

# Veronika Biddle

## Personal data

**Address:** Vídeňská 1083, 142 20  
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## Education

2015 - present  
PhD degree  
Charles University in Prague, Czech Republic, Faculty of Science,  
Institute of Molecular Genetics of the Czech Academy of Sciences  
Study program: developmental and cell biology  
Thesis: Analysis of functional interactions of phospholipids in the cell nucleus  
Supervisor: prof. RNDr. Pavel Hozák, DrSc.

2013 - 2015  
Master degree  
Comenius University in Bratislava, Slovakia, Faculty of Natural Sciences,  
Institute of Chemistry, Slovak Academy of Sciences  
Study program: biochemistry  
Thesis: The role of kinase domain of Ire1 protein in its activation as a response to  
endoplasmic reticulum stress in yeast  
Supervisor: Ing. Sergej Šesták, PhD.

2010 - 2013  
Bachelor degree  
Comenius University in Bratislava, Slovakia, Faculty of Natural Sciences,  
Department of Organic chemistry  
Study program: biochemistry  
Thesis: Nucleoside analogues as medicinal drugs against hepatitis  
Supervisor: doc. RNDr. Martin Putala, CSc.

## Publications

Fáberová V, Kalasová I, Krausová A and Hozák P (2020) Super-resolution localisation of nuclear PI(4)P and identification of its interacting proteome. *Cells* 9(5): 1191. doi:10.3390/cells9051191.

Castano E, Yildirim S, Fáberová V, Krausová A, Uličná L, Paprčková D, Sztacho M, Hozák P. (2019) Nuclear phosphoinositides - versatile regulators of genome functions. *Cells* 8(7): 649. doi: 10.3390/cells8070649.

Sobol M, Krausová A, Yildirim S, Kalasová I, Fáberová V, Vrkoslav V, Philimonenko V, Marášek P, Pastorek L, Čapek M, Lubovská Z, Uličná L, Tsuji T, Lísa M, Cvačka J, Fujimoto T, Hozák P. (2018) Nuclear phosphatidylinositol 4,5-bisphosphate islets contribute to efficient RNA polymerase II-dependent transcription. *J Cell Sci* 131(8): jcs211094. doi: 10.1242/jcs.211094.

Uličná L, Paprčková D, Fáberová V, Hozák P. (2018) Phospholipids and inositol phosphates linked to the epigenome. *Histochem Cell Biol* 150(3): 245-253. doi: 10.1007/s00418-018-1690-9.

Kalasova I, Fáberová V, Kalendová A, Yildirim S, Uličná L, Venit T, Hozák P. (2016) Tools for visualization of phosphoinositides in the cell nucleus. *Histochem Cell Biol* 145(4): 485-496. doi: 10.1007/s00418-016-1409-8.

### **Work experience**

August 2015 – present

The Czech Academy of Sciences, Institute of Molecular Genetics

Acquired skills: biochemical, microbiological and molecular biology methods (preparation of recombinant proteins, protein purification, nucleic acid isolation, cloning), cell culture, protein binding assays, lipid binding assays, elementary and advanced microscopy methods including super-resolution methods (STED, SIM), processing and analysis of microscopy images.

September 2013 – May 2015

Slovak Academy of Sciences, Institute of Chemistry

Acquired skills: basic microbiological and biochemical methods, cloning and restriction analysis of DNA, PCR, DNA and RNA isolation, bacterial and yeast transformation, spotting assay in general, recombinant protein preparation, protein purification, chromatography – affinity, ion exchange, gel-filtration; SDS-PAGE, Western blot.

September 2012 – May 2013

Comenius University in Bratislava, Slovakia, Faculty of Natural Sciences, Department of Organic chemistry

Acquired skills: stereoselective synthesis, basic substitution and addition reactions.

### **Language skills**

English – advanced (level C1)

French – beginner (level A2)

Spanish – beginner (level A1)

### **Computer skills**

MS Office, Adobe, FiJi, Huygens Professional

### **Characteristics and interests**

Communication and organisation skills, quick learner, *ambitious*, curious, flexible

### **References**

Ilona Kalasová, PhD.

Institute of Molecular Genetics, The Czech Academy of Sciences, Laboratory of Genome Dynamics

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prof. RNDr. Pavel Hozák, D.Sc.

Institute of Molecular Genetics, The Czech Academy of Sciences, Laboratory of Biology of the Cell Nucleus

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