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Key words: In-vitro and in-vivo Pharmacokinetik and Pharmacodynamik (PK/PD), Antibiotics, Antimykotics, antibiotic susceptibility testing, Hollow Fiber Infection Model (HFIM)

Academic Milestones

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| 07/2020 | Doctoral Studies “Preclinical and Clinical Drug Development”
Medical University of Vienna |
| 11/2015 | Masterstudies Phytomedicine,
University of Natural Resources and Life Sciences |
| 03/2014 | Bachelorstudies Biology, Genetics and Microbiology, University of
Vienna |

Academic positions

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| 07/2020- | Post-Doc, Department of Clinical Pharmacology, Study Group
Clinical Pharmacokinetics Prof. Zeitlinger, Medical University of
Vienna |
| 10/2021- | Representative for biological safety in the context of gene
therapy studies at the University Hospital AKH Vienna,
Team Clinical Pharmacology / Infectiology / Dermatology |
| 05/2016-07/2020 | PhD-Student/Research Associate, Department of Clinical
Pharmacology, Study Group Clinical Pharmacokinetics Prof.
Zeitlinger, Medical University of Vienna |
| 11/2015-04/2016 | Research Associate, Study Group Dr. Mittelsten-Scheid
(Epigenetik), Gregor-Mendel-Institut Wien |

Further Education

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| 09/2022 | European Society of Clinical Microbiology and Infectious Diseases
(ESCMID) Course in Tallin, Estonia: Antimicrobial Susceptibility
testing with EUCAST criteria and methods, ESCMID |
| 04/2022- | Mentee in the Women Mentoring Program,
Medical University of Vienna |

04/2022-06/2022	Online-Course: Information, Training and exchange of experiences from project initiation to project completion in the area of EU research funding, Fit4Funding FFG Academy
11/2021	Good Clinical Practice, Department of Clinical Pharmacology, Medical University of Vienna
07/2021	Seminar, Projectmanagement, Medical University of Vienna
06/2021	Seminar, First Aid, Red Cross, Medical University of Vienna
04/2021	Seminar, Leading teams - challenges and design options, Medical University of Vienna
01/2021	Seminar, Follow Up-Seminar for Senior Mentors, Medical University of Vienna
05/2019	Seminar, Biostatistics I: SPSS Data entry and descriptive statistics, Medical University of Vienna
04/2019	ESCMID Course in Rotterdam, Netherlands: Optimised dosing of antibiotics – understanding PK/PD, clinical breakpoints and therapeutic drug monitoring
01/2019	Seminar, Professional supervision of theses at the Medical University of Vienna, Medical University of Vienna

Teaching at the Medical University of Vienna

2021-	Problem Orientated Learning (POL) II
2020-	Block 3: From the Molecule to the Cell, Biochemistry
2020-	Problem Orientated Learning (POL) I
2020-	Mentor in the Senior Mentoring Program
2019-	Method-seminar: Planning of Clinical Studies
2019-	Journal Club: Clinical Pharmacology

Co-Supervisor of Diploma Students

2020/2022	Rebecca Surdu, Diplomstudium Humanmedizin, Medical University of Vienna: „Validation of a PK-PD dynamic hollow fiber in-vitro model with a clinical isolate of <i>Staphylococcus aureus</i> with an elevated MIC against moxifloxacin“
2019/2020	Laura Schmidt, Magisterstudium Pharmazie, University of Vienna: „Threshold evaluation of time-dependent antibiotics“

Co-Supervisor of Bachelor Students

2021/2022	Sarah Pfeisinger, FH Wien: „Impact of the presence and absence of beta-lactamase inhibitor avibactam on ceftazidime activity against <i>Pseudomonas aeruginosa</i> ”
2020/2021	Christine Schober, FH Wien: „Evaluation of pharmacodynamic parameters of cefiderocol”
2020/2021	Veronika Wimmer, FH Wien: „Pharmakokinetik und Pharmakodynamik alter Antibiotika mit Fokus auf Fusidinsäure“

