MEETING ABSTRACTS

DISCOVERY AND DEVELOPMENT OF NEUROPROTECTIVE AND DISEASE-MODIFYING ANTI-AD DRUG LEADS FROM THE CHINESE MEDICINE

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Alzheimer’s disease (AD) represents a chronic and progressive brain disorder, and has now become the most common neurodegenerative disorders among the older population. Although the disease is now seen as major public health problems, the currently available therapeutics only offer temporary symptomatic relieves. Therefore, research and development of more effective and disease-modifying agents for the prevention and/or treatment of AD will have tremendous value from both scientific and economic standpoints.

Over the past few years, our series of studies have identified some highly promising anti-AD drug leads, including those derived from the Chinese medicines, with disease-modifying potential. In this presentation, the multi-neuroprotective effects and the underlying mechanisms of those promising candidates will be comprehensively illustrated and discussed.

Keywords: Neuroprotective effect; Dimers; Alzheimer’s disease; Disease modifying; Multiple functions

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