THE UNIVERSITY OF TENNESSEE
HEALTH SCIENCE CENTER.

COLLEGE OF GRADUATE HEALTH SCIENCES

ET/D Declaration of Authorship

Xian Han

November 2022

Declaration for Entire ET/D

In accordance with the University of Tennessee Health Science Center Honor Code and the requirements for integrity and honesty laid out in the College of Graduate Health Sciences' Electronic Thesis & Dissertation (ET/D) Learning Portal, I (named above), declare that this thesis/dissertation titled "Exploring Risk Factors of Alzheimer's Disease Using Mouse Models" and the work presented therein are my own. I confirm that:

- This work was done wholly or mainly while being a candidate for a terminal degree at the University of Tennessee Health Science Center.

- There is clear and full disclosure in the thesis/dissertation for any part that was previously submitted for a degree or any other qualification at this University or any other institution or that has been accepted for publication.

- Where I used the published or unpublished work of others, this is clearly attributed.

- Where I have quoted or paraphrased text or have reprinted or modified images, tables, or other data from the work of others, the source is always given, and quotation marks are used for text, following fair use guidelines. Except for such acknowledged instances, this thesis/dissertation is entirely my own work.

- I have acknowledged all other main sources of help (e.g., lab assistance, joint work on projects, consultations/discussions with colleagues/experts, funding).

- Where the thesis/dissertation is based on work done jointly with others, I have made clear what was done by others and what I contributed.

Junmin Peng, Ph.D.
Advisor

_____
Digital reply with confirmation.

Declaration for Previously Published Articles with Several Authors Incorporated into the ET/D (including in press and accepted articles)

If this declaration is not applicable, please indicate NA here:

Articles with several authors incorporated into my ET/D and my contributions to them:

Chapter: 2
Citation: Ping-Chung Chen*, Xian Han*, Timothy I. Shaw, Yingxue Fu, Huan Sun, Mingming Niu, et al. Alzheimer's disease-associated U1 snRNP splicing dysfunction causes neuronal hyperexcitability and cognitive impairment. *Nature Aging*, 2022. doi: https://doi.org/10.1038/s43587-022-00290-0.
* Co-first authors.
My significant contributions: Methodology, Validation, Formal analysis, Investigation, Data Curation, Writing - Original Draft as well as Review & Editing, and Visualization.