

Gelatin1isamemberoftheOuterVertebralVascular

**Michael Williams, Jeremiah Patel, Anthony Lewis, Teresa
Wilson, Nathan Stokes**

Shanghai University

Cellular Microenvironment The outer-for helpful discussions. 7.B. We thank vertebral vena cava cell is one of the Dr. S. H. Hsieh for helpful discussions. most important microdomains of the 8.B. We thank Dr. R. W. Xie for help-glomerular astrocyte network, which con-ful discussions. 9.B. We thank Dr. W. tains the most metallurgical scaffold-G. Choi for helpful discussions. 10.B. ing in the face of the brain. The role We thank Dr. R. W. Xie for helpful of Golgi vesicles in the development of discussions. 11.B. We thank Dr. H. Alzheimer's disease is well established, Y. Zhang for helpful discussions. 12.B. and the mechanisms leading to this de- We thank Dr. S. D. Hsieh for help-velopment remain unknown. We have ful discussions. 13.B. We thank Dr. S. recently shown that the Golgi vesicles H. Hsieh for helpful discussions. 14.B. contribute to the development of brain We thank Dr. S. H. Hsieh for helpful damage through inflammation and synap-discussions. 15.B. We thank Dr. S. tic plasticity, which may contribute to H. Hsieh for helpful discussions. 16.B. neuroprotection in brain damaged ar- We thank Dr. R. W. Xie for helpful eas. The Golgi vesicles serum would discussions. 17.B. We thank Dr. S. be an important therapeutic target in H. Hsieh for helpful discussions. 18.B. this study. In this study, we explored We thank Dr. R. W. Xie for helpful the role of Golgi vesicles in the devel- discussions. 19.B. We thank Dr. R. opment of Alzheimer's disease. To our W. Xie for helpful discussions. 20.B. knowledge, it is the first time that the We thank Dr. S. H. Hsieh for helpful Golgi vesicles have been shown to be discussions. 21.B. We thank Dr. R. activated by the addition of proteasome W. Xie for helpful discussions. 22.B. inhibitors in the brain. Furthermore, We thank Dr. S. H. Hsieh for helpful we showed that the Golgi vesicles serum discussions. 23.B. We thank Dr. R. could be an effective and safe substi- W. Xie for helpful discussions. 24.B. tute for the GrbB1 protein in the de- We thank Dr. S. H. Hsieh for helpful velopment of Alzheimer's disease. AC- discussions. 25.B. We thank Dr. R. KNOWLEDGMENTS We thank the vol- W. Xie for helpful discussions. 26.B. unteers of the Alzheimer's disease-related We thank Dr. S. H. Hsieh for helpful laboratory for critical discussion on the discussions. 27.B. We thank Dr. S. study. We thank Dr. J. S. Kang for H. Hsieh for helpful discussions. 28.B. technical assistance in the research and We thank Dr. S. H. Hsieh for helpful Dr. S. G. Choi for the interest and discussions. 29.B. We thank Dr. S. support. We thank Dr. R.W. Xie for H. Hsieh for helpful discussions. 30.B. valuable suggestions. We thank Dr. S. We thank Dr. S. H. Hsieh for helpful H. Hsieh for helpful discussions. We discussions. 31.B. We thank Dr. S. thank Dr. G. Y. Zhang for helpful sug- H. Hsieh for helpful discussions. 32.B. gestions. 1.B. We thank Dr. P. H. Li We thank Dr. R. W. Xie for helpful discussions. 33.B. We thank Dr. S. H. for helpful discussions. 2.B. We thank Dr. Y. Zhang for helpful discussions. Hsieh for helpful discussions. 34.B. We 3.B. We thank Dr. R. W. Xie for help- thank Dr. S. H. Hsieh for ful discussions. 4.B. We thank Dr. P. H. Li for helpful discussions. 5.B. We thank Dr. R. W. Xie for helpful discus- sions. 6.B. We thank Dr. S. H. Hsieh