**ŽIVLJENJEPIS**

**Izobrazba:**
1998 – 2003 Univerza v Ljubljani, Fakulteta za kemijo in kemijsko tehnologijo; Univerzitetni program Biokemija - univ. dipl. biokem
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**Delovne izkušnje:**
2002 - 2003  Zavod RS za Transfuzijsko medicine, Center za razvoj in izdelavo diagnostičnih reagentov; raziskovalec-diplomant
2003 – 2008 Univerza v Ljubljani, Medicinska fakulteta, Inštitut za biokemijo; mladi raziskovalec in asistent za predmetno področje Biokemija

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**Sodelovanja s tujimi in domačimi ustanovami:**
- University of California—San Francisco, Rosalind Russell Medical Research Center, San Francisco, California, ZDA
- Biozentrum, University of Basel, Basel, Švica
- VIB, Flanders Institute for Biotechnology, Department of Molecular Microbiology, Leuven, Belgija
- Univerza v Ljubljani, Medicinska fakulteta, Inštitut za biologijo celice
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**Nagrade, štipendije:**
Nagrada Maksa Samca za doktorsko disertacijo s področja biokemije. Univerza v Ljubljani, Fakulteta za kemijo in kemijsko tehnologijo, Ljubljana 2008.
Krkina nagrada za diplomsko delo. Development of TaqMan assay for HFE gene mutations screening. 33. Krkine nagrade, Novo mesto 2003.
Krkina nagrada za raziskovalno delo. Salt stress regulated degradation of 3-hydroxy-3-methylglutaryl-CoA reductase in halophilic black yeast Hortaea werneckii. 34. Krkine nagrade, Novo mesto 2004.

**Raziskovalna področja:**
Metabolizem, osmoadaptacija in extremofilni mikroorganizmi
Molekulski odzivi pri ortodontskem premiku zob pri podganah
Vpliv ultrazvoka na razvoj centralnega živčevja pri podganjih zarodkih

**Izbrane publikacije:**
(1) Cukjati M\*, Vaupotic T, Rupreht R, Curin-Serbec V. Prevalence of H63D, S65C and C282Y hereditary hemochromatosis gene mutations in Slovenian population by an improved high-throughput genotyping assay. BMC Medical Genetics 2007, 8:69.
(2) Oven I, Brdickova N, Kohoutek J, Vaupotic T, Narat M and Peterlin M. AIRE recruits P-TEFb for transcriptional elongation of insulin gene in medullary thymic epithelial cells. Molecular and Cellular Biology 2007; 27: 8815-8823.
(3) Sprogar S, Vaupotič T, Cör A, Drevenšek M and Drevenšek G.The endothelin system mediates bone remodeling in the late stage of orthodontic tooth movement in rats. Bone. 2008, 43(4):740-7.
(4) Vaupotic, T., and A. Plemenitas. Differential gene expression and Hog1 interaction with osmoresponsive genes in the extremely halotolerant black yeast Hortaea werneckii. 2007; BMC Genomics 8:280.
(5) Križnar I, Sprogar S, Drevenšek M, Vaupotic T, Drevenšek G. Cetirizine, a histamine H(1) receptor antagonist, decreases the first stage of orthodontic tooth movement in rats. Inflamm Res. 2008, 57, Suppl 1: S29-30.
(6) Vaupotic, T., Gunde-Cimerman, N., Plemenitas, A. Novel 3´-phosphoadenosine-5´-phosphatases from extremely halotolerant Hortaea werneckii reveal insight into molecular determinants of salt tolerance of black yeasts. Fungal Genetics and Biology. 2007; 44:1109-1122.
(7) Vaupotic T, Plemenitas A. Osmoadaptation-dependent activity of microsomal HMG-CoA reductase in the extremely halotolerant black yeast Hortaea werneckii is regulated by ubiquitination. FEBS Lett. 2007; 581(18):3391-5.
(8) Vaupotic T, Veranic V, Jenoe P, and Plemenitas A. Mitochondrial mediation of environmental osmolyte discriminates during osmoadaptation of halotolerant yeast. Fungal Genetics and Biology. 2008 45(6): 994-1007.
(9) Vaupotic T, Veranic P, Petrovic U, Gunde-Cimerman N, Plemenitas A. HMG-CoA reductase is regulated by environmental salinity and its activity is essential for halotolerance in halophilic fungi. Studies in Mycology 2008, 61: 61-66.