



# Melanie Maria Kuhrn

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## WORK EXPERIENCE

10/2023 – CURRENT Vienna, Austria

**JUNIOR HEALTH EXPERT - INTERNATIONAL AFFAIRS, POLICY, EVALUATION AND DIGITALISATION**  
GESUNDHEIT ÖSTERREICH GMBH

Austrian Public Health Institute

01/2021 – 09/2023 Vienna, Austria

**UNIVERSITY RESEARCH ASSISTANT - "PERIOPERATIVE TREATMENT AND OUTCOME" MEDICAL**  
UNIVERSITY OF VIENNA, DIVISION OF ANESTHESIA AND CRITICAL CARE

Research Staff - Prof. Fleischmann, Division of Anesthesia and Critical Care, Medical University Vienna, 1090 Vienna

Congress Poster Presentation - "The effect of ephedrine, norepinephrine and phenylephrine on intraoperative hemodynamic performance" ÖGARI - AIC 2022

07/2023 – 08/2023 Vienna, Austria

**INTERN - INTERNATIONAL AFFAIRS, POLICY, EVALUATION AND DIGITALISATION** GESUNDHEIT  
ÖSTERREICH GMBH

Austrian Public Health Institute

03/2020 – 01/2023 Vienna, Austria

**TELEMEDICAL CONSULTING** FONDS SOZIALES WIEN (FSW)

SARS COV-19 Support

03/2021 – 07/2021 Vienna, Austria

**CLINICAL ELECTIVE - EMERGENCY MEDICINE** KLINIK OTTAKRING

11/2020 – 03/2021 Vienna, Austria

**CLINICAL ELECTIVE - ANAESTHESIA, INTENSIVE CARE MEDICINE AND PAIN MEDICINE**  
UNIVERSITÄTSKLINIKUM AKH WIEN

08/2020 – 11/2020 Vienna, Austria

**CLINICAL ELECTIVE - TRAUMA SURGERY** AUVA UNFALLKRANKENHAUS LORENZ BÖHLER

02/2019 – 03/2020 Vienna, Austria

**SURGICAL ASSISTANCE & DOCTOR'S ASSISTANCE** WIENER PRIVATKLINIK

Orthopedics & Trauma Surgery - Prof. Dr. Schabus

01/2020 – 01/2020 Cape Town, South Africa

**JUNIOR ASSISTANT - EMERGENCY MEDICINE** NEW SOMERSET HOSPITAL

11/2019 – 11/2019 Zurich, Switzerland

**JUNIOR ASSISTANT - NEUROLOGY** UNIVERSITÄTSKLINIK BALGRIST

10/2019 – 10/2019 Zurich, Switzerland

**JUNIOR ASSISTANT - GYNECOLOGY AND OBSTETRICS** UNIVERSITÄTSSPITAL ZÜRICH

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02/2019 – 07/2019 Vienna, Austria

**TUTORING - PROBLEM-ORIENTED LEARNING (POL)** MEDIZINISCHE UNIVERSITÄT WIEN

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05/2018 – 11/2018 Wien, Austria

**INTERNATIONAL HOSPITALITY SERVICE** REDBULL RACING - MAPSON GMBH

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08/2018 – 08/2018 Palermo, Italy

**CLERKSHIP - PEDIATRIC PULMONOLOGY** OSPEDALI CIVICO DI CRISTINA BENFRATELLI

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03/2018 – 06/2018 Vienna, Austria

**PERMANENT CLERKSHIP - TRAUMA SURGERY SS18** ALLGEMEINES KRANKENHAUS DER STADT WIEN

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03/2018 – 03/2018 Berlin, Germany

**CLINICAL CLERKSHIP - ORTHOPEDICS & TRAUMA SURGERY** DRK KLINIKEN BERLIN

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09/2017 – 09/2017 Hohenems, Austria

**CLINICAL CLERKSHIP - TRAUMA SURGERY** LANDESKRANKENHAUS HOHENEMS

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10/2016 – 05/2017 Vienna, Austria

**DOCTOR'S ASSISTANCE** ZIRM PRIVATKLINIK GMBH

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08/2016 – 09/2016 Krems an der Donau, Austria

**LABORATORY INTERN - QUALITY CONTROL** KEMIRA CHEMIE

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07/2015 – 08/2015 Krems an der Donau, Austria

**LABORATORY INTERN - QUALITY CONTROL** KEMIRA CHEMIE

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07/2014 – 07/2014 St. Pölten, Austria

