

Veronika, Némethová, MSc.

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Education

2009-2011

Master's degree, MSc.

Molecular biology and genetics – Passed with Honours

Faculty of Sciences, Masaryk University Brno, Brno, Czech Republic

2006-2009

Bachelor's degree, BSc.

Molecular biology and genetics – Passed with Honours

Faculty of Sciences, Masaryk University Brno, Brno, Czech Republic

Professional training

2013

Completion of specialized training (Institute for Postgraduate Education – „IPE“): BIOFARM module for study programs clinical biochemistry, allergology and clinical immunology, clinical genetics, nuclear medicine

Completion of specialized training – IPE: Generic module for study programs clinical biochemistry, allergology and clinical immunology, clinical genetics, nuclear medicine

Completion of specialized training – IPE: SLP module for study programs clinical biochemistry, allergology and clinical immunology, clinical genetics, nuclear medicine

Completion of specialized training – IPE: CHESTAT module for study programs clinical biochemistry, allergology and clinical immunology, clinical genetics, nuclear medicine

2012

Completion of specialized training – IPE: ANAL module for study programs clinical biochemistry, allergology and clinical immunology, clinical genetics, nuclear medicine

Completion of specialized training – IPE: MIPREM module for study programs clinical biochemistry, allergology and clinical immunology, clinical genetics, nuclear medicine

Enrollment to specialized training: Clinical genetics

Certificate – IPE: Professional in medical laboratory methods

Completion of specialized training – IPE: Medical module

Completion of specialized training – IPE: Starting medical module

Completion of specialized training – IPE: General work principles in medical laboratories

Completion of specialized training – IPE: First aid

Completion of specialized training – IPE: Basics of healthcare legislation

Working position(s)

2014 –

Research Scientist

Department for Biomaterials Research, Polymer Institute of the Slovak Academy of Sciences, Bratislava, Slovak Republic

2011 – 2014

Research Scientist – Specialist in laboratory methods and drug preparation

Department of Internal Hematology and Oncology, Centre of Molecular Biology and Gene Therapy, Faculty Hospital Brno, Brno, Czech Republic

List of publications

Musilova M, Razga F, Jurcek T, Jeziskova I, Borsky M, **Nemethova V**, Dvorakova D, Mayer J, Racil Z. *BCR-ABL1* Kinase Domain Mutational Analysis of CD34+ Stem/Progenitor Cells by Next-Generation Sequencing. *American Journal of Hematology*. 2014. Accepted, IF: 4.00

Navrkalova V, Sebejova L, Zemanova J, Kminkova J, Kubesova B, Malcikova J, Mraz M, Smardova J, Pavlova S, Doubek M, Brychtova Y, Potesil D, **Nemethova V**, Mayer J, Pospisilova S, Trbusek M. ATM mutations uniformly lead to ATM dysfunction in chronic lymphocytic leukemia: application of functional test using doxorubicin. *Haematologica*. 2013; 98(7): 1124-31, IF: 5.94

Štěpanovská K, Vaňková G, **Némethová V**, Tomášiková L, Šmuhařová P, Divíšková E, Vallová V, Kuglík P, Plevová K, Oltová A, Doubek M, Pospíšilová S, Mayer J. Chromosome banding analysis of peripheral blood lymphocytes stimulated with IL2 and CpG oligonucleotide DSP30 in patients with chronic lymphocytic leukemia. *Klin Onkol*. 2013; 26(4): 263-70

Conference proceedings

Némethová V, Divíšková E, Šmuhařová P, Štěpanovská K, Tomášiková L, Vaňková G, Oltová A. Kontroverzná problematika variantných translokácií u pacientov s CML. 46. Výročná konferencia Cytogenetickej sekcie Čs. biologickej spoločnosti. 2013

Borsky M, **Nemethova V**, Razga F, Mayer J, Racil Z. Normal hematopoietic stem cells can be detected in newly diagnosed chronic myeloid leukemia patients and leukemic stem cells can be detected in CML patients after therapy by a multi-technique approach using antigen CD26. In International Conference – Analytical Cytometry VII. 2013

Borsky M, **Nemethova V**, Razga F, Mayer J, Racil Z. Surface antigen CD26 as a marker for purification of CML stem cells. In Stem cells and cell therapy: from research to modern clinical application. 2013

Mayer J, Pavlik T, Janousova E, Klamova H, Zackova D, Racil Z, Machova Polakova K, **Nemethova V**, Brezinova J, Cetkovsky P, Dusek L. Estimation of the Current Survival Survival Measures in Chronic Myeloid Leukemia: Methodology and New Software Tools. In *Haematologica*. 2013; 98(s1): 55. 2013

Technology transfer activities - Patent(s)

Razga F, **Nemethova V.** Enhanced specificity and selectivity of antisense systems for cancer therapy: targeted inhibition of causal fusion genes, filed 25/14 3.1, in progress 2014

Razga F, **Nemethova V.** Immune-inertness: Morpholino-modified surfaces of materials for *in vivo* biomedical applications, filed 26/14 3.1, in progress 2014