

JARMILA KRÁLOVÁ

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Nationality: Czech
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EDUCATION

PhD Charles University in Prague, Faculty of Science August 2012-now
Study program: Immunology

Institute of Molecular Genetics of the ASCR
Laboratory of Leukocyte signaling
Research Topic: New leukocyte transmembrane adaptor proteins
Advisor: Mgr. Tomáš Brdička PhD.

State exam from Molecular biology and Immunology June 2015

MS Charles University in Prague, Pharmaceutical Faculty 2007-2012
Thesis: Zinc induced activation of breast cancer cell lines
and the involvement of MAP kinases
defended at Pharmacology department

Cardiff University, United Kingdom 2011
School of Pharmacy and Pharmaceutical Sciences
Laboratory internship in Breast Cancer (Molecular Pharmacology) Group
Erasmus study program

AWARDS

Student Grant 2016-2018
Grant Agency of Charles University (GAUK)
Supported project: Analysis of the function of Src family kinases in selected
myeloid cell subsets with the use membrane-targeted Csk kinase.

RESEARCH AND WORK EXPERIENCE

- Institute of Molecular Genetics of the ASCR, Prague** **2012-now**
Laboratory of Leukocyte signaling
PhD student: performing methods of molecular biology and biochemistry, independent analysis of immune system of knock-out mice strains (multiparametric flow cytometry phenotype analysis and microscopy), immune function evaluating assays (ELISA, proliferation and differentiation assays), western blotting, PCR (including qPCR), cloning, transfections, infections, cell and tissue cultures, experience in work with laboratory mice etc.
- Community pharmacy trainee experience (6 months together) 2011-2012
- Hospital pharmacy in Hradec Králové (Fakultní nemocnice HK)
- Community pharmacy in Brno (Lékárna u Panny Marie Vítězné)
- Community pharmacy in Germany (in Annaberg Buchholz)
- Cardiff University UK, School of Pharmacy and Pharmaceutical Sciences summer 2011
Laboratory internship in Breast Cancer (Molecular Pharmacology) Group
Four months internship in the laboratory (master student level) – involvement in ongoing lab projects, learning methods of molecular biology and biochemistry
- Charles University in Prague, Pharmaceutical Faculty 2007-2010
Group of Organic chemistry
Synthesis of organic molecules (coupling reactions)

PUBLICATIONS

- Kralova J**, Glatzova D, Borna S, Brdicka T. Expression of Fluorescent Fusion Proteins in Murine Bone Marrow-Derived Dendritic Cells and Macrophages
2018 In press, Journal of Visualized Experiments
- Kralova J**, Fabisik M, Pokorna J, Skopcova T, Malissen B, Brdicka T
The Transmembrane Adaptor Protein SCIMP Facilitates Sustained Dectin-1 Signaling in Dendritic Cells.
J Biol Chem. 2016 Aug 5, 291(32):16530-40. doi: 10.1074/jbc.M116.717157.
- Drobek A, **Kralova J**, Skopcova T, Kucova M, Novák P, Angelisová P, Otahal P, Alberich-Jorda M, Brdicka T
PSTPIP2, a Protein Associated with Autoinflammatory Disease, Interacts with Inhibitory Enzymes SHIP1 and Csk.
J Immunol. 2015 Oct 1; 195(7):3416-26. doi: 10.4049/jimmunol.1401494.

LANGUAGES

Czech: Native speaker

English: Advanced (C1), FCE Certificate (B2) – passed 2009

German: Intermediate, Zertifikat B2 – passed 2011

Spanish: Intermediate

OTHER SKILLS

Computer skills (MS Office – Word, Excel, PowerPoint, ordering in VERSO etc.)

Data analyzing skills (Statistical program GraphPad Prism, FlowJo for cytometrical data)

Certificate for working with animals

Driving license

Communication skills