

CURRICULUM VITAE

PERSONAL INFORMATION

Family name, First name: **Moudrá, Alena**
Researcher unique identifier(s) (ORCID): <https://orcid.org/0000-0003-3465-7812>
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EDUCATION

- since 2013 **Faculty of Science, Charles University, Czech Republic**
PhD studies in Molecular and Cell Biology, Genetics and Virology
- 2009 - 2008 **Faculty of Science, Masaryk University, Czech Republic**
Master's degree (Mgr.) in General Biology
- 2008 **Faculty of Mathematics and Science, Brock University, Ontario, Canada**
Part-time undergraduate student
Studies: BCHM 3P02 Protein Structure and Function
BIOL 3P95 Techniques in Biochemistry and Molecular Biology
- 2007 - 2004 **Faculty of Science, Masaryk University, Czech Republic**
Bachelor Degree with Honors (Bc.) in General Biology

CURRENT POSITION

Since July 2016 PhD student with **Dr. Štěpánek**
Laboratory of Adaptive Immunity, Institute of Molecular Genetics of the
Czech Academy of Sciences

PREVIOUS POSITIONS

- 2013 – 2016 PhD student with **MUDr. Hodný, Ph.D.**
Department of Genome Integrity, Institute of Molecular Genetics of the
Czech Academy of Sciences
- 2010 - 2011 Research assistant with **Prof. Zarembek**
Department of Biological Sciences, University of Calgary, Calgary,
Alberta, Canada
- 2008 - 2009 Master student with **Prof. Barták**
Department of Experimental Biology, Faculty of Science, Masaryk
University, Brno, Czech Republic
- June 2008 – Aug 2008 Research assistant with **Prof. Hudlicky**
July 2007 – Aug 2007 Department of Chemistry and Centre for Biotechnology, Brock
University, St. Catharines, Ontario, Canada
- Sept 2007 – Dec 2007 Research assistant with **Prof. De Luca**
Department of Chemistry and Centre for Biotechnology, Brock
University, St. Catharines, Ontario, Canada

GRANTS AND AWARDS

- 2019 Annual award for the best research publication of the Institute of Molecular Genetics of the Czech Academy of Sciences for the year 2018, 2nd place
- 2007- 2008 TDC Research Foundation Inc. Fellowship Award

SELECTED PUBLICATIONS

Moudra, A., L. Minarik, M. Vancurova, J. Bartek, Z. Hodny, and A. Jonasova, NQO1*2 polymorphism predicts overall survival in MDS patients. **British Journal of Haematology**, 2019. 184(2): p. 305-308.

Pribikova, M., **A. Moudra**, and O. Stepanek, Opinion: Virtual memory CD8 T cells and lymphopenia-induced memory CD8 T cells represent a single subset: Homeostatic memory T cells. **Immunology Letters**, 2018. 203: p. 57-61.

Drobek, A. *, **A. Moudra***, D. Mueller, M. Huranova, V. Horkova, M. Pribikova, R. Ivanek, S. Oberle, D. Zehn, K.D. McCoy, P. Draber, and O. Stepanek, Strong homeostatic TCR signals induce formation of self-tolerant virtual memory CD8 T cells. **The EMBO Journal**, 2018: p. e98518.

* Equal contribution

Jonasova, A., R. Neuwirtova, H. Polackova, M. Siskova, T. Stopka, E. Cmunt, M. Belickova, **A. Moudra**, L. Minarik, O. Fuchs, K. Michalova, and Z. Zemanova, Lenalidomide treatment in lower risk myelodysplastic syndromes-The experience of a Czech hematology center. (Positive effect of erythropoietin +/- prednisone addition to lenalidomide in refractory or relapsed patients). **Leukemia Research**, 2018. 69: p. 12-17.

Moudra, A., S. Hubackova, V. Machalova, M. Vancurova, J. Bartek, M. Reinis, Z. Hodny, and A. Jonasova, Dynamic alterations of bone marrow cytokine landscape of myelodysplastic syndromes patients treated with 5-azacytidine. **Oncoimmunology**, 2016. 5(10): p. e1183860.

Chaudhary V., Leisch H., **Moudra A.**, Allen B., De Luca V., Cox P.D., Hudlicky T. (2009): Biotransformations of morphine alkaloids by fungi: N-demethylations, oxidations and reductions. **Collection of Czechoslovak Chemical Communications**. 2009, 74, 1179-1193.

INTERNATIONAL CONFERENCES ATTENDED

- 2019, January 19-23, Harald von Boehmer Midwinter Conference 2019: Advances in Immunobiology, Seefeld, Austria.
Poster presentation: The origin and relevance of antigen inexperienced memory T cells
- 2018, September 2-5 5th European Congress of Immunology, Amsterdam, Netherlands.
Short talk: Strong homeostatic TCR signals induce formation of self-tolerant virtual memory CD8 T cells
- 2016, September 3- 7 12th EFIS-EJI Tatra Immunology Conference, Štrbské Pleso, Slovakia.

Poster presentation: Homeostatic TCR signals desensitize low-affinity TCR responses via inducing virtual memory

2015, December 5-8 57th Annual Meeting ASH, Orlando, Florida, US

Poster presentation: Changes of pro-inflammatory cytokines in bone marrow of MDS patients in response to treatment with 5-azacytidine

2015, April 29 – May 2 Myelodysplastic syndromes symposium, Washington, DC, US

Poster presentation: NQO1*2 polymorphism does not predict overall survival in higher risk MDS patients treated with 5-azacytidine

2013, December 5-10 55th Annual Meeting ASH, New Orleans, Louisiana, US

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