

## Curriculum vitae

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**Education**

Ph.D., 1995      Laboratory of Molecular Organization of Chromosomes  
Engelhardt Institute of Molecular Biology, Moscow  
Graduate Student

M.S., 1991      Department of Molecular Biology  
Moscow State University  
Undergraduate Student

1983-1985      Moscow Math School 57  
Bio-Math class, High School Student

**Positions held**

2001, September - present      Department of Biology,  
New York University,  
Associate Research Scientist

1999, September - 2001, September      Department of Biology,  
New York University,  
Postdoctoral Associate

1996, April - 1999, September      Laboratory of Molecular Genetics,  
Howard Hughes Medical Institute,  
The Rockefeller University,  
Postdoctoral Fellow

1994-1995      Laboratory of Structure and Function of Chromatin  
Engelhardt Institute of Molecular Biology  
Staff Researcher

## Publications

1. Clyde, D. E., Corado, M. S., Wu, X., Paré, A., **Papatsenko, D.** and Small, S. (2003) A self-organizing system of repressor gradients establishes segmental complexity in *Drosophila*. *Nature*, in press.
2. Nazina, A. G. and **Papatsenko, D. A.** (2003) Statistical extraction of *Drosophila* cis-regulatory modules using exhaustive assessment of local word frequency. *BMC Bioinformatics*, submitted.
3. Makeev, V. J., Lifanov, A. P., Nazina, A. G. and **Papatsenko, D. A.** (2003) Distance preferences in the arrangement of binding motifs and hierarchical levels in organization of transcription regulatory information. *Nucleic Acids Res*, 31(20), 6016-26.
4. Tahayato, A., Sonnevile, R., Pichaud, F., Wernet, M. F., **Papatsenko, D.**, Beaufils, P., Cook, T. and Desplan, C. (2003) Otd/Crx, a dual regulator for the specification of ommatidia subtypes in the *Drosophila* retina. *Dev Cell*, 5(3), 391-402.
5. Cook, T., Pichaud, F., Sonnevile, R., **Papatsenko, D.** and Desplan, C. (2003) Distinction between color photoreceptor cell fates is controlled by Prospero in *Drosophila*. *Dev Cell*, 4(6), 853-64.
6. Lifanov, A. P., Makeev, V. J., Nazina, A. G. and **Papatsenko, D. A.** (2003) Homotypic regulatory clusters in *Drosophila*. *Genome Res*, 13(4), 579-88.
7. **Papatsenko, D. A.**, Makeev, V. J., Lifanov, A. P., Regnier, M., Nazina, A. G. and Desplan, C. (2002) Extraction of functional binding sites from unique regulatory regions: the *Drosophila* early developmental enhancers. *Genome Res*, 12(3), 470-81.
8. **Papatsenko, D.**, Nazina, A. and Desplan, C. (2001) A conserved regulatory element present in all *Drosophila* rhodopsin genes mediates Pax6 functions and participates in the fine-tuning of cell-specific expression. *Mech Dev*, 101(1-2), 143-53.
9. **Papatsenko, D.**, Sheng, G. and Desplan, C. (1997) A new rhodopsin in R8 photoreceptors of *Drosophila*: evidence for coordinate expression with Rh3 in R7 cells. *Development*, 124(9), 1665-73.
10. Belikov, S., **Papatsenko, D.**, Preobrazhenskaya, O., Sushkov, V. and Karpov, V. (1997) Sequential arrangement, not transcriptional activity, determines conformational stability of nucleosomes. *J Biomol Struct Dyn*, 14(5), 651-5.
11. Belikov, S. V., **Papatsenko, D. A.** and Karpov, V. L. (1996) A method to synthesize strand-specific probes. *Anal Biochem*, 240(1), 152-4.
12. **Papatsenko, D. A.**, Priporova, I. V., Belikov, S. V. and Karpov, V. L. (1996) Mapping of DNA-binding proteins along the yeast genome by UV-induced DNA-protein crosslinking. *FEBS Lett*, 381(1-2), 103-5.
13. **Papatsenko, D.**, Belikov, S., Preobrazhenskaya, O. and Karpov, V. (1995) Two-dimensional gels and hybridization for studying DNA-protein contacts by crosslinking. *Meth Mol Cell Biol*, 5(3), 171-177.
14. **Papatsenko, D. A.**, Priporova, I. V., Kukarin, A. V., Preobrazhenskaya, O. V., Karpov, V. L. and Mirzabekov, A. D. (1994) [Detection of nonhistone proteins, bound with regulatory elements of yeast rRNA genes, by UV-crosslinks in intact nuclei]. *Mol Biol (Mosk)*, 28(6), 1376-82.