert, Brandi K. Ormerod, Thomas C. Foster

PII: S0197-4580(18)30231-8

DOI: 10.1016/j.neurobiolaging.2018.06.026

Reference: NBA 10298

To appear in: *Neurobiology of Aging*

Received Date: 6 March 2018

Revised Date: 4 June 2018

Accepted Date: 19 June 2018

Please cite this article as: Kumar, A., Rani, A., Scheinert, R.B., Ormerod, B.K., Foster, T.C., Nonsteroidal anti-inflammatory drug, indomethacin improves spatial memory and NMDA receptor function in aged animals, *Neurobiology of Aging* (2018), doi: 10.1016/j.neurobiolaging.2018.06.026.

Nonsteroidal anti-inflammatory drug, indomethacin improves spatial memory and NMDA receptor function in aged animals

Ashok Kumar[1], Asha Rani[1], Rachel B. Scheinert[1,2], Brandi K. Ormerod[1,2], and Thomas C. Foster[1]

[1]Department of Neuroscience and McKnight Brain Institute and [2]J. Crayton Pruitt Family Department of Biomedical Engineering, University of Florida,

Gainesville, FL 32610

Running title: Inflammation and aging hippocampal function

Key words: Aging, indomethacin, spatial memory, NMDA receptor, LTP, redox

Pages: 33

Figures: 8

Words in the abstract: 241

Words in the introduction: 353

Words in the discussion: 1038

Correspondence:

Thomas C. Foster, Ph.D.
Ashok Kumar, Ph.D.
Department of Neuroscience, McKnight Brain Institute
University of Florida
PO Box 100244
Gainesville, FL 32610-0244, USA.
Phone (352) 392-4085
Fax (352) 294-8347
Email: Foster1@ufl.edu
Kash@ufl.edu