

# CURRICULUM VITAE

## ***Dr. Krisztina Kőhalmy PhD***

Qualifications: MSc in Chemistry (2004, ELTE-TTK)  
PhD in Biology (2010, ELTE-TTK)

### **STUDIES**

**1996-2004:** Diploma of Chemistry, specialization in pharmacology, ELTE Faculty of Science, Department of Chemistry, Budapest

**2005-2008:** Doctoral Degree, ELTE Faculty of Science, Doctoral School of Biology, Structural Biochemistry Program, Budapest

**2010:** PhD in Biology, (Structural Biology) summa cum laude qualification  
Topic of the doctoral dissertation: Investigation of cytochrome P450 induction induced by steroid type compounds in human hepatocytes

**2017-Current:** Clinical Biochemist Training, Faculty of Medicine, Department of Laboratory Medicine, Semmelweis University, Budapest

### **LANGUAGES**

English - Intermediate Advanced Language Exam  
German - Comprehensive Language Exam

### **OTHER EDUCATION**

Advanced radiation protection knowledge (BME Institute of Advanced Engineering)

### **WORKPLACES**

**2004-2010:** Hungarian Academy of Sciences, Chemical Research Center, Department of Pharmacobiochemistry

**2010-Current:** National Institute of Oncology, Department of Biochemistry

### **INTERNATIONAL INTERNSHIP**

**2005-2006:** 2x 2 months as a visiting researcher at the Molecular Biology Medical Center of the Institute of Biochemistry, Medical Faculty, University of Ljubljana, Ljubljana (Hungarian-Slovenian Intergovernmental S & T Cooperation Programme)  
*Research topic: The cross-talk of cholesterol homeostasis and drug metabolism*

**2009-2010:** 3x 2 weeks as a visiting researcher at the Department of Cell Biology and Genetics, Faculty of Science, Palacky University, Olomouc (Hungarian-Czech Intergovernmental S & T Cooperation Programme)  
*Research topic: Investigation of the role of steroids in the aryl hydrocarbon cellular signalling*

## AWARDS

**2006:** poster prize I prize by the Hungarian Society for Experimental and Clinical Pharmacology

Pharmacokinetics and Drug Metabolism Symposium, Mátraháza

Poster: Avoiding polymorphic metabolism of a series of new AMPA antagonists by NAT2

**2008:** FEBS YTF Grant by Federation of European Biochemical Societies (FEBS)

1 week FEBS Course, Cytochrome P450 Systems: from Structure to Application, Kranjska Gora, Slovenia

## SOCIETY MEMBERSHIPS

**2004-Current:** Membership of Society of Hungarian Toxicologists

**2008-Current:** Hungarian Biochemical Society membership

**2010-Current:** Membership of the Hungarian Oncological Association

**2013-Current:** European Association for Cancer Research (EACR) membership

## INSTRUCTIONAL ACTIVITIES

**2016-Current:** Internship training for undergraduate students (chemical, bio and genetic engineers)

## OTHER ACTIVITY

**2018-current:** Translating of international papers for the Hungarian Oncology and Hematology Journal

## RESEARCH EXPERIENCES

- Cytochrome P450 enzyme induction, drug metabolism and drug interaction studies, *in vitro* (Chemical Research Center)
- Examining the cross-talk of cholesterol homeostasis and drug metabolism as a participant of the 6th European Framework Program Steroltalk (Chemical Research Center)
- Investigation of the role of glucocorticoids in the function of the aromatic hydrocarbon receptor cell signal in primary human hepatocytes (Chemical Research Center)
- Toxicity studies on tumor cell lines (A549, HepG2) and in primary human hepatocytes (Chemical Research Center)
- Transfection studies on tumor cell lines (MCF-7, HepG2) (Chemical Research Center)
- Opportunities for optimal medication therapy for psychiatric patients (determining blood levels of different drugs, genotyping) (Chemical Research Center)
- Study of the relevance of steroid sulfatase in connection with the expression of steroid receptors and/or HER2 in postmenopausal breast cancer patients (National Institute of Oncology)
- Investigation of the role of inhibin B as a potential serum tumor marker in ovarian cancer patients with granulosa cell tumors (National Institute of Oncology)
- Determination of serum parameters, and circulating biomarkers, in prostate cancer related to progression and efficacy of therapy applied (National Institute of Oncology)
- Investigation of the significance of serum TARC concentration determination in classical Hodgkin's lymphoma (National Institute of Oncology)