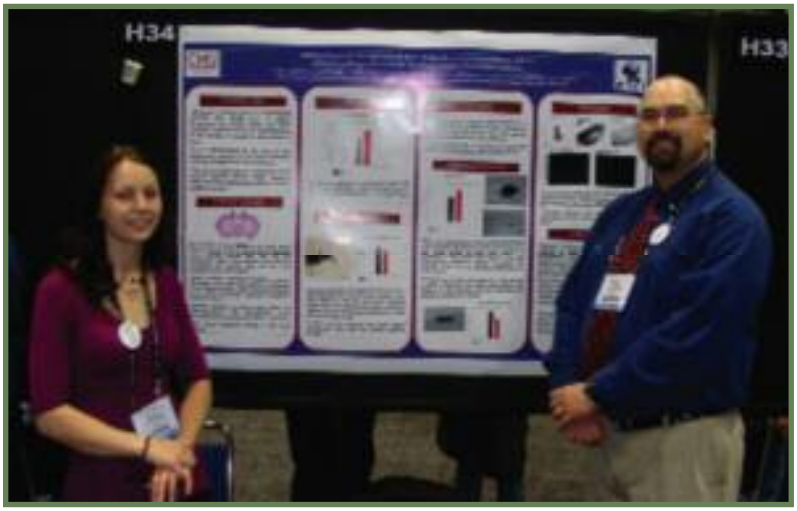
2009 Society for Neuroscience Poster Award Winner

By Douglas A. Lappi

We are pleased to announce the winner of the Poster of the Year at the Society for Neuroscience meeting: Ai-Jun Li of Washington State University, who presented the work on behalf of himself and his colleagues, Q. Wang, T.T. Dinh and Sue Ritter. The poster was entitled, *"Leptin-saporin injection into the arcuate nucleus lesions NPY/AGRP and POMC neurons and produces hyperphagia, obesity and changes in diurnal feeding patterns in rats."* The work presented the activity of Leptin-SAP (Cat. #IT-47) in feeding in a clever manner, utilizing the Zucker *fa/fa* rat, which has no functional leptin receptor, as well as Blank-SAP, which has no target receptor, but a similar structure. We congratulate Ai-Jun Li and his collaborators in prevailing over several outstanding posters. The cover article in this issue is written by Dr. Li and explains their very interesting work with Leptin-SAP.

In addition to having his work featured on the cover, Dr. Li also receives a $500 product credit, an autographed copy of "Molecular Neurosurgery With Targeted Toxins," and a variety of ATS promotional products.

Dr. Ai-Jun Li and Dr. Douglas Lappi in the ATS booth at the Society for Neuroscience meeting in Chicago.



J.J. Matchynski and colleague at their poster presentation using mu p75-SAP.

R. P. Gaykema, G. C. Thacker, N. J. Shapiro, L. E. Goehle, Ctr. for the Study of Complementary and Alternative Therapies, Univ. Virginia Sch. of Nursing, Charlottesville, VA.

This striking poster demonstrated an amazing loss of symptoms, "sickness behavior," that were suspected of being due to noradrenergic/adrenergic input by the use of anti-DBH-SAP (CAT. #IT-03). The demonstration of sickness behavior having a neuronal underpinning was a fascinating surprise to us, but not to them.

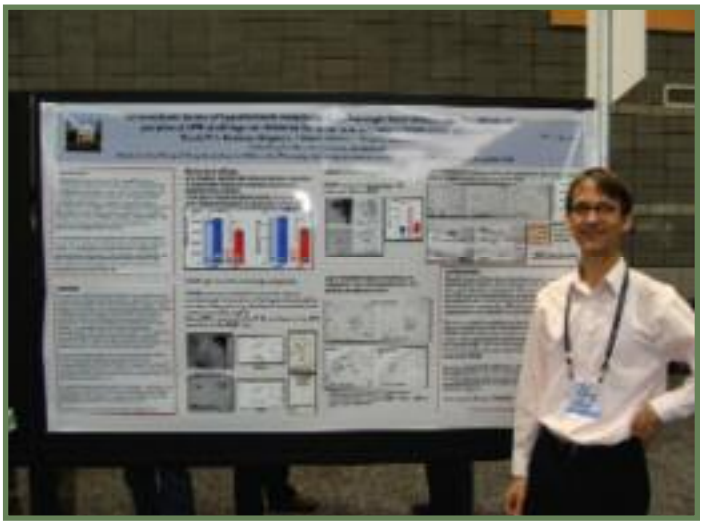
There were many posters at this year's meeting and we are always very interested to see how our clever and talented customers have used the ATS targeting technology. We look forward to next year's meeting in San Diego.

Visit our website to see a complete listing of abstracts submitted for presentation at the 2009 Society for Neuroscience meeting. (http://www.atsbio.com/news/09_sfnabs.html)

One of the other contenders for the Award was: "*Intracerebroventricular injections of mu-P-75 saporin can produce memory deficits without impairing motor deficits in a mouse model of Alzheimer's disease."* J. J. Matchynski, S. Lowrance, J. Rossignol, N. Puckett, N. Derkorver, J. Radwan, K. Trainor, M. Sandstrom, G. Dunbar, Central Michigan Univ., Mount Pleasant, MI.

The group from Central Michigan presented nice work on memory deficits in mice after loss of basal forebrain cholinergic neurons due to treatment with mu p75-SAP (Cat. #IT-16). This work suggests the ability to do analysis of cholinergic-deprived animals that can have all sorts of genetic knock-ins and knock-outs.

The third contender was: "*Immunotoxic lesion of hypothalamic noradrenergic/adrenergic input ameliorates the effects of peripheral LPS challenge on sickness behavior and associated brain c-Fos expression."*



R.P. Gaykema presents his surprising results using anti-DBH-SAP.