



Neuroprotection, neurorestoration and neuroregeneration from various aspects



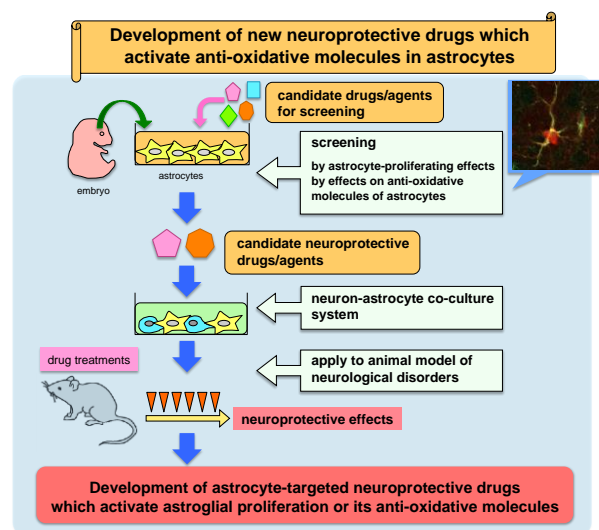
We conduct translational researches aiming to clarify mechanism of neurodegeneration and to develop neuroprotective, neurorestorative or neuroregenerative strategies from the following aspects.

1. Brain environment and neuroprotection based on region-specific features of glial cells
2. Neuroprotection for neurological disorders targeted on non-neuronal brain environment
3. Neurotoxicity of abused drugs and neuroprotection

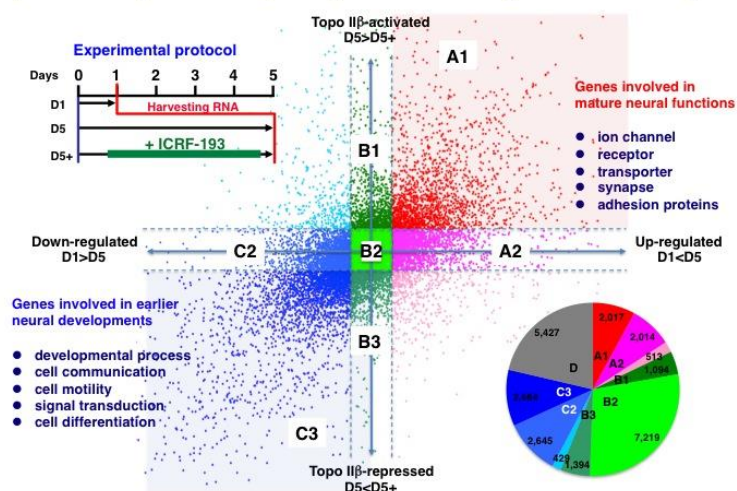
<Prof. Masato Asanuma & Assist. Prof. Ikuko Miyazaki>

4. Regulation of neuronal cell gene expression
5. Chromatin dynamics and DNA topoisomerase II
6. Molecular analysis of supercoiled DNA binding proteins

<Assist. Profs. Kuniaki Sano, Osamu Hosoya and Mary Miyaji>



Topoisomerase II β controls the gene expression in final stage of neuronal development



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