CURRICULUM VITAE

Nico Hüttmann

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I. Education and Qualifications

Jan 2018 - Dec 2021 **M.Sc. in Chemistry**
University of Ottawa, Ottawa, Canada
Supervisor: Prof. Maxim V. Berezovski
Thesis title: "Surface Proteome of Extracellular Vesicles and Correlation Analysis for Identification of Breast Cancer Biomarkers"

Oct 2014 - Oct 2017 **B.Sc. in Biomolecular Engineering**
Technische Universität Darmstadt, Darmstadt, Germany
Bachelor thesis supervised by Prof. Michael Przybylski

II. Work Experience

May 2022 – to date **AffyMSLifeChem, Centre for Analytical Biochemistry and Biomedical Mass Spectrometry, Rüsselsheim am Main, Germany**
Research scientist
MALDI-MS-based epitope determination of antibody/aptamer-protein complexes
SPR-affinity measurements
RNA aptamer selection in collaboration with Süß lab, TU Darmstadt

Jan 2022 – to date **John L. Holmes Mass Spectrometry Facility, University of Ottawa, Ottawa, Canada**
Part-time data analyst
Proteomics and metabolomics data analysis
Project discussion and experimental design

May - Dec 2020 **University of Ottawa, Faculty of Science, Ottawa, Canada**
Scientific assistant
Proteomics data analysis for Berezovski lab and JLHMS facility

Jan 2018 - Apr 2020 **University of Ottawa, Faculty of Science, Ottawa, Canada**
Teaching assistant

Sep 2017 - May 2021 **Steinbeis Centre for Biopolymer Analysis and Biomedical Mass Spectrometry, Rüsselsheim am Main, Germany**
Scientific assistant

Mar - Aug 2017 **Steinbeis Centre for Biopolymer Analysis and Biomedical Mass Spectrometry, Rüsselsheim am Main, Germany**
Bachelor student

III. Competences and Interests

German	Native language
English	Professional working proficiency Cambridge First Certificate in English, Council of Europe Level B2 IELTS Academic, Overall: 7.5 (2018)
French	Elementary proficiency Diplôme d'Études en Langue Française (DELF), niveau A1 Student exchanges (2010/11/12)
Computer Skills	R (incl. RMarkdown, Shiny, Bioconductor, tidyverse, etc.) Basic knowledge of Python, Java

IV. Conferences

05. - 09. Jun 2022	**70th ASMS Conference on Mass Spectrometry and Allied Topics** Poster presentation: "Epitope identification of SARS-CoV-2 variant spike protein antibodies by SPR-MALDI-MS provides molecular insight for immune diagnostics"
10. - 13. Aug 2020	**36th Trent Conference on Mass Spectrometry, virtual meeting** Oral presentation: "Understanding Proteomics Data of Extracellular Vesicles in Network Concepts"
24. - 28. May 2020	**103rd Canadian Chemistry Conference and Exhibition (CCCE), virtual meeting** Poster presentation by M. Berezovski: "Aptamer-Facilitated Biomarker Discovery of Extracellular Vesicles"
23. - 24. Apr 2020	**Ottawa Extracellular Vesicle e-Symposium, virtual meeting** Oral presentation: "Understanding EVs in Network Concepts"
07. - 08. Nov 2019	**Workshop & Innovation Conference: "Mass spectrometry in Medical Technology", Rüsselsheim am Main, Germany** Poster presentation: "Multiple Hypothesis Scoring Algorithm for High-Throughput Aptamer-Protein Target Identification"
05. - 10. May 2019	**8th Congress of the International BioIron Society, Heidelberg, Germany** Poster presentation by Dr. Pantopoulos: "Hemojuvelin deficiency predisposes mice to hepatocellular cancer"
20. - 24. Aug 2018	**1. Int. Symposium & Summer School: "Mass Spectrometry in Medical Technology and Biotechnology", Rüsselsheim am Main, Germany** Poster presentation: "AptaBiD as a method for Sgc8-aptamer molecular target identification using flow cytometry and mass spectrometry"
14. - 15. Nov 2016	**2. Int. Workshop "Affinity - Mass spectrometry - New Methods and Application to Protein Therapeutics Development", Rüsselsheim am Main, Germany** No contribution

V. Instructing/Mentoring

31. Aug - 2. Sep '22 **Workshop: "Data Analysis for Metabolomics and Proteomics"**
Demonstration of basic data types from proteomics and metabolomics experiments, data handling, qualitative and quantitative methods and biological data bases

Jul 2020 - Apr 2021 **Supervision of Honours Project, Dr. Maxim Berezovski, University of Ottawa**
Abdullah Khraibah, "Comparative proteomics of EVs after coronavirus infection"

Dec 2020 **Development of Undergraduate lab experiment, Dr. Berezovski**
BIM 4316 Modern Bioanalytical Chemistry

28. - 30. May 2019 **Workshop: "Sample preparation for Mass Spectrometry based Bottom-Up Proteomics" organized by Dr. Zoran Minic**
Demonstration of sample preparation, Presentation on data processing using MaxQuant and ProteomeDiscoverer

2018/2019 **Graduate Course (M.Sc, Ph.D.): Analytical Approach to Chemical Problems: Mass Spectrometry-Based Proteomics (26 students), lecturer: Dr. Zoran Minic, University of Ottawa**
Demonstration data processing using MaxQuant and ProteomeDiscoverer

VI. Publications

Jul 2020 - Apr 2021 **Supervision of Honours Project, Dr. Maxim Berezovski, University of Ottawa**
Abdullah Khraibah, "Comparative proteomics of EVs after coronavirus infection"

Google Scholar