

# Barbora Lišková

## PERSONAL INFORMATION

*Name:* Barbora Lišková  
*Adress:* Moravská 399/21, 736 01 Havířov - Šumbark  
*E-mail:* baraliskova@email.cz  
*Phone:* +420-585 63 2181 Office, +420-585 63 2147 Lab  
*Date of birth:* 6. 3. 1984  
*Nationality:* Czech

## ACADEMIC FORMATION

09/2008 – 09/2012

Masaryk University in Brno, Czech Republic, doctoral degree in biophysics

Theme: Relationship between DNA modifications by cancerogens, mutagens and antitumour agents and their biological activity

Supervisor: Mgr. Olga Nováková, Dr.

Institute of Biophysics AS CR, v.v.i., Dep. of Molecular Biophysics and Pharmacology, Královopolská 135, CZ - 612 65 Brno

09/2003 – 09/2008

Ostrava University in Ostrava, Faculty of Science, Biophysics

## EMPLOYMENT HISTORY

07/2012 – 12/2012

Masaryk University in Brno, Czech Republic, Faculty of Science, Department of Experimental Biology, position: junior researcher

1/2013 – 6/2015

Department of Pharmacology, Faculty of Medicine and Dentistry, Palacky University Olomouc, Hnevotinska 3, CZ-775 15 Olomouc, Czech Republic, position: post-doctoral stay

## SCIENTIFIC AND PROFESSIONAL SKILLS

- fractionation, isolation and purification of cell and individual cell components
- PCR, real-time PCR
- electrophoretic methods (agarose and polyacrylamide gels); high performance liquid chromatography
- absorption spectrophotometry, spectrofluorimetry, atomic absorption spectrometry
- production of the vector and its subsequent transformation, protein expression and purification
- purification and characterization of oligonucleotides and DNA, and in vitro studies conformation and damage
- work with radioactive isotopes (radioactive marking of DNA fragments, transcription mapping)
- determination activities and expressions of cytochromes P450

## ADDITIONAL INFORMATION

<i>Internship</i>	01/2015 – 04/2015, Dept. Pharmacokinetics and Drug Metabolism; Institute of Pharmacology; Polish Academy of Sciences, Krakow, group of Prof. Władysława Anna Daniel
<i>Language skills</i>	English: oral - intermediate, written - advanced German language: basic
<i>Computer skills</i>	advanced
<i>Characteristics</i>	I am a communicative, flexible, creative and responsible person. I like working with people. I enjoy travelling and learning new things, meeting new people.

## PUBLICATIONS

DNA interactions of 2-pyrrolinodoxorubicin, a distinctively more potent daunosamine-modified analogue of doxorubicin.

Stepankova J, Studenovsky M, Malina J, Kasarkova J, Liskova B, Novakova O, Ulbrich K, Brabec V.

Biochem Pharmacol. 2011 Aug 1;82(3):227-35.

Cellular response to antitumor cis-Dichlorido platinum(II) complexes of CDK inhibitor Bohemine and its analogues.

Liskova B, Zerzankova L, Novakova O, Kostrhunova H, Travnicek Z, Brabec V.

Chem Res Toxicol. 2012 Feb 20;25(2):500-9.

Bipyrimidine ruthenium(II) arene complexes: structure, reactivity and cytotoxicity.

Betanzos-Lara S, Novakova O, Deeth RJ, Pizarro AM, Clarkson GJ, Liskova B, Brabec V, Sadler PJ, Habtemariam A.

J Biol Inorg Chem. 2012 Oct;17(7):1033-51.

Conformation and recognition of DNA damaged by antitumor cis-dichlorido platinum(II) complex of CDK inhibitor bohemine.

Novakova O, Liskova B, Vystreilova J, Suchankova T, Vrana O, Starha P, Travnicek Z, Brabec V.

Eur J Med Chem. 2014 May 6;78:54-64.

Effect of defined green tea extract in various dosage schemes on drug-metabolizing enzymes in mice in vivo

Petra Matoušková, Hana Bártíková, Iva Boušová, Barbora Szotáková, Jan Martin, Jana Skorkovská, Veronika Hanušová, Veronika Tománková, Eva Anzenbacherová, Barbora Lišková, Pavel Anzenbacher, Lenka Skálová

Journal of functional foods 10 (2014) 327–335

Influence of diet supplementation with green tea extract on drug-metabolizing enzymes in a mouse model of monosodium glutamate-induced obesity.

I. Boušová, P. Matoušková, H. Bártíková, B. Szotáková, V. Hanušová, V. Tománková, E. Anzenbacherová, B. Lišková, P. Anzenbacher, L. Skálová.

Eur J Nutr. 2015 Feb 8. [Epub ahead of print]

Altered cytochrome P450 activities and expression levels in liver and intestines of monosodium glutamate-induced mouse model of human obesity

Veronika Tomankova, Barbora Liskova, Lenka Skalova, Hana Bartikova, Iva Bousova, Lenka Jourova, Pavel Anzenbacher, Jitka Ulrichova, Eva Anzenbacherova

<b>CONFERENCES</b>
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13 – 14.05.2011

COST Chemistry D39, Working group meeting D39/0004/06, "Analysis of DNA Damage by Metal-Based Compounds", Brno, Czech Republic, (oral presentation)

Cytotoxicity, uptake and DNA interactions of new antitumor cisplatin analogs containing cytokinin ligands

Barbora Liskova, Olga Novakova, Lenka Zerzankova, Hana Kostrhunova, Zdenek Travnicek, Viktor Brabec

18. – 22.5.2014

20th International Symposium on Microsomes and Drug Oxidations, Stuttgart, Germany (poster)

Influence of American cranberry on gene expression and activity of cytochromes P450 (CYP) in mouse liver

Barbora Lišková, Pavel Anzenbacher, Veronika Tománková, Lenka Jourová, Eva Anzenbacherová, Hana Bártíková, Iva Boušová, Lenka Skálová

23 - 26.9.2014

TOXCON 2014: Connecting for Safer Europe, Stara Lesna, Slovak Republic (poster)

Influence of American cranberry on gene expression and activity of cytochromes P450 (CYP) in liver of monosodium glutamate-induced mouse

Barbora Lišková, Pavel Anzenbacher, Veronika Tománková, Lenka Jourová, Eva Anzenbacherová, Hana Bártíková, Iva Boušová, Lenka Skálová

16. – 19.3.2015

XXVIII. Xeno-biochemical Symposium, Kremnica, Slovak Republic (poster)

Influence of green tea extract in various dosage schemes on gene expression of cytochromes P450 (CYP) in mouse liver

Barbora Lišková, Pavel Anzenbacher, Veronika Tománková, Lenka Jourová, Hana Bártíková, Iva Boušová, Lenka Skálová, Eva Anzenbacherová

Olomouc 2.7.2015.