

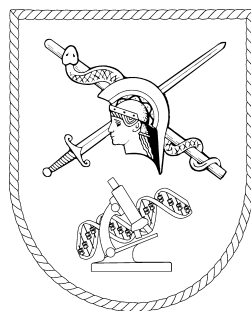
# Preliminary program

(as of February 27, 2025)



April 8-10, 2025

Munich, Germany



hosted by Bundeswehr Institute of Microbiology

Audimax, 09:00 - 10:30

# A Opening Ceremony

Chair: R. Wölfel (DEU)

**AO 01** 👤 45min [ID=300]  
“Welcome Notes”  
presented by Roman **Wölfel** (DEU)

**AO 02** 👤 45min [ID=301]  
“50 years of the Biological Weapons Convention”  
presented by Daniel **Feakes** (CHE)

Audimax, 11:00 - 12:30

# B Searching for Achilles' Heel: Analysis of Host-Pathogen Interaction

Chairs: H. von Buttlar (DEU) and P. Špidlová (CZE)

**BO 01** 👤 30min [ID=302]  
“Strategies of *Francisella tularensis*: Intracellular Survival, Immune Evasion, and Virulence Determinants”  
presented by Petra **Špidlová** (CZE)

**BO 02** 👤 15min [ID=164]  
“Autologous Immune Microphysiological Systems for Infectious Diseases”  
presented by Ilka **Maschmeyer** (DEU)

**BO 03** 👤 15min [ID=48]  
“From Organoids to Answers: Shedding Light on Viral Tropism with Single-Cell Precision”  
presented by Susann **Kummer** (DEU)


**BO 04** 👤 15min [ID=190]  
“Phagocyte Chemiluminescence Fingerprints to Triage between Infectious Phyla at the ER”  
presented by Robert S. **Marks** (ISR)

**BO 05** 👤 15min [ID=173]  
“The *Bacillus anthracis* spore sugar anthrose impacts vegetative cell virulence factors through modulation of iron acquisition”  
presented by Michael H. **Norris** (USA)

Garden hall, 11:00 - 12:30


## C Responding to Threats: Biosafety and Deployable Labs

Chairs: K. Stoecker (DEU) and M. O'Shea (GBR)

CO 01  15min [ID=15]


“Modeling the Impact of an Intentional Anthrax Release: A Comparative Study Based on the 1979 Sverdlovsk Incident and a Hypothetical Scenario in Paris”

presented by Tristan **Learoyd** (GBR)

CO 02  15min [ID=182]

“Stability and disinfection of risk group 4 pathogens: improving biosafety measures for laboratories and for patient management”


presented by Susann **Kummer** (DEU)

CO 03  15min [ID=212]

“Establishing a multi-agency mobile laboratory capacity in Sweden”


presented by Ryan **Terrey** (SWE)

presented by Martin **Forslund** (SWE)

CO 04  15min [ID=104]


“High-throughput laboratory testing under field conditions during the NATO exercise Clean Care 2024 in Hungary”

presented by Tanja **Hoffmann** (DEU)

CO 05  15min [ID=122]

“Enhancing biosurveillance capabilities by implementing applied research developments in a custom-designed, deployable laboratory”

presented by Gilles **Fastré** (BEL)

CO 06  15min [ID=199]

“Suit-Case Mobile Laboratory for International Response to Outbreak and Epidemics”

presented by Guillain **Mikaty** (FRA)

Audimax, 13:30 - 15:30

## D Bacteriophages

Chairs: G. Grass (DEU) and P. Braun (DEU)

DO 01  20min [ID=222]


“Transient Expanding Phage Host Range by Co-Expressing Tail fibers in a Cell-Free System”

presented by Kilian **Vogele** (DEU)

DO 02  20min [ID=253]

“Rapid Detection and Real-Time Antibiotic Susceptibility Testing of *Klebsiella pneumoniae* and *Yersinia pestis* Using Recombinant Reporter Phages”

presented by Simone **Braun** (DEU)

DO 03  15min [ID=94]

“Enhanced antibacterial effect of bioactive glass S53P4 due to bacteriophage on *Staphylococcus aureus* *in vitro*”

presented by Nina C. **Lindfors** (FIN)

**DO 04**  20min [ID=188]

“Phage receptor binding proteins - An alternative to antibodies for detecting bacterial pathogens”

presented by Moritz **Ertelt** (DEU)

**DO 05**  20min [ID=187]

“Rapid and specific detection of pathogenic bacteria using recombinant receptor binding proteins of bacteriophages”

presented by Leonie **Reetz** (DEU)

**DO 06**  20min [ID=155]

“Utilizing phage receptor binding proteins for *Klebsiella* K-typing and novel phagograms”

presented by Zuzanna **Drulis-Kawa** (POL)

Garden hall, 13:30 - 15:30


## **E** Case Reports: Interactive Voting Session

*Chairs: S. Zange (DEU) and N. Wantia (DEU)*

**EO 01**  20min [ID=213]

“A family affair - A curious case from northern Sweden and the multi-sectorial effort to solve it”

presented by Ryan **Terrey** (SWE)

**EO 02**  25min [ID=110]

“A gardener from Nymphenburg Palace”

presented by Christopher **Breyer** (DEU)

**EO 03**  20min [ID=304]

“Fever of unknown origin and impaired cognition after a trip to Thailand”

presented by Michael **Seilmaier** (DEU)

**EO 04**  20min [ID=305]

“Is it erysipelas or bioterrorism?”

presented by Stefan **Borgmann** (DEU)

**EO 05**  20min [ID=210]


“Evaluation of Large Language Models (LLMs) for diagnostics of highly pathogenic agents”

presented by Daniel **Lang** (DEU)

