

ABSTRACTS

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51. Castillo G.M. and Snow A.D. Perlecan binds to both beta-amyloid protein (A β) 1-40 and 1-42, and is a potent accelerator and enhancer of A β fibrillogenesis. Presentation at the 5th International Conference on Alzheimer's Disease and Related Disorders, Osaka, Japan, July 1996.
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61. Castillo G.M., Lukito W., Ngo C., and Snow A.D. The glycosaminoglycans of perlecan bind beta-amyloid protein (A β) and enhance A β fibril formation in a sulfate content dependent manner. XIII International Congress of Neuropathology, Perth, Australia, September 1997.
62. Maresh G.A., Mueller C., Jin L.-W. and Snow A.D. Identification of a perlecan domain I (exon 5) splice variant specifically immunolocalized to the neurofibrillary tangles of Alzheimer's disease. Presentation at the 27th Annual Meeting for Neuroscience, New Orleans, Louisiana, October 25-30, 1997.
63. Castillo G.M., Lukito W., Peskind E., Raskind M. and Snow A.D. Laminin is a potent inhibitor of A β fibril formation and is an A β -binding protein present in human blood and cerebrospinal fluid. Presentation at the 27th Annual Meeting for Neuroscience, New Orleans, Louisiana, October 25-30, 1997.
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65. Castillo G.M., Lukito W., Nochlin D., Ngo C. and Snow A.D. The glycosaminoglycans of perlecan bind beta-amyloid protein (A β) and enhance A β fibril formation in a sulfate content dependent manner. Presentation at the 27th Annual Meeting for Neuroscience, New Orleans, Louisiana, October 25-30, 1997.
66. Maresh G.A., Mueller C., Castillo G.M. and Snow A.D. Perlecan domain I splice variants in the pathogenesis of amyloid plaque and neurofibrillary tangle formation in Alzheimer's disease. Presentation at the 6th International Conference on Alzheimer's Disease and Related Disorders, Amsterdam, July 18-23, 1998.
67. McCurley D., Castillo G.M. and Snow A.D. Therapeutic implications of PTI-00703: A natural plant extract that is a potent dissolver of Alzheimer's disease amyloid. Presentation at the 6th International Conference on Alzheimer's Disease and Related Disorders, Amsterdam, July 18-23, 1998.

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69. Cummings J., Castillo G.M., Ngo C., Judge M.E., Sheardown M.J., Rimvall K. and Snow A.D. Artificial amyloid plaque core deposition into rodent hippocampus: A new animal model to study amyloid plaque persistence in vivo. Presentation at the 6th International Conference on Alzheimer's Disease and Related Disorders, Amsterdam, July 18-23, 1998.
70. Lukito W., Castillo G.M., Peskind E., Raskind M. and Snow A.D. Laminin and laminin fragments in human blood and cerebrospinal fluid bind A β and maintain A β solubility. Presentation at the 6th International Conference on Alzheimer's Disease and Related Disorders, Amsterdam, July 18-23, 1998.
71. Snow A.D., Mueller C., Castillo G.M. and Maresh G.A. Specific perlecan splice variants are immunolocalized to the amyloid plaques and neurofibrillary tangles of Alzheimer's disease. Presentation at the VIII International Symposium on Amyloidosis, Rochester, MN, August 7-11, 1998.
72. Snow A.D., Lukito W. and Castillo G.M. The sulfate moieties of glycosaminoglycans are critical for the enhancement of beta-amyloid protein fibril formation. Presentation at the VIII International Symposium on Amyloidosis, Rochester, MN, August 7-11, 1998.
73. Snow A.D., Castillo G.M., Ngo C., Judge M.E., Sheardown M.J., Rimvall K. and Cummings J. A new animal model to study amyloid plaque persistence in vivo. Presentation at the VIII International Symposium on Amyloidosis, Rochester, MN, August 7-11, 1998.
74. Castillo G.M., Lukito W., Peskind E., Raskind R. and Snow A.D. Human blood and cerebrospinal fluid contain laminin fragments which bind A β and maintain A β solubility. Presentation at the VIII International Symposium on Amyloidosis, Rochester, MN, August 7-11, 1998.
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76. Castillo G.M., Cummings J., Yang W., Judge M.E., Sheardown M.J., Rimvall K., Hansen J.B. and Snow A.D. The sulfate content and specific glycosaminoglycan backbone of perlecan are critical for perlecan's enhancement of islet amyloid polypeptide (amylin) fibril formation. Presentation at the VIII International Symposium on Amyloidosis, Rochester, MN, August 7-11, 1998.
77. Verchere C.B., Andrikopoulos S., D'Alessio D.A., O'Brien K.D., Wight T.N., Snow A.D., Olin K.L., Chait A. and Kahn S.E. Role of apolipoprotein E and perlecan in islet amyloid formation in transgenic mice expressing human islet amyloid polypeptide. Presentation at the VIII International Symposium on Amyloidosis, Rochester, Minnesota, August 7-11, 1998.

