

Models/Materials	Transgenic animals	SOD1-G93A mice
	Cell lines	HEK293
		293FT
		SHSY5Y
		PC12
		PC12 nnr5
		N9
	Other	MS human brain tissue
SOD1-G93A mice brain and spinal cord tissue		
Protocols and Methods	Cell culture	Microglia
		Oligodendrocyte
		Astrocyte
		cortical and cerebellar primary neurons
		motoneuron
		organotypic cultures from brain and spinal cord
	Biochemistry	subcellular fractionations
		lipid rafts isolation
		signal transduction mechanisms
		metabolic reactions
	Gene expression	Real-time PCR
		mRNA/microRNA
	Immunohistochemistry	cyto/istochemistry
		DAB-immunohistochemistry
		double/triple immunofluorescence with confocal microscopy
	Molecular Biology	cloning genes, siRNA, miRNA
		cloning and production of lentiviral vectors, transfection and virus transduction

	Receptor binding	
	Western blotting	all P2X and P2Y available antibodies
	Electrophysiology	
	Behaviour	Behavioural scores for ALS mice and EAE mouse and rat model, rotarod test, grip test
	Other	time lapse microscopy, cell viability and metabolic assays
Fluorescent probes		DCFDA; amplexRed
Biosamples	Human origin	MS cortical blocks and snap-frozen tissue
	Animal origin	ALS mice brain and spinal cord