Molecular and Cognitive Neuroscience (Molecular Neuroscience)

1. Staffs and Students (April, 2009)
Professor Kohichi Tanaka
Assistant Professor Okiru Komine
Assistant Professor Tomomi Aida (~April)
Secretary Akiko Kusunoki (~July), Emi Sunabori (July~)
Graduate Student Tomoharu Nakamori, Shuichi Maeda,
Daiji Kanbe, Yuri Hirota,
Mio Ayusawa, Sayaka Kato

2. Purpose of Education
The final goal of our research is to understand molecular, cellular, and neuronal ensemble mechanisms underlying higher order brain functions including learning and memory. For that purpose, we combine molecular genetics, physiological and behavioral methods. The laboratory also studies the mechanism that underlies neuronal cell death and regeneration

3. Research Subjects
1) Functions of glutamate transporters in the brain.
2) Role of Notch-dependent and -independent RBP-J signaling pathway in the cerebellar development.
3) Function of glutamate transporters in skeletal muscle development

4. Publications
Original Article