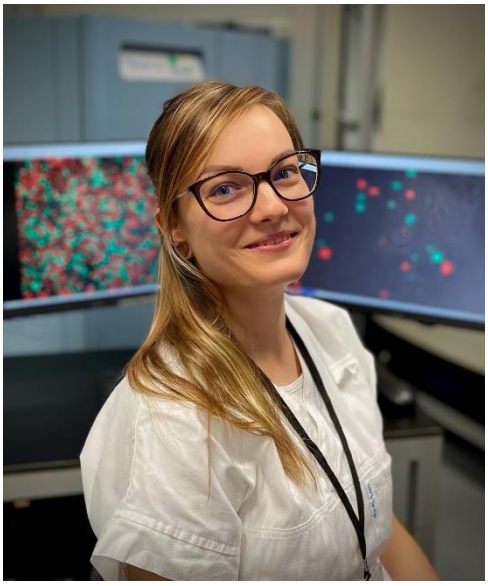

JARMILA STANKOVÁ

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ABOUT ME

I am a research assistant and Ph.D. candidate at the Institute of Molecular and Translational Medicine in Olomouc, Czech Republic. Since 2016 I have been participating in the research program Chemical Biology and Experimental Therapeutics, mainly focusing on new methods for molecular target identification, such as microscopy and proteomics methods. I joined the multi-omics group in 2020 and currently working on the proteomics part of the EATRIS-Plus project. I am a former rugby 7s player and a big sports lover.

PERSONALITY TRAITS

Honesty – Dedication – Empathy – Creativity - Fun

WORK EXPERIENCE

RESEARCH ASSISTANT | INSTITUTE OF MOLECULAR AND TRANSLATIONAL MEDICINE, PALACKY UNIVERSITY 2016-NOW

Cell analysis: fluorescent confocal microscopy, live cells imaging, flow cytometry
Proteomics analysis: HPLC-MS, proteomic profiling, SILAC analysis, thermophoresis
Data analysis: Columbus, ImageJ, Proteome Discoverer, MaxQuant, Skyline, Spectronaut, Perseus
Robotic platform operation: HighRes Bio with a wide range of instrumentation
Lab manager: SOP preparation, public tender preparation, instrumentation service handling (RM and PM)
Teaching: bachelor and diploma students
Results presentation skills and experience with working in an international team
Organization of “Proteomic Group Meetings”

MEDICAL LABORATORY PROFESSIONAL | OLOMOUC UNIVERSITY HOSPITAL |2020-2022

Covid-19 diagnostics, PCR testing, BSL 2-3 safety workflow (handling patient samples in BSL 2-3 safety condition)

EDUCATION

MASTER OF SCIENCE | FACULTY OF SCIENCE, PALACKY UNIVERSITY OLOMOUC, CZECH REPUBLIC | 2016

Experimental biologist – Medical and chemical biology / analytical chemistry – Thesis: Proteomic profile of CCRF-CEM cell line treated by 5-fluorouracil.

JS

JARMILA STANKOVÁ

RESEARCH ASSISTENT, PHD STUDENT

TRAINING AND PROFESSIONAL PRACTISE

ADVANCED PRACTICAL PROTEOMICS | EUROPEAN PROTEOMICS ASSOCIATION | VIENNA, AUSTRIA | 2018
Responsible teacher – Karl Mechtler, Subject of training – TMT Quantification, Cross-linking (XL-MS), Targeted proteomics by PRM, Proteome Bioinformatics

CHEMICAL PROTEOMICS | SCIENCE FOR LIFE LABORATORY, KAROLINSKA INSTITUTET | STOCKHOLM, SWEDEN | 2017
Responsible teacher – Massimiliano Gaetani and Roman Zubarev, Subject of training – Thermal proteom profiling (TPP), Functional identification of target by expression Proteomics (FITExP), Elucidation of the interaction interface and mapping of the binding site of a drug with its target protein by Hydrogen/Deuterium (H/D) exchange mass spectrometry (HDX MS)

MULTIPLEX PROTEINS ANALYSIS | PALACKY UNIVERSITY | OLOMOUC, CZECH REPUBLIC | 2013
Responsible teacher – Milan Raška, Subject of training – multiplex ELISA, imuno-PCR, Luminex

MEDICAL LABORATORY PROFESSIONAL | INTELMED S.R.O., OLOMOUC |JULY 2014
Laboratory work – FISH, immunohistochemistry, Comparative Genomic Hybridization - CGH, real-time PCR

