

Animal models for AD have led us nowhere

M. Sabbagh

Neurology, Barrow Neurological Institute, USA

Animal models were developed to accelerate the advancement of drugs for AD. Starting with TG2576, multiple animal models have been developed leading investigators to believe that drug effects in TG animals demonstrates potential clinically efficacy that could be seen in human AD. Despite their short life cycle, drug effects seen in animal models have not been borne in clinical trials. Animal models have largely failed because the pathology is fundamentally different and the biology of the species is less complex than human or non-human primates. While they are easier to manipulate and control, almost no study of animals have been reproduced in human studies.