Grants, research awards, prizes

08/2022	Visiting Fellow Program/Exzellenzprogramm der Universität Hamburg, Auslandsaufenthalt an der Universität Hamburg
10/2020	Promotionspreis of the Paul-Ehrlich-Gesellschaft für Chemotherapie PEG
04/2020	30 under 30 of the European Society of Clinical Microbiology and Infectious Diseases (ESCMID)
04/2019	Young Investigator Award (2. Platz) on the Pre-European Congress of Clinical Microbiology and Infectious Diseases (ECCMID) Meeting ESCMID-ISAP, Rotterdam, Netherlands, Topic: „Comparison of antimicrobial activity and pathogen mutation prevention of originator and generics of cefepime, linezolid and piperacillin-tazobactam”
04/2019	Pre-ECCMID Travel Grant for course participation, „Optimised dosing of antibiotics – understanding PK/PD, clinical breakpoints and therapeutic drug monitoring”
06/2019	EACPT Travel Grant Award, Travel costs and Congress fee
09/2018	Travel Grant, APHAR Congress, Graz, Austria

Memberships and Offices

2022-	Mentor in the internationales Mentoring Program of the International Society of Anti-Infective Pharmacology (ISAP)
2022-	Secretary, International Society of Anti-Infective Pharmacology (ISAP)
2020-2022	Committee member, International Society of Anti-Infective Pharmacology (ISAP)

- 2017- Member of the ESCMID PK/PD Study Group of Anti-Infectives (EPASG)
- 2017- Member of the International Society of Anti-Infective Pharmacology (ISAP)
- 2016- Member of the Austrian Pharmacological Society (APHAR)
- 2016- Member of the Society for Pharmaceutical Medicine (GPMed)
- 2016- Member of the European Society of Clinical Microbiology and Infectious Diseases (ESCMID)

National and international activities:

- 04/2022 32nd ECCMID Congress, Lissabon, Portugal
 Poster: Impact of pH on activity of novel cephalosporine cefiderocol in pooled human urine
 P1288
 Poster: Growth and survival of spore forming *Bacillus cereus* in human milk exposed to different conditions, processing, and storage P1731
 Poster: The influence of oral cranberry and ascorbic acid on the urinary microbiome P1783
- 07/2021 31st ECCMID Congress, online
 Poster: Synergistic effect of fosfomycin with flucloxacillin against *Staphylococcus aureus* in vitro. Abstract # 03189
- 09/2019 25th APHAR Congress and Meeting, Innsbruck, Austria.
 Poster: Comparison of dosage strategies of meropenem vs. *Pseudomonas aeruginosa* and *Escherichia coli*. Abstract #102;
 Poster #104.
- 06/2019 EACPT Congress, Stockholm, Sweden.
 Oral talk: Comparison of dosage strategies of meropenem vs. *Pseudomonas aeruginosa*. Abstract #EACPT-1340
- 04/2019 29th ECCMID Congress, Amsterdam, Netherlands.
 Poster: Comparison of antimicrobial activity and pathogen mutation prevention of originator and generics of cefepime, linezolid and piperacillin-tazobactam. Poster #2124
- 09/2018 24th APHAR Congress and Meeting, Graz, Austria
 Oral talk: Impact of pH on activity of ceftolozane-tazobactam and meropenem in human urine against relevant pathogens of cUTI

International cooperation partners:

- 2020- InfectoPharm (Kontakt: Dr. Bernd Matiba, Dr. Felix Litty, Dr. Christian Mayer) Projekt: „In-vitro synergy of fosfomycin and flucloxacillin against *Staphylococcus aureus* isolates”,
- 2019-2022 Allegra Therapeutics GmbH (Contact: Dr. Adam Belly) Projekt: „Impact of surfactants and other adaptations on in-vitro activity of a novel β -lactamase inhibitor enmetazobactam in combination with cefepime against clinical isolates of *Klebsiella pneumoniae*”,
- 2019-2022 Shionogi GmbH (Contact: Christopher Longshaw, PhD) Projekt: „Low pH reduces activity of novel cephalosporin cefiderocol in human urine but confirms current breakpoints for UTI”
- 2017- Universität Hamburg (Contact: Prof. Sebastian Wicha),
planned research stay (April/May 2023- September/October 2023),
Research topic: In-vitro and In-vivo PK/PD of Ceftolozane-Tazobactam (Zerbaxa®), Purpose of the research stay: (I) Learning new skills such as PK/PD modelling; (II) Continuation of research with beta-lactam/beta-lactamase inhibitors and (III) Strengthening of the previous collaboration between Clinical Pharmacology at MUV and the University of Hamburg
Goal: publication of the joint work