**SUMMER INTERNSHIP** NOTRUF NÖ

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## ● **EDUCATION AND TRAINING**

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09/2015 – 10/2024 Vienna, Austria

**HUMAN MEDICINE** Medical University of Vienna

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Thesis: "Comparison of different algorithms with humans on blood pressure artifacts" at Anesthesia, Intensive Care Medicine and Pain Medicine, Medical University of Vienna & Ludwig Boltzmann Institute (LBI)

Semester abroad

- USZ, Zurich CH (Gynecology and obstetrics) Balgrist, Zurich CH (Neurology, Tetraplegia)
- New Somerset Hospital, Cape Town SA (Emergency Department)

International clinical traineeship

- Ospedali Civico di Cristina Benfratelli, Palermo IT (pulmonology)
- DRK Klinik Westend, Berlin D (trauma surgery)

Summer School Hospital Zwettl 2017

EC Sleep Coaching with Mag. Dr. Brigitte Holzinger

2014 – 2015 Vienna, Austria

**STUDENT - TECHNICAL CHEMISTRY** Technische Universität Wien

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2006 – 2014 Zwettl, Austria

**HIGH SCHOOL GRADUATION - SCIENTIFIC BRANCH** Bundesrealgymnasium Zwettl

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Peer Teaching in Addiction Prevention: Conducted workshops for high school students, class representative

● **LANGUAGE SKILLS**

Mother tongue(s): **GERMAN**  
Other language(s): **GERMAN SIGN LANGUAGE**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C1	C1	C1
<b>HEBREW</b>	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Excellent command of Microsoft Office (Word, Excel, Outlook) | MS Office(MS Word,MS Powerpoint,MS Excel,MS) | Reference management softwares (Mendeley, Zotero and EndNote) | Programming: Phytion, Matlab | Social Media / Social Network | knowledge of presentation platforms (PowerPoint, Prezi, Canva)

● **NETWORKS AND MEMBERSHIPS**

**Austrian Medical Students Association**

**TUW Racing**

Sponsoring Management

**IG Alpbach Wien**

Scholarship holder EFA 23  
Performance - "Defying Labels" APG x Microsoft Thinkathon Seminars: "Working Together (Spells Success)" & "European Interests in a Changing World Order: China, the USA, and Like-Minded States"  
  
Board Member October 2023 - October 2024  
Food for Thought Presentation - EFA24 Conference  
  
Co-President since October 2024  
  
Free Contraception Petition: Food for Thought Presentation - EFA23 Conference, Presentation - Schwelle Conference 2023, Poster Presentation - ÖGFSSG Sexual Medicine, Interdisciplinary Congress 2023 -  
Poster Award European Forum Alpbach 2023

● **DRIVING LICENCE**

Driving Licence: B

● **HONOURS AND AWARDS**

**Scholarship - European Forum Alpbach 2023 – Initiativgruppe Alpbach Wien**

Participant: APG x Microsoft Thinkathon

**Scholarship - Austrian Health Forum Gastein 2023 – Yahvoi - Young Austrian Healthcare Voices**

**1st Prize - Hackathon: Digital solutions for society – Vienna Climate Challenge – Stadt Wien, SDG Watch Austria, Universität Wien**

**Christian Dadak Award – ÖGFSSG Sexual Medicine Interdisciplinary Congress 2023**

Poster Award - "Free Contraception"

10/2023

## Scholarship Entrepreneurial Leadership Program – EFA nominee, Austrian Startups

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### ● CREATIVE WORKS

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#### Art Stage-Performance “Defying Labels”

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European Forum Alpbach 2023

### ● COMMUNICATION AND INTERPERSONAL SKILLS

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#### Rhetoric Course

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VHS Course

#### Working Together (Spells Success)

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EFA23

### ● VOLUNTEERING

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09/2023 – 10/2024 Sindbad - Social Business

#### Sindbad Mentor

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Mentoring program for young people from "high risk schools" 2023/2024

09/2024 – CURRENT

#### Sindbad Team Leader

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Mentoring program for young people from "high risk schools" 2024/2025

07/2023 – CURRENT IG Alpbach Wien

#### Petition "Verhütung für alle"

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Free Contraception Petition

- Food for Thought Presentation - EFA23

- Conference Presentation - Schwelle Conference 2023

- Poster Presentation - ÖGFSSG Sexual Medicine Interdisciplinary Congress 2023 - Poster Award

