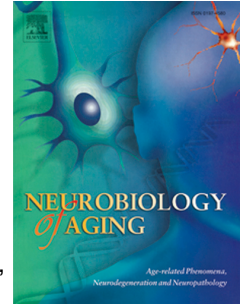


Accepted Manuscript

Alterations of functional circuitry in aging brain and the impact of mutated APP expression

Elaine L. Bearer, Brett C. Manifold-Wheeler, Christopher S. Medina, Aaron Gonzales, Frances Chaves, Russell E. Jacobs



PII: S0197-4580(18)30223-9

DOI: [10.1016/j.neurobiolaging.2018.06.018](https://doi.org/10.1016/j.neurobiolaging.2018.06.018)

Reference: NBA 10290

To appear in: *Neurobiology of Aging*

Received Date: 31 March 2017

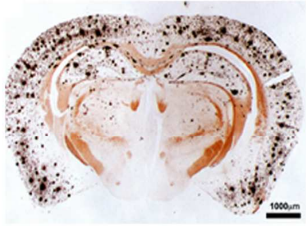
Revised Date: 17 June 2018

Accepted Date: 18 June 2018

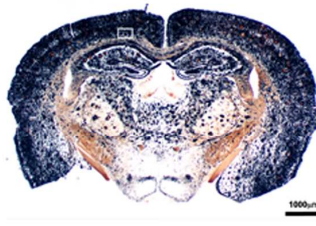
Please cite this article as: Bearer, E.L., Manifold-Wheeler, B.C., Medina, C.S., Gonzales, A., Chaves, F., Jacobs, R.E., Alterations of functional circuitry in aging brain and the impact of mutated APP expression, *Neurobiology of Aging* (2018), doi: [10.1016/j.neurobiolaging.2018.06.018](https://doi.org/10.1016/j.neurobiolaging.2018.06.018).

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

A. A β accumulates during aging.

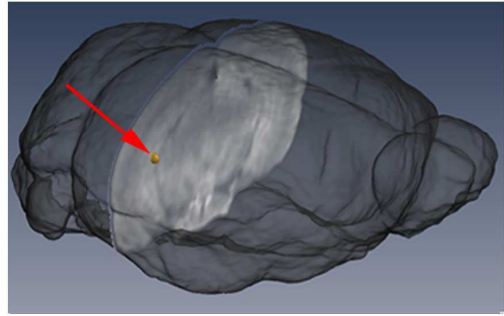


Young APPSwInd

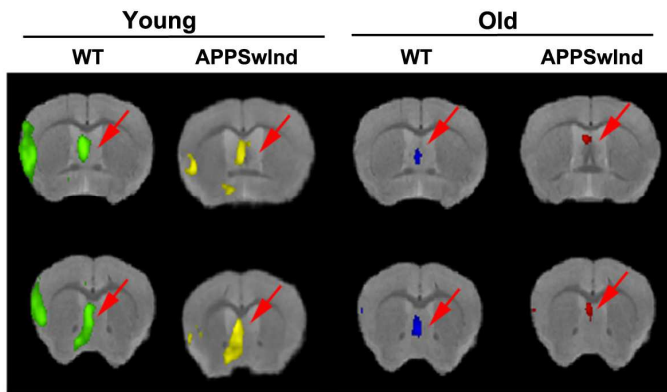


Old APPSwInd

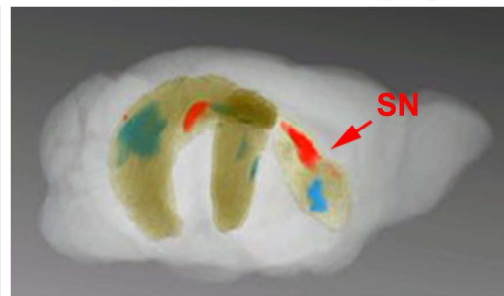
B. Mn²⁺ injected into CA3 of the right hippocampus in an MR image.



C. Mn²⁺ transports to septal nuclei (arrows) differently in young versus old mice.



D. Mn²⁺ accumulates differently in septal nuclei (SN) of old mice: WT (blue) and APPSwInd (red).



See Supplemental Video.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6802867>

Download Persian Version:

<https://daneshyari.com/article/6802867>

[Daneshyari.com](https://daneshyari.com)