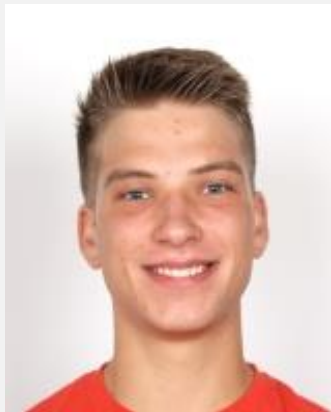


Marek FEITH



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Na Hrázi 87/21
664 91 Ivančice, CZ

Czech nationality
Born 22/09/1996

PERSONALITY

Open-minded
Responsible
Motivated
Team-worker

LANGUAGES

Czech	Native
English	Fluent

PS SKILLS

MS Office
Q-Phase
ImageJ/Fiji
Acquarium
Prezi
ZEN

HOBBIES

Cycling
Floorball
Tennis
Running
Hiking in nature

DRIVING LICENCE

Category B (active)

EDUCATION

09/2019 – 06/2021 **Analytical biochemistry, Master Programme**
Brno, CZ Faculty of Science, Masaryk University

- Thesis: Detection and analysis of tumor cells using fluorescent molecularly imprinted polymers and 3D holographic microscopy
- Graduated with honors

09/2016 – 06/2019 **Biochemistry, Bachelor Programme**
Brno, CZ Faculty of Science, Masaryk University

- Thesis: Effect of fluorescent excitation used in fluorescent microscopy on morphological and dynamical properties of cell culture *in vitro*

09/2012 – 06/2016 **Science-specialized lyceé**
Brno, CZ Secondary Technical School of Chemistry

- Thesis: Analysis of selected markers in primary cell lines of the head and neck squamous cell carcinoma

PROFESSIONAL EXPERIENCE

02/2014 – 08/2021 **Research Assistant**
Brno, CZ Faculty of Medicine, Masaryk University

- Member of Cancer Research Lab headed by Dr. Michal Masarik (www.med.muni.cz/masariklab/)
- Cultivation of cell lines, analysis of proteins and nucleic acids from patient samples and cancer cells using ELISA, WB, PCR
- Characterization of cancer cells using quantitative phase imaging (QPI, Q-Phase microscope), image analysis

02/2021 – 08/2021 **Application Specialist**
Brno, CZ Telight Brno, s.r.o.

- Part-time job in a start-up company focused on light microscopy
- Execution of biological experiments using Q-Phase microscope, presentation of the QPI technology to customers/distributors, participation on conferences, software debugging
- Close collaboration with the marketing department, website editing

09/2020 – 01/2021 **Research Intern**
Vienna, AT Institute of Molecular Biotechnology, Academy of Sciences

- Full-time scientific stay in the research group of Prof. Josef Penninger
- Involved in project GlyCANswer which aims to unravel the interplay between breast and lung cancer glycoproteome and immune recognition
- Cultivation of cancer cell lines, mouse handling (genotyping, treatment, cancer induction), SDS-PAGE, WB, viability assays, flow cytometry, immunohistochemistry, protein extraction from cell culture and mouse tissues and quantification by BCA, click chemistry and protein pull-down

10/2019 – 06/2020 **Research Assistant**
Malmö, SWE Faculty of Health and Society, Malmö University

- Full-time scientific stay as a member of the research group headed by Prof. Anette Gjørloff Wingren at the Department of Biomedical Sciences
- Involved in the Marie Curie-ITN project Glycolmaging
- Cultivation of cell lines, research in the field of glycobiology of cancer cells and fluorescent molecularly imprinted polymers using methods: 3D digital holographic microscopy, flow cytometry, fluorescent microscopy, migration and viability assays, image analysis

07/2019 **Summer Research Student**
Dubna, RU Joint Institute for Nuclear Research

- Internship during the International Student Practise in the Laboratory of Radiation Biology
- Project: Detection and study of the formation and repair of DNA double-strand breaks after irradiation

AWARDS

Contipro Award – TOP 8:
Selected into the final round of competition for the best 8 diploma thesis in the Czech Republic (2021)

The Learned Society of the Czech Republic: *Award for Talented High School Students (2016)*

The Beijing Youth Science Creation Competition: *1. prize of Excellent Youth Science & Technology Project (2016)*

AMAVET: *Award of the Czech Association of Scientific and Technical Societies (2015)*

Czech Little Heads: *2. place (student equivalent of the Czech Head Award, 2015)*

Brno, University of Technology: *Best Conference Poster Award (2015)*

GRANTS AND SCHOLARSHIPS

University Scholarship for Excellent Study Results, for whole master programme, 2021 (1200 €)

Freemover Student Mobility Scholarship, 2020 (2640 €)

ERASMUS+ Traineeship Mobility Grant, 2019 – 2020 (5940 €)

Dean of the Faculty of Science Award for Support of Mobility, 2019 (680 €)

University Scholarship for Excellent Study Results, 2018 – 2019 (640 €)

Gifted Students Support Programme of the South Moravian Region, 2016 – 2019 (3600 €)

- Cultivation, irradiation, and fluorescence staining of cancer cells and human fibroblasts and their subsequent confocal microscopy analysis

06/2018 – 09/2018 **Lifeguard**
Germantown, USA High Sierra Pools

07/2016 – 09/2016 **Waiter, barman, receptionist**
Hvalfjördur, IS Hotel Glymur

COURSES

- Correlative materials characterization (DGM e.V., online, 2021)
- Course of basics of scientific work (CAS, online, 2021)
- Laboratory Animal Science for researchers – mouse (IMBA, Vienna, AT, 2020)
- Workshop on microanalytical techniques (SDU, Odense, DK, 2020)
- Processing and analysis of microscopic images in biomedicine (IMG CAS, Prague, CZ, 2019)
- American Red Cross lifeguard certification (First Aid/CPR/AED, Prague, CZ, 2018)
- Information sources in medicine and healthcare (Moravian Library, Brno, CZ, 2017)
- Clinical research in a nutshell (FNUSA-ICRC, Brno, CZ, 2016)
- Summer School of Protein Engineering held by Lochsmindt Laboratories (Brno, CZ, 2016)

RESEARCH PROJECTS

- Imaging and detection of tumor-associated glycan structures on tumor cells – Glycolmaging (EU Marie Curie ITN H2020-EU.1.3.1. No 721297), 2017 – 2021 (research worker)
- Quantitative phase microscopy for 3D qualitative characterization of cancer cells (GAČR 18-24089S), 2018 – 2020 (research worker)
- Molecular-genetic markers for prediction of radiotherapy response in head and neck cancer (AZV ČR-16-29835A), 2016 – 2020 (research worker)
- Study and characterization of tumor cell lines of primary squamous cell carcinoma of the head and neck and their malignant potential (IGA MZ ČR-NT14337-3/2013), 2013 – 2015 (research worker)

PUBLICATIONS

- Marek Feith is a co-author of 4 peer-reviewed publications and 9 conference abstracts
- Recent list of publications can be seen at:
<https://scholar.google.com/citations?user=UfbjBeEAAAAJ&hl=cs>
<https://www.researchgate.net/profile/Marek-Feith>