MEDICAL LABORATORY PROFESSIONAL | CLINICAL BIOCHEMISTRY AND HEMATOLOGY S.R.O. |JULY 2013
Laboratory work – blood analysis and clinical testing for biochemistry and hematology

GRADUATED STUDENTS

ELIŠKA KŘESŤANOVÁ | DEFENSE IS PLANNED FOR 2024
Diploma thesis: Development of DIA method useful for plasma proteomic profiling of large sample cohort

ELIŠKA HLADÍKOVÁ | 2020
Bachelor thesis: Reporter lentiviral systems for subcellular localization

KATEŘINA JEČMEŇOVÁ | 2018
Bachelor thesis: Spectroscopic characteristics of used drugs and their use in the identification of molecular targets

AWARDS

Dean’s award for the best student research paper (2021)

JS

JARMILA STANKOVÁ

RESEARCH ASSISTENT, PHD STUDENT

PUBLICATION LIST – IMPACT FACTOR JOURNALS ONLY

(7) D. BARUCIC*, S. KAUSHIK, J. KYBIC, **J. STANKOVÁ**, P. DŽUBÁK, M. HAJDÚCH, Characterization of drug effects on cell cultures from phase-contrast microscopy images, Computers in Biology and Medicine, 2022, 151, 106171, 0010-4825, **IF: 6.698**, PMID: 36306582.

(6) D. KODR*, **J. STANKOVÁ***, M. RUMLOVA, P. DŽUBÁK, J. ŘEHULKA, T. ZIMMERMANN, I. KRIZOVA, S. GURSKÁ, M. HAJDÚCH, P. DRAŠAR, M. JURÁŠEK, Betulinic Acid Decorated with Polar Groups and Blue Emitting BODIPY Dye: Synthesis, Cytotoxicity, Cell-Cycle Analysis and Anti-HIV Profiling, Biomedicines, 2021, 9, 1104, 2227-9059, **IF: 6.081**, PMID: 34572290.

(5) M. PORUBSKÝ*, K. VYCHODILOVÁ, D. MILICEVIC, M. BUDESINKY, **J. STANKOVÁ**, P. DŽUBÁK, M. HAJDÚCH, J. HLAVÁČ, Cytotoxicity of Amino-BODIPY Modulated via Conjugation with 2-Phenyl-3-Hydroxy-4(1H)-Quinolinones, ChemistryOpen, 2021, 10, 1104-1110, 2191-1363, **IF: 2.911**, PMID: 34427046.

(4) M. PORUBSKÝ*, S. GURSKÁ, **J. STANKOVÁ**, M. HAJDÚCH, P. DŽUBÁK, J. HLAVÁČ, AminoBODIPY Conjugates for Targeted Drug Delivery Systems and Real-Time Monitoring of Drug Release, Molecular Pharmaceutics, 2021, 18, 2385-2396, 1543-8384, **IF: 3.500**, PMID: 33961440.

(3) M. PORUBSKÝ*, S. GURSKÁ, **J. STANKOVÁ**, M. HAJDÚCH, P. DŽUBÁK, J. HLAVÁČ, Amino-BODIPY as the ratiometric fluorescent sensor for monitoring drug release or "power supply" selector for molecular electronics, RSC Advances, 2019, 9, 25075-25083, 2046-2069, **IF: 3.119**.

(2) S. KRAJČOVIČOVÁ*, **J. STANKOVÁ**, P. DŽUBÁK, M. HAJDÚCH, M. SOURAL, M. URBAN, A Synthetic Approach for the Rapid Preparation of BODIPY Conjugates and their use in Imaging of Cellular Drug Uptake and Distribution, Chemistry- A European Journal, 2018, 24, 4957-4966, 0947-6539, **IF: 5.317**, PMID: 29411907.

(1) T. OŽDIAN*, D. HOLUB, Z. MACEČKOVÁ, L. VARANASI, G. RYLOVÁ, J. ŘEHULKA, J. VÁCLAVKOVÁ, H. SLAVÍK, P. MOUDRÝ, P. ZNOJEK, **J. STANKOVÁ**, J. DE SANCTIS, M. HAJDÚCH, P. DŽUBÁK, Proteomic profiling reveals DNA damage, nucleolar and ribosomal stress are the main responses to oxaliplatin treatment in cancer cells, Journal of Proteomics, 2017, 162, 73-85, 1874-3919, **IF: 3.867**, PMID: 28478306.