Neurotune AG has presented three scientific communications at the International Neuroscience meeting held in Washington DC on Nov 12 -16, 2011. The data presented were reporting results of original experiments performed in Neurotune's laboratories in Schlieren and others carried out in conjunction with researchers of University of Florence. Neurotune scientists in Schlieren demonstrated that the administration of a modified fragment of agrin, the synaptic protein that is essential for the formation and maintenance of neuromuscular junctions, is capable of improving overall well being and motor performance in transgenic mice whose phenotypes closely mimic human sarcopenia.

At the same meeting, Professor Giambattista Bonanno, head of Pharmacology at the Dept of Experimental Medicine of University of Genoa demonstrated that Neurotune`s agrin biological, improved motor performance and prolonged animal survival, when administered to SOD1 mutated mice, the widely accepted animal model of Amyotrophic Lateral Sclerosis (ALS).

Scientists of the Dept of Pharmacology of the University of Florence led by Professor Carla Ghelardini demonstrated that the administration to rats of the antitumoral agent sorafenib, a highly efficacious kinase inhibitor used to treat hepatic and renal cancer, induced a peripheral neuropathy characterized by thermal allodynia. The administration of dimiracetam, Neurotune's leading compound in phase II for neuropathic pain, was capable of ameliorating the pain in this model. In cancer patients, sorafenib is known to produce painful symptoms in humans, typically called the "hands and feet syndrome". In other experiments from the same group of Scientists, it was shown that dimiracetam possesses antidepressant activity in the despair test, the most widely used rodent model of depression.

The Neuroscience meeting is the most important scientific event for the Neuroscience Community worldwide. This year the meeting was attended by over 31'000 Scientists. Neurotune presentations raised considerable interest.

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