Public University
Research group
Profile form FP7 - Health

Date 2009 Apr 2 Deadline

CONTACT

Organisation	**UNIVERSITY OF LATVIA** (LU)	**Department**	Pharmacology
Contact person	Prof. Vija Klusa	**Male/female**	F
Address	Department of Pharmacology Faculty of Medicine University of Latvia Sarlotes Str. 1a	**Email**	baijansone@one.lv
Postcode	LV-1001	**Fax**	+371-6-7366306
City	Riga	**Telephone**	+371-2-9276263
Country	Latvia	**Website**	http://www.lu.lv/eng/general/

ORGANISATION TYPE

Research organisation type	☒Public University ☐ Company ☐ Other	**Is your company a Small and Medium Sized Enterprise (SME*)?** **Number of employees:**	☐ YES ☒ NO **University more than 2000, Department ca 10**

Are you familiar with the European Framework Programme? **Yes**

Description of research activity and expertise:

- **BRAIN:**
  - **Neurodegenerative diseases:** Alzheimer's disease (AD) – preclinical studies in animal models;
  - **Addiction:** craving and relapse mechanisms in animal models;
  - **Neuropharmacology:** behavioral experiments *in vitro* and *in vivo;*
  - **Immunohistochemistry:** tools for brain study.
- **AGEING: Studies on telomere biology and their role in ageing mechanisms according to animal studies.**

Willing to join a PROJECT for following topics:

RESEARCH-2010 on the brain and related diseases, Human development and ageing 2.3.
2.2.1. Brain and brain-related diseases
2.2.2. Human development and ageing

Commitment offered

☒ Research ☐ Demonstration ☐ Training
☐ Technology ☒ Dissemination ☐ Other:

Public University
Research group
Profile form FP7 - Health

Interested in participation in Project types				
	☒ Large-scale integrating collaborative project	☒ Small or medium-scale focused research collaborative project	☒ Targeted to SMEs	☒ Other (Marie Curie Actions, ERA-NET…):
	☒ Coordination and Support Action	☒ Network of Excellence	☒ Research for the benefit of SMEs	

Latest references:

Jansone, B., Rumaks J., Dzirkale Z., Pupure J., Svirskis S., Muceniece, R and Klusa, V. " γ1- and γ2-melanocyte stimulating hormones induce central anxiogenic effects and potentiate ethanol withdrawal responses in the elevated plus-maze test in mice". *Pharmacology Biochemistry and Behavior,* 2009. 92:267-271.

Pupure J, Isajevs S, Gordjushina V, Taivans I, Rumaks J, Svirskis S, Kratovska A, Dzirkale Z, Pilipenko J, Duburs G, Klusa V. Distinct influence of atypical 1,4-dihydropyridine compounds in azidothymidine-induced neuro- and cardiotoxicity in micee ex vivo. *Basic Clin. Pharmaco. Toxicol.* 2008. 103:401-406.

Pupure J, Fernandes MA, Santos MS, Moreno AJ, Kalvinsh I, Klusa V, Oliveira CR. Mitochondria as the target for mildronat's protective effects in azidothymidine (AZT)-induced toxicity of isolated rat liver mitochondria. *Cell Biochem Funct.* 2008. 26:620-631.

Sundberg BE, Wååg E, Jacobsson JA, Stephansson O, Rumaks J, Svirskis S, Alsiö J, Roman E, Ebendal T, Klusa V, Fredriksson R. The evolutionary history and tissue mapping of amino acid transporters belonging to solute carrier families SLC32, SLC36, and SLC38. *J Mol Neurosci Neurosci.* 2008. 35:179-193.

Klimaviciusa L, Safiulina D, Kaasik A, Klusa V, Zharkovsky A. The effects of glutamate receptor antagonists on cerebellar granule cell survival and development. *Neurotoxicology.* 2008. 29:101-108.

Muceniece R, Saleniece K, Rumaks J, Krigere L, Dzirkale Z, Mezhapuke R, Zharkova O, Klusa V. Betulin binds to gamma-aminobutyric acid receptors and exerts anticonvulsant action in mice. *Pharmacol Biochem Behav.* 2008. 90:712-716.

Muceniece R, Saleniece K, Krigere L, Rumaks J, Dzirkale Z, Mezhapuke R, Kviesis J, Mekss P, Klusa V, Schiöth HB, Dambrova M. Potato (Solanum tuberosum) juice exerts an anticonvulsant effect in mice through binding to GABA receptors. *Planta Med.* 2008. 74: 491 – 496.

Klimaviciusa L, Klusa V, Duburs G, Kaasik A, Kalda A, Zharkovsky A. Distinct effects of atypical 1,4-dihydropyridines on 1-methyl-4-phenylpyridinium-induced toxicity. *Cell Biochem Funct.* 2007. 25:15-21.

Klusa V, Klimaviciusa L, Duburs G, Poikans J, Zharkovsky A. Anti-neurotoxic effects of tauropyrone, a taurine analogue. *Adv Exp Med Biol.* 2006. 583:499-508.

Klusa V, Pupure J, Isajevs S, Rumaks J, Gordjushina V, Kratovska A, Taivans I, Svirskis S, Viksna L, Kalvinsh I. Protection of azidothymidine-induced cardiopathology in mice by mildronate, a mitochondria-targeted drug. *Basic Clin Pharmacol Toxicol.* 2006. 99:323-328.

Public University
Research group
Profile form FP7 - Health

Klegeris A, Liutkevicius E, Mikalauskiene G, Duburs G, McGeer PL, Klusa V. Anti-inflammatory effects of cerebrocrast in a model of rat paw edema and on human mononuclear phagocytes. *Eur J Pharmacol.* 2002. 441:203-208.

I agree with the publication of my contact data on WEB: ☒ YES ☐ NO