

CURRICULUM VITAE

Name and surname: Mgr. Jakub Novák

UNIVERSITY EDUCATION

- 2014 - present **PhD program: Developmental and Cell Biology**, Faculty of Science, Charles University
- 2009 - 2011 **Master of Science in Cell and Developmental Biology - specialization Developmental biology**, Faculty of Science, Charles University
- 2009 - 2010 **Molecular Bioengineering - Erasmus stay**, The Biotechnology Center (BIOTEC) of the Technical University Dresden
- 2006 - 2009 **Bachelor of Science in Molecular biology and Biochemistry of Organisms**, Faculty of Science, Charles University

WORK EXPERIENCE

- 2020 – present **Access Partner, ROCHE s.r.o., Prague**
- 2014 - present **PhD student, Institute of Microbiology, ASCR, v.v.i., Laboratory of Molecular Biology of Bacterial Pathogens, Prague**
Advisor: Prof. Peter Sebo; Thesis topic: “Mechanism of immunosubversive signaling of adenylate cyclase toxin in phagocytes.”
- 2017 – present **Member and chair, Brewing collective Klíneč-Katz, Prague**
Gypsy/flying brewery specialized in top-fermented craft beers.
- 2014 – present **External contributor, A2, cultural fortnightly magazine, Prague**
Dance and theater reviews.

- 2010 - 2014 **Journalist, Aktualne.cz, online daily, Prague**
Fields of interest: Parliamentary reporting, education, science and research policy, public tenders, EU funds; book and dance reviews.
- 2009 - 2010 **Master student, Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG), Dresden**
Advisors: Christian Eckmann, Ph.D. (MPI-CBG), David Stanek, Ph.D. (IMG CAS); Diploma thesis: „Analysis of regulation of cytoplasmic poly(A) polymerase complexes.“
- 2008 - 2009 **Bachelor student/research assistant, Institute of Molecular Genetics AS CR, Dept. Cell and Developmental Biology, Prague**
Advisor: Vladimir Korinek, Ph.D.; Bachelor thesis: „Wnt signaling in the cell nucleus.“
- 2007 – 2008 **Bachelor student/trainee, Institute of Molecular Genetics AS CR, Dept. Of Tumour Immunology, Prague**
Advisor: Milan Reinis, Ph.D.
- 2005 - 2006 **Research visits during high school studies, Laboratory of Cellular Immunology, Faculty of Natural Sciences, Charles University, Prague**

COURSES, WORKSHOPS

- 2020 **Advanced course of Applied Pharmacoeconomics**
- 2018 – 2019 **Semestral course „Management of Science and Innovation 2“, Centre for Knowledge and Technology Transfer, Charles University, Prague**
- 2018 **6th International Summer School on Technology Transfer in Life Sciences, Dresden**

PUBLICATIONS

- **Novák J**, Jurnečka D, Linhartová I, Holubová J, Staněk O, Štipl D, Dienstbier A, Večerek B, Azevedo N, Provazník J, Beneš V, Šebo P. (2020)
A Mutation Upstream of the rplN-rpsD Ribosomal Operon Downregulates Bordetella pertussis Virulence Factor Production without Compromising Bacterial Survival within Human Macrophages. mSystems.
- **Novák J**, Fabrik I, Jurnečka D, Holubová J, Staněk O, Šebo P. (2020)
Bordetella pertussis acetylome is shaped by the lysine deacetylase Bkd1. J Proteome Res.
- **Novák J**, Fabrik I, Linhartová I, Link M, Černý O, Stulík J, Šebo P. (2017)
Phosphoproteomics of cAMP signaling of Bordetella adenylate cyclase toxin in mouse dendritic cells. Sci Rep.
- **Novak J**, Cerny O, Osickova A, Linhartova I, Masin J, Bumba L, Sebo P, Osicka R (2017)
Structure-Function Relationships Underlying the Capacity of Bordetella Adenylate Cyclase Toxin to Disarm Host Phagocytes. Toxins (Basel). Review
- Millonigg S, Minasaki R, Nousch M, **Novak J**, Eckmann CR (2014)
GLD-4-mediated translational activation regulates the size of the proliferative germ cell pool in the adult C. elegans germ line. PLoS Genet.
- Lukas J, Mazna P, Valenta T, Doubravska L, Pospichalova V, Vojtechova M, Fafilek B, Ivanek R, Plachy J, **Novak J**, Korinek V (2009)
Dazap2 modulates transcription driven by the Wnt effector TCF-4. Nucleic Acids Res

OTHER ACTIVITIES

2018 Co-organizer of **9th Developmental & Cell Biology PhD conference**

2017

Co-organizer of **8th Developmental & Cell Biology PhD conference**

GRANTS

Charles University Grant Agency project No. 228216 – „*Analysis of chromatin alterations induced by Bordetella pertussis infection and identification of their potential bacterial triggers*“ - principal researcher (2016-2018)

LANGUAGE SKILLS

English - very good (fluent)

German – basic skills

French – basic skills

MISCELLANEOUS QUALIFICATIONS

Computer Literacy:

- Word Processing (Microsoft Word, Corel Word Perfect etc.)
- Spreadsheet Analysis (MS Excel)
- Presentation Programs (MS PowerPoint)
- Bioinformatics

Public relations, text editing

Driving license: Category B

HOBBIES AND SPORTS

Contemporary dance, gardening and electronic music.