Intracellular Consequences of Amyloid in Alzheimer's Disease

Description: Consequences of Intracellular Amyloid in Alzheimer's Disease addresses one of the more currently unresolved aspects confounding Alzheimer's research, the significance of intraneuronal amyloid. It seeks to explain some of the unresolved questions concerning intracellular amyloid and its origin, entry, and toxicity.

Following up on Dr. D'Andrea's first book, Bursting Neurons and Fading Memories: An Alternative Hypothesis for the Pathogenesis of Alzheimer's Disease, this book further examines the Inside-Out or Bursting alternative hypothesis of how amyloid escapes the circulatory system to ultimately enter neurons, also examining whether there is a relationship between intracellular amyloid, amyloid plaques, and cognitive impairment. Through a comprehensive explanation of the currently relevant scientific research on intracellular amyloid compiled in this handy reference, readers will better understand the mechanisms that lead to neuron death.

- Presents the latest research on the significance of intracellular amyloid as it relates to Alzheimer's
- Addresses crucial questions about intracellular amyloid, including how it forms and enters neurons, its toxicity, if it triggers cell death, and how amyloid plaques are formed
- Examines the potential relationship between intracellular amyloid, plaques, and cognitive impairment in an effort to answer whether Alzheimer's is initially a problem of amyloid, the neuron, or of the blood-brain barrier
- Seeks to help researchers generate additional alternative therapeutic opportunities to cure Alzheimer's

Contents:
1. Amyloid basis of Alzheimer's disease
2. Origin(s) of Intraneuronal Amyloid
3. Natural Intracellular Consequences of amyloid
4. Pathological consequences of Abeta from extracellular to intraneuronal
5. Intraneuronal Amyloid and Plaque Formation
6. Intraneuronal Amyloid and Cognitive Impairment
7. Intraneuronal Amyloid and Inflammation
8. Consequences of Intracellular Amyloid in the Vascular System
9. Implications of Intraneuronal Amyloid

Appendix: Glossary

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