



Plenary 8

Chemical Approaches to Elucidating the Neurobiology of Carbohydrates

Linda C. Hsieh-Wilson

*Division of Chemistry and Chemical Engineering, California Institute of Technology, USA
Howard Hughes Medical Institute, USA*

The field of chemical neurobiology is rapidly evolving and providing insights into the molecules and interactions involved in brain development, neuronal communication and memory storage. We will describe the synergistic application of organic chemistry and neurobiology to explore the structure and function of chondroitin sulfate glycol-saminoglycans in the nervous system and their impact on neuronal growth and spinal cord regeneration.