

Models/Materials	Transgenic animals	
	Cell lines	CHO cells transfected with human P1 receptors (A1, A2A, A2B and A3), D1 dopamine CHO, D2 dopamine CHO, U87MG, U343MG, T98G, PC12, SHSY5Y, HUVEC, 1321N1, H9, HMEC, ADF, C6.
	Other	
Protocols and Methods	Cell culture	Primary culture of: oligodendrocyte precursor cells (OPC) and human mesenchymal stem cells (hMSC), H9 Neural Stem cells; Cancer stem cells from U87MG, U343MG and SHSY-5Y cell lines; isolation and culture of blood mammalian cells (platelets, lymphocytes, monocytes);
	Biochemistry	Home made kit Elisa for protein-protein interactions; Receptor dimerization Cell death assays and cell cycle assays; Signalling transduction pathway studies; GPCR functional assays: second-messenger quantification, GTP gamma S binding; Synaptoneurosome preparations; Steroid and neurosteroid assessments Subcellular fractioning
	Gene expression	mRNA Extraction from cells and tissues; PCR, real time RT-PCR(SYBER Green)
	Immunohistochemistry	
	Molecular Biology	RNA interferences(siRNA); Cell Transfection.
	Receptor binding	GTP γ S binding assay, cAMP binding assay, receptor binding assay
	Western blotting	Receptor proteins; intracellular and membrane signalling proteins.
	Electrophysiology	
	Behaviour	
Other	Flow cytometry (cell counting, cell death, mitochondrial depolarization, caspases, PI3K, MAPK).	
Non commercial antibodies	P1 receptors	
	P2 receptors	
Non commercial drugs	TSPO ligands, adenosine	
Fluorescent probes	TSPO ligands for PET	
Investigational diagnostic test		
Biosamples	Human origin	
	Animal origin	