09/2023 – CURRENT IG Alpbach Wien

#### HPV Ambassador - "HPV-Impfung jetzt!"

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Austrian Medical Students Association

#### Teddy Bear Hospital

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Austrian Medical Students Association

#### Vampire Cup (Blood Donation campaign)

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#### Mentor - Young Austrian Healthcare Voices

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Mentoring scholarship holders at Austrian Health Forum

Gastein 2024 with Helene Prenner (ELGA GmbH)

### ● MENTORING

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2022 – 2023

#### Public Health with Post Doctoral Researcher, Mag.(FH) Dr. Claudia Fischer, MSc MSc

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2021 – 2022

#### Pharmaceutical industry with Medical Director, Roche Austria GmbH, Dr. Johannes Pleiner-Duxneuner

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2020 – 2021

**Anesthesia, Intensive Care Medicine and Pain Medicine, Medical University of Vienna with Dr. Frédéric Tömböl**

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2018 – 2019

**Gynecology and obstetrics with Univ. Prof. Dr. Mahmood Manavi**

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01/2024 – 11/2024

**Health Technology Assessment with Priv. Doz Dr. Claudia Wild 2024**

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Women in Global Health

## **PUBLICATIONS**

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2022

**Effect of perioperative levosimendan administration on postoperative N-terminal pro-B-type natriuretic peptide concentration in patients with increased cardiovascular risk factors undergoing non-cardiac surgery: protocol for the double-blind, randomised, placebo-controlled IMPROVE trial**

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Reiterer C, Kabon B, Taschner A, Adamowitsch N, Graf A, Fraunschiel M, Horvath K, Kuhrn M, Clement T, Treskatsch S, Berger C, Fleischmann E. BMJ Open. 2022 Jan 21;12(1):e058216. doi:10.1136/bmjopen-2021-058216. PMID: 35063963; PMCID: PMC8785196.

2024

**Impact of postoperative cardiovascular complications on 30-day mortality after major abdominal surgery: an international prospective cohort study**

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STARSurG Collaborative; EuroSurG Collaborative. Anaesthesia. 2024 Jul;79(7): 715-724. doi: 10.1111/anae.16220. Epub 2024 Feb 2. PMID: 38303634.

2024

**Association between multimorbidity and postoperative mortality in patients undergoing major surgery: a prospective study in 29 countries across Europe**

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STARSurG Collaborative; EuroSurG Collaborative. Anaesthesia. 2024 Sep;79(9):945-956. doi: 10.1111/anae.16324. Epub 2024 May 27. PMID: 39101671.

2024

**A Comparison of Five Algorithmic Methods and Machine Learning Pattern Recognition for Artifact Detection in Electronic Records of Five Different Vital Signs: A Retrospective Analysis**

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Mathias Maleczek, Daniel Laxar, Lorenz Kapral, Melanie Kuhrn, Yannic-Tomas Abulesz, Christoph Dibiasi, Oliver Kimberger; Anesthesiology 2024; 141:32–43 doi:https://doi.org/10.1097/ALN.0000000000004971

2024

**Laienverständlicher Entlassungsbrief Machbarkeitsstudie Ergebnisbericht**

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Trunner, Kathrin; Kuhrn, Melanie Maria; Weishäupl, Kristina; Fousek, Stephan (2024): doi:https://doi.org/10.4126/FRL01-006483998

2024

**The meta-governance of quality registries for public health**

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Kuhrn, Melanie Maria; Laschkolnig Anja, Degelsegger-Márquez Alexander. European Journal of Public Health, Volume 34, Issue Supplement\_3, November 2024 ; doi :https://doi.org/10.1093/eurpub/ckae144.2186

**Perioperative inflammatory response Assessment In high-Risk patients Undergoing Non-Cardiac Surgery (INSIGHT)**

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Pichler, Alexander, et al. Study Protocol of a Prospective Non-Interventional Observational Study. BMJ Open, vol. 13, no. 7, 2023, pp. e065469–e065469, https://doi.org/10.1136/bmjopen-2022-065469. STARSurG Collaborative; EuroSurG Collaborative. Association between multimorbidity and postoperative mortality in patients undergoing major surgery: a prospective study in 29 countries across Europe. Anaesthesia. 2024 Sep;79(9):945-956. doi: 10.1111/anae.16324. Epub 2024 May 27. PMID: 39101671