

Dr. Ekaterina Korobkova
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Date of Preparation: February 11, 2013

Work Experience

09/2007 – Present	John Jay College of Criminal Justice, CUNY <i>Assistant Professor</i>	New York, NY
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Post Doctoral Training

01/2005 – 05/2007	Chemistry Department , The University of Chicago <i>Postdoctoral Researcher</i>	Chicago, IL
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Education

09/1992 – 06/1999	Novosibirsk State University, Chemistry Department BA, June 1999	Novosibirsk, Russia
09/1999 – 09/2001	Boston University, Department of Chemistry MA, September 2001	Boston, MA
09/2001 – 12/2004	The University of Chicago, Chemistry Department PhD, December 2004	Chicago, IL

Professional Organizations, Societies and Service:

Journal Reviewer for *Anticancer Drugs*

Departmental and University Committees

Departmental Committees:

09/2012 – Present	Faculty Search Committee
09/2010 – Present	Curriculum Committee, Committee Member, Elected.
09/2010 – Present	Student's Grade Appeal Committee, Committee Member, Elected,

College Committees:

02/2012 – Present	Undegraduate Admission Appeal Committee, Committee Member.
06/2011 – 12/2011	Institutional Review Board, Committee Member.

02/2011 – Present	Faculty Elections Committee, Committee Member
02/2011 – 06/2011	Ceremonial Occasions Committee, Committee Member
09/2009 – 07/2010	Student Evaluation of Faculty Committee, Committee Member.

Fellowships and Grant Support:

Past Support:

06/2011 – 06/2012	PSC-CUNY research grant, title: “Reactive intermediates produced by metabolic oxidation of industrial arylamines: DNA damage and cellular response: <i>Principal Investigator</i>
06/2010 – 06/2011	JJC Research Assistance Grant, title: “Reactive species formed in the metabolism of tricyclic antidepressants and their potential damage to DNA” <i>Principal Investigator</i>
06/2008 – 12/2009	PSC-CUNY research grant, title: “Studying the effect of antidepressants on DNA” <i>Principal Investigator</i>

Present Support:

06/2012 – 06/2013	PSC-CUNY research grant, title: “Spatiotemporal Distribution of Glycosylases under the Exposure to Oxidative Stress” <i>Principal Investigator</i>
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Pending Support:

	PSC-CUNY research grant, title: “A role of flavonoids in cytochrome c-cardiolipin interactions” <i>Principal Investigator</i>
	NIH/NIGMS R15 grant, title <i>Principal Investigator</i>

Fellowships:

09/1997-05/1999	Scholarships of Scientific Council of Novosibirsk State University
09/1997-05/1999	Fellowship in honor of Academician N.A.Koptyug for excellent studies
09/1997-08/1998	Fellowship in honor of Academician A.V. Nikolaev for the first result in a two-year analytical chemistry course

Teaching Experiences and Responsibilities:

Specific Courses:

Physical Chemistry, lectures and recitations
Instrumental Analysis, labs
General Chemistry, lectures, recitations, and labs
Organic Chemistry, recitations and labs
Physics, recitations and labs
Undergraduate Research Internship

Publications:

1. Ekaterina A. Korobkova and Leonid Sukala, *CBI*, "Small molecules targeting mitochondria: applications for cancer and neurodegenerative disease therapeutics", 2012, **2** (2), 59-75.
2. Alicia K. Williams, Sofia Cheliout Dasilva, Melinda Liu, Baibhav Rawal, Ankit Bhatta, and Ekaterina A. Korobkova, *Anal. Biochem.*, "Determination of the drug-DNA binding modes using fluorescence-based assays", 2012, **422**, 66-73.
3. Ekaterina A. Korobkova, John Nemeth, Mikeisha Cadougan, Abhishek Venkatratnam, Mohanram Bassit, and Nikolay Azar, *Bioorg. Med. Chem.*, "Reactive metabolites of desipramine and clomipramine: The kinetics of formation and reactivity with DNA", 2012, **20** (1), 340-345.
4. Ekaterina A. Korobkova, William Ng, Abhishek Venkatratnam, Alicia K. Williams, Madina Nizamova, and Nikolay Azar, *Chem. Res. Toxicol.*, "In-vitro studies of DNA damage caused by tricyclic antidepressants: a role of peroxidase in side effects of the drugs", 2010, **23** (9), 1497-1503.
5. Chien-Sheng Chen, Ekaterina Korobkova, Hao Chen, Jian Zhu, Xing Jian, Sheng-Ce Tao, Chuan He, and Heng Zhu, *Nat. Methods*, "A proteome chip approach reveals new DNA damage recognition activities in *Escherichia coli*", 2008, **5** (1), 69-74.
6. Ekaterina A. Korobkova, Thierry Emonet, Heungwon Park, and Philippe Cluzel, *Phys. Rev. Lett.*, "Hidden stochastic nature of a single bacterial motor", 2006, **96**, 058105-1 – 058105-4.
7. Ziman Li, Ekaterina Korobkova, Kathryn Werner, Lawrence Shum, and Amy S. Mullin, *J. Chem. Phys.*, "State-resolved collisional quenching of vibrationally excited pyrazine ($E_{\text{vib}}=37\ 900\ \text{cm}^{-1}$) by $\text{D}^{35}\text{Cl}(v=0)$ ", 2005, **123** (17), 174306.
8. Ekaterina Korobkova, Thierry Emonet, Jose M. G. Vilar, Thomas S. Shimizu, and Philippe Cluzel, *Nature*, "From molecular noise to behavioral variability in a single bacterium", 2004, **428** (6982), 574-578.
9. Boris V. Bol'shakov, Ekaterina A. Korobkova, and Vladimir A. Tolkathev, *Phys. Chem. Chem. Phys.*, "Formation of deep gas traps in glassy n-butanol", 2000, **2** (20), 4793-4795.

10. Boris V. Bol'shakov, Ekaterina A. Korobkova, and Vladimir A. Tolkatchev, *React. Kinet. Catal. Lett.*, "Effect of vitrification method on the formation of deep traps for gas molecules in n-butanol glass", 1999, **68** (2), 325 - 330.