

sci  
hubto open  
science

↓ save

Chen, Y.-A., Lu, C.-H., Ke, C.-C., Chiu, S.-J., Jeng, F.-S., Chang, C.-W., ... Liu, R.-S. (2021). *Mesenchymal Stem Cell-Derived Exosomes Ameliorate Alzheimer's Disease Pathology and Improve Cognitive Deficits*. *Biomedicines*, 9(6), 594. doi:10.3390/biomedicines9060594

[10.3390/biomedicines9060594](https://doi.org/10.3390/biomedicines9060594)

downloaded on 2021-08-11



biomedicines



Article

# Mesenchymal Stem Cell-Derived Exosomes Ameliorate Alzheimer's Disease Pathology and Improve Cognitive Deficits

Yi-An Chen <sup>1,2</sup> , Cheng-Hsiu Lu <sup>2,3</sup> , Chien-Chih Ke <sup>2,4,5,6,\*</sup>, Sain-Jhih Chiu <sup>2</sup>, Fong-Shya Jeng <sup>2</sup>, Chi-Wei Chang <sup>7</sup>, Bang-Hung Yang <sup>7,8</sup> and Ren-Shyan Liu <sup>1,2,7,8,9,\*</sup>

- <sup>1</sup> Institute of Clinical Medicine, National Yang Ming Chiao Tung University, Taipei 112, Taiwan; yachen0414@gmail.com
- <sup>2</sup> Molecular and Genetic Imaging Core/Taiwan Mouse Clinic, National Comprehensive Mouse Phenotyping and Drug Testing Center, Taipei 112, Taiwan; rocket2350@yahoo.com.tw (C.-H.L.); caesar1227@gmail.com (S.-J.C.); jengfs@gmail.com (F.-S.J.)
- <sup>3</sup> Industrial Ph.D Program of Biomedical Science and Engineering, National Yang Ming Chiao Tung University, Taipei 112, Taiwan
- <sup>4</sup> Department of Medical Imaging and Radiological Sciences, Kaohsiung Medical University, Kaohsiung 807, Taiwan
- <sup>5</sup> Drug Development and Value Creation Research Center, Kaohsiung Medical University, Kaohsiung 807, Taiwan
- <sup>6</sup> Department of Medical Research, Kaohsiung Medical University Hospital, Kaohsiung 807, Taiwan