78. Snow A.D., Castillo G.M., Cummings J.A., Vrablic A.S. and DeSantis D.A. Neurosharp™: A new dietary supplement containing PTI-00703 for the prevention and treatment of brain amyloidosis associated with Alzheimer's disease and aging. Presentation at Experimental Biology '99, Washington, D.C., April 1999.
79. Snow A.D., Cummings J.A., Castillo G.M., Vrablic A.S. and DeSantis D.A. Further efficacy of PTI-00703: A dietary supplement which causes a dose-dependent inhibition of Alzheimer's disease amyloid deposition in a rodent model. Presentation at Experimental Biology '99, Washington, D.C., April 1999.
80. Snow A.D., Castillo G.M. and Cummings J.A. Perlecan and other heparan sulfate proteoglycans in the pathogenesis of Alzheimer's disease. Oral presentation at the 15th National Meeting of the British Neuroscience Association. Yorkshire, England, April 1999.
81. Snow A.D., Ngo C., Cummings J.A., Wight T.N., Lara S., Perry G., DeWitt D. and Castillo G.M. Perlecan and highly sulfated glycosaminoglycans induce spontaneous formation of Alzheimer's amyloid plaques *in vitro*. Oral presentation at the 29th Annual Meeting Society for Neuroscience, Miami, Florida, October 23-28, 1999.
82. Cummings J.A., Castillo G.M., Lukito W., Peskind E., Raskind M. and Snow A.D. Identification of a beta-amyloid protein binding site localized to the globular domain repeats on the laminin A chain. Oral presentation at the 29th Annual Meeting Society for Neuroscience, Miami, Florida, October 23-28, 1999.
83. Castillo G.M., J.A. Cummings and Snow A.D. Further efficacy of PTI-00703™: A derivative from the amazon rain forest woody vine Uncaria tomentosa (cat's claw) that is a potent inhibitor of beta-amyloid protein fibrillogenesis. Oral presentation at the 29th Annual Meeting Society for Neuroscience, Miami, Florida, October 23-28, 1999.
84. Vrablic A.S., Castillo G.M., Cummings J.A., DeSantis D.A., Nochlin D. and Snow A.D. The combination of PTI-00703 and ginkgo biloba (Neurosharp™) is an effective inhibitor of A β amyloidosis associated with Alzheimer's disease and normal aging. Presentation at the 29th Annual Meeting Society for Neuroscience, Miami, Florida, October 23-28, 1999.
85. Snow A.D., Cummings J.A., Choi P.Y., Ngo C., Wight T.N., Perry G., DeWitt D., and Castillo G.M. Alzheimer's plaques re-created in a test tube: Further insights into the mechanism of amyloid plaque formation. Poster presentation at the World Alzheimer Congress 2000, Washington, D.C. July 9-13, 2000.
86. Cummings J.A., Castillo G.M., Choi P.Y., and Snow A.D. Disruption of pre-deposited Alzheimer's A β 1-42 fibrils by PTI-00703 (Cat's claw derivative) in a rodent model of A β fibrillogenesis. Poster presentation at the World Alzheimer Congress 2000, Washington, D.C. July 9-13, 2000.
87. Castillo G.M., Kirschner D.A., Yee A.G., and Snow A.D. Electron microscopy and x-ray diffraction studies further confirm the efficacy of PTI-00703™ (Cat's claw derivative) as a potent inhibitor of Alzheimer's beta-amyloid protein fibrillogenesis. Oral Presentation at the World Alzheimer Congress 2000, Washington, D.C. July 9-13, 2000.

88. Castillo G.M., and Snow A.D. The specific sulfated sugar (glucose pentasulfate) is a potent inhibitor of beta-amyloid protein fibrillogenesis. Presentation at the 30th Annual Meeting Society for Neuroscience, New Orleans, LO, November 4-9, 2000. Soc. Neurosc. Abstr. 26:299.4, 2000
89. Snow A.D., Choi P.Y., Cummings J.A., Wood S., Kirschner D.A., and Castillo G.M. Isolation and testing of the amyloid-inhibiting ingredients derived from the natural beta-amyloid protein fibrillogenesis inhibitor PTI-00703TM. Presentation at the 30th Annual Meeting Society for Neuroscience, New Orleans, LO, November 4-9, 2000. Soc. Neurosc. Abstr. 26:299.3, 2000.
90. Cummings J.A., Snow A.D., Castillo G.M., Choi P.Y., and van Kuppevelt T.H. Phage display generated heparan sulfate (HS) antibodies identify specific HS epitopes within the characteristic lesions of Alzheimer's disease. Presentation at the 30th Annual Meeting Society for Neuroscience, New Orleans, LO, November 4-9, 2000. Soc. Neurosc. Abstr. 26:201.1, 2000.
91. Castillo G.M., Choi P.Y., Cummings J.A., and Snow A.D. Sulfated glycosaminoglycans and matrix molecules in the pathogenesis and treatment of amyloidosis in Alzheimer's disease. IXth International Symposium on Amyloidosis, Budapest, Hungary, July 2001. Amyloid: J. Protein Folding Disorders 8 (2) 188, 2001.
92. Snow A.D., Choi P.Y., Cummings J.A., Kirschner D.A., Yee A.G., Wood S., and Castillo G.M. Proteoglycans/glycosaminoglycans in the induction of Alzheimer's amyloid plaque formation and the discovery of natural anti-amyloid agents. IXth International Symposium on Amyloidosis, Budapest, Hungary, July 2001. Amyloid: J. Protein Folding Disorders 8 (2) 186, 2001.
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