

Curriculum Vitae

PERSONAL DATA

Volodymyr Dvornyk

Associate Professor of Genetics
Department of Life Sciences
College of Science and General Studies

Email: vdvornyk@alfaisal.edu

Nationality: Ukraine

Degrees

- 1992 Ph.D. (Biology), Moscow Pedagogical State University, Moscow, Russia.
1979-84 M.S. (Zoology and Botany), Donetsk State University, Donetsk, Ukraine. *Graduated **Cum Laude**.*

Positions Held

- 2015-present *ASSOCIATE PROFESSOR*, Department of Life Sciences, College of Science and General Studies, Alfaisal University, Riyadh, Saudi Arabia
2008-present *ASSOCIATE PROFESSOR*, School of Biological Sciences, University of Hong Kong, Hong Kong SAR, PR China
2005-08 *ASSISTANT PROFESSOR*, Department of Biological Sciences, Kent State University, Kent, OH, USA.
2002-05 *POSTDOCTORAL RESEARCH ASSOCIATE*, Osteoporosis Research Center, Creighton University, Omaha, NE, USA.
2001-02 *POSTDOCTORAL RESEARCHER*, Osteoporosis Research Center, Creighton University, Omaha, NE, USA.

Teaching Experience

Over 10 years of teaching experience in the universities of the USA and Hong Kong.

SELECTED PUBLICATIONS

1. Mei Q, **Dvornyk V**. 2015. Evolutionary history of the photolyase/cryptochrome superfamily in eukaryotes. *PLoS ONE* 10(9): e0135940. doi:10.1371/journal.pone.0135940.
2. Mei Q, Sadovy Y, **Dvornyk V**. 2015. Molecular evolution of cryptochromes in fishes. *Gene* pii: S0378-1119(15)00927-0. doi: 10.1016/j.gene.2015.07.086. [Epub ahead of print].
3. Yermachenko A, **Dvornyk V**. 2014. Nongenetic determinants of age at menarche: a systematic review. *BioMed Res Int* vol. 2014, Article ID 371583, 14 pp., doi:10.1155/2014/371583.
4. Mei Q, **Dvornyk V**. 2014. Evolution of PAS domains and PAS-containing genes in eukaryotes. *Chromosoma*, 123(4): 385-405.
5. Litovkina O, Nekipelova E, **Dvornyk V**, Polonikov A, Efremova O, Zhernakova N, Reshetnikov E, Churnosov M. 2014. Genes involved in the regulation of vascular homeostasis determine renal survival rate in patients with chronic glomerulonephritis. *Gene*, 546(1): 112-116.
6. Ng KW, Pointing SB, **Dvornyk V**. 2013. Patterns of nucleotide diversity of the *lpaA* circadian gene in closely related species of cyanobacteria from extreme cold deserts. *App. Environ. Microbiol.*, 79(5):1516-1522.
7. Reshetnikov EA, Akulova L, Dobrodomova I, **Dvornyk V**, Polonikov A, Churnosov M. 2013. The insertion-deletion polymorphism of the ACE gene is associated with increased blood pressure in women at the end of pregnancy. *J Renin Angiotensin Aldosterone Syst.* [epub ahead of print, doi: 10.1177/1470320313501217].
8. Sun L, Tan L, Yang F, Luo Y, Li X, Deng HW, **Dvornyk V**. 2012. Meta-analysis suggests that smoking is associated with earlier age at natural menopause. *Menopause*, 19(2): 126-132.

9. **Dvornyk V**, Ul-Haq W. 2012. Genetics of age at menarche: a systematic review. *Hum. Reprod. Update*, 18(2): 198-210.
10. **Dvornyk V**, Jahan AS. 2012. Extreme conservation and non-neutral evolution of the cpmA circadian locus in a globally distributed *Chroococcidiopsis* sp. from naturally stressful habitats. *Mol. Biol. Evol.*, 29(12): 3899-3907.
11. Pan R, Liu YZ, Deng HW, **Dvornyk V**. 2012. Association analyses suggest the effects of RANK and RANKL on age at menarche in Chinese women. *Climacteric*, 15(1): 75-81.
12. Lu Y, Liu YZ, Liu PY, **Dvornyk V**, Deng HW. 2011. A bootstrap-based regression method for comprehensive discovery of differential gene expressions: the application to osteoporosis studies. *Eur J Med Genet.*, 54(6): e560-e564..
13. Baca I, Sprockett D, **Dvornyk V**. 2010. Circadian input kinases and their homologs in cyanobacteria: Evolutionary constraints versus architectural diversification. *J. Mol. Evol.*, 70(5): 453-465.
14. Lu Y, Liu P, Recker RR, Deng HW, **Dvornyk V**. 2010. TNFRSF11A and TNFSF11 are associated with age at menarche and natural menopause in white women. *Menopause*, 17(5): 1048-1054.
15. Liu P, Lu Y, Recker RR, Deng HW, **Dvornyk V**. 2010. Association analyses suggest multiple interaction effects of the methylenetetrahydrofolate reductase polymorphisms on timing of menarche and natural menopause in whites. *Menopause*, 17(1): 185-190.
16. Liu P, Lu Y, Recker RR, Deng HW, **Dvornyk V**. 2010. ALOX12 gene is associated with the onset of natural menopause in white women. *Menopause*, 17(1): 152-156.
17. Liu* YZ, **Dvornyk* V**, Lu Y, Shen H, Lappe J, Recker RR, Deng HW. 2005. A novel pathophysiological mechanism for osteoporosis suggested by an *in vivo* gene expression study of circulating monocytes. *J. Biol. Chem.*, 280(32): 29011-29016 (*contributed equally).
18. **Dvornyk V**, Liu XH, Shen H, Lei SF, Zhao L, Huang QR, Qin Y, Jiang DK, Long J, Zhang Y, Gong G, Recker RR, Deng HW. 2003. Differentiation of Caucasians and Asians at bone mass candidate genes: implication for ethnic difference of bone mass. *Ann. Hum. Genet.*, 67(3): 216-227.

BOOK CHAPTERS

- **Dvornyk V**. 2013. Genetics of menopause and menopausal age. In: *Current Topics in Menopause*, Dvornyk V (Ed.), Bentham Science Publishers, Sharja, UAE, pp. 20-53.

BOOKS

- **Dvornyk V**. (Editor). 2013. *Current Topics in Menopause*. Bentham Science Publishers, Sharja, UAE.