

Сведения об официальных оппонентах.

**Сойдла Тыну Рихович,**

доктор биологических наук (специальность 03.02.07 - генетика)

старший научный сотрудник

Федеральное государственное бюджетное учреждение науки институт цитологии Российской академии наук, ведущий научный сотрудник.

Amen TP, Mikhaĭlov EV, Alenin VV, Artemov AV, Dement'ev PA, Khodorkovskii MA, Artamonov TO, Kuznetsova IM, **Soĭdla TR**, Nevzgliadova OV. Comparative structural and functional characteristics of different forms of *Saccharomyces cerevisiae* red pigment and its synthetic analogue. *Tsitologiya*. 2012;54(11):853-61.

Mikhaĭlova EV, Artemov AV, Snigirevskaia ES, Artamonova TO, Khodorkovskii MA, **Soĭdla TR**, Nevzgliadova OV. The effect of red pigment of *Saccharomyces cerevisiae* on insulin fibril formation in vitro. *Tsitologiya*. 2011;53(10):808-14.

Nevzgliadova OV, Kuznetsova IM, Mikhaĭlova EV, Artamonova TO, Artemov AV, Mittenberg AG, Kostyleva EI, Turoverov KK, Khodorkovskii MA, **Soĭdla TR**. The effect of red pigment on the amyloidization of yeast proteins. *Yeast*. 2011;28(7):505-26.

Nevzgliadova OV, Artemov AV, Mittenberg AG, Mikhaĭlova EV, Kuznetsova IM, Turoverov KK, **Soĭdla TR**. The effect of red pigment on amyloidization of yeast proteins. *Tsitologiya*. 2010;52(1):80-93.

Nevzgliadova OV, Artemov AV, Mittenberg AG, Kostyleva EI, Mikhaĭlova EV, Solov'ev KV, Kuznetsova IM, Turoverov KK, **Soĭdla TR**. Comparison of crude lysate pellets of isogenic strains of yeast with different prion composition: identification of a set of prion-associated proteins. *Tsitologiya*. 2010;52(1):63-79.

Nevzgliadova OV, Artemov AV, Mittenberg AG, Solovyov KV, Kostyleva EI, Mikhaĭlova EV, Kuznetsova IM, Turoverov KK, **Soĭdla TR**. Prion-associated proteins in yeast: comparative analysis of isogenic [PSI(+)] and [psi(-)] strains. *Yeast*. 2009 Nov;26(11):611-31.

**Саранцева Светлана Владимировна,**

доктор биологических наук (специальность 03.02.07 – генетика)

Федеральное государственное бюджетное учреждение "ПИЯФ им. Б.П. Константинова" научно-исследовательский центр "Курчатовский институт", заместитель директора по научной работе.

**Sarantseva SV**, Kislik GA, Tkachenko NA, Vasil'ev AN, Shvartsman AL. Morphological and functional abnormalities in neuromuscular junctions of

Drosophila melanogaster induced by the expression of human APP gene. Tsitologiya. 2012;54(5):421-9.

**Sarantseva SV**, Rodin DI, Schwarzman AL. Human APP gene expression in nerve cells of Drosophila melanogaster causes alteration of synaptotagmin 1 mRNA level. Dokl Biochem Biophys. 2012 Jan-Feb;442:19-21.

Shvartsman AL, **Sarantseva SV**, Vitek MP. Potential role of presenilin 1 in regulation of synaptic function. Tsitologiya. 2011;53(12):959-67.

**Sarantseva SV**, Bolshakova OI, Timoshenko SI, Kolobov AA, Schwarzman AL. Dendrimer D5 is a vector for peptide transport to brain cells. Bull Exp Biol Med. 2011 Feb;150(4):429-31.

Shvartsman AL, **Sarantseva SV**. Compensatory function of transthyretin in Alzheimer's disease. Tsitologiya. 2011;53(10):772-7.

Shvartsman AL, **Sarantseva SV**, Runova OL, Talalaeva EI, Vitek MP. Familial Alzheimer's disease mutations in the presenilin 1 gene reduce cell-cell adhesion in transfected fibroblasts. Biofizika. 2010 Sep-Oct;55(5):862-7.

**Sarantseva S**, Timoshenko S, Bolshakova O, Karaseva E, Rodin D, Schwarzman AL, Vitek MP. Apolipoprotein E-mimetics inhibit neurodegeneration and restore cognitive functions in a transgenic Drosophila model of Alzheimer's disease. PLoS One. 2009 Dec 7;4(12):e8191.