Audimax, 16:00 - 18:00

## **F** Current Trends in Biodefense-related Bacterial Infections

*Chairs: E. Mantel (DEU) and H. Scholz (DEU)*

**FO 01**  15min [ID=83]

“Biofilm formation and persistence of various anthrax-causing bacteria on leaves”

presented by Leonard **Borst** (DEU)

**FO 02** 👤 15min [ID=91]

“Global determination of genes that affect the antibiotic susceptibility of *Yersinia pestis*”  
presented by Philip M. **Ireland** (GBR)

**FO 03** 👤 15min [ID=86]

“Genomic features of environmental *Vibrio cholerae* from Morocco: virulence, antimicrobial resistance and genetic diversity”  
presented by Germán A. **Kopprio** (DEU)

**FO 04** 👤 15min [ID=90]

“Detection and isolation of *Francisella tularensis* using recombinant reporter fusion proteins”  
presented by Jan Klaas **Janßen** (DEU)

**FO 05** 👤 15min [ID=89]

“Country-wide assessment of pathogen presence in ticks collected in Germany between 2021-2024, with a focus on *Francisella*”  
presented by Kristin **Köppen** (DEU)

**FO 06** 👤 15min [ID=97]

“Assessment of the genetic diversity and relatedness of Turkish animal and human *Brucella* isolates using NGS technology”  
presented by Gamal **Wareth** (DEU)

**FO 07** 👤 15min [ID=88]

“Proteomics-based identification of immunodominant *Brucella canis* proteins as candidates for serodiagnosis and vaccine development”  
presented by Dirk **Hofreuter** (DEU)

**FO 08** 👤 15min [ID=108]

“*Brucella* spp: A New Marine Health Security Concern?”  
presented by Mónica **Nunes** (PRT)

Garden hall, 16:00 - 18:00

**G**

## Medical Countermeasures (MCM)

Chairs: J. J. Bugert (DEU) and B. E. Swierczewski (USA)

**GO 01** 👤 17min [ID=111]

“Novel pipeline for the development of Monoclonal Antibodies”  
presented by Zacharie S. M. **Paquet** (BEL)

**GO 03** 👤 17min [ID=92]


“Quinsair, an inhaled formulation of levofloxacin, protects mice against lethal inhalational tularemia”  
presented by Izzy **Norville** (GBR)

**GO 04** 👤 17min [ID=126]

“Manufacturing of RNA-loaded dry powders for the treatment of respiratory infections”  
presented by Benjamin **Winkeljann** (DEU)


**GO 05** 👤 17min [ID=311]

“[pending]”  
presented by Peter **Tulkens** (BEL)

**GO 06**  17min [ID=149]

“Establishing Multicellular Blood-Brain Barrier Infection Models for Antiviral Drug Discovery”

presented by Joachim J. **Bugert** (DEU)

**GO 07**  17min [ID=141]


“Chikungunya virus and armed forces: relevance and vaccine prospects”

presented by Jonas **Schmidt-Chanasit** (DEU)

Audimax, 09:00 - 10:30


## **H** Genomics and AI

Chairs: M. Walter (DEU) and A. Dilthey (DEU)

**HO 01**  23min [ID=150]


“Metagenomic Diagnostics with Next-Generation Sequencing and cfCOP”

presented by Alexander T. **Dilthey** (DEU)

**HO 02**  18min [ID=171]


“Mining public metagenomes reveals novel *Francisella* reservoirs and enhances biosurveillance”

presented by Andreas **Sjödín** (SWE)

**HO 03**  15min [ID=73]


“Enhanced Detection of Biological Warfare Agents Using MALDI-ToF Mass Spectrometry Integrated with Artificial Intelligence”

presented by Mostafa **Bentahir** (BEL)

**HO 04**  15min [ID=140]

“Assessing Large Language Models in the Context of Bioterrorism: An Epidemiological Perspective with Experimental Insights”

presented by Andrzej **Jarynowski** (DEU)

**HO 05**  18min [ID=64]


“AI-redesigned receptor binding proteins can sensitively and specifically detect *Yersinia pestis*”

presented by Daniel **Lang** (DEU)

Garden hall, 09:00 - 10:30


## **I** One Health: Surveillance and Tools for the Big Picture

Chairs: S. Sauer (DEU) and J. P. Teifke (DEU)

**IO 01**  15min [ID=22]


“Risk analysis of the targeted release of bioterrorism-relevant germs in drinking water systems in the presence of biofilms (GETRIP)”

presented by Elisabeth **Pfrommer** (DEU)

**IO 02**  15min [ID=158]

“Are you really a *V. cholerae*: How to handle *V. cholerae*-like species in food regarding their (potential) pathogenic potential?”

presented by Jens-André **Hammerl** (DEU)

**IO 03**  15min [ID=224]

“Wastewater Based Epidemiology (WBE) - Establishment in the German Armed Forces and Implementation of EU Directives”

presented by Dimitrios **Frangoulidis** (DEU)

**IO 04**  20min [ID=59]

“Building up One Health Exploratories in the African tropics and in Germany”

presented by Fee **Zimmermann** (DEU)

**IO 05**  20min [ID=225]


“The Multinational (MN) Force Health Protection (FHP) Nexus - visualize knowledge management for NATO Allies’ Force Health Protection”

presented by Katalyn **Roßmann** (DEU)

Garden hall, 11:00 - 12:30


## **K** Novel Technologies

Chairs: E. Raubuch (DEU) and H. Brangsch (DEU)

**KO 01**  15min [ID=165]


“Multi-Organ-Chip Platform: Modeling ADME Processes and Organ-Specific Toxicity”

presented by Ilka **Maschmeyer** (DEU)

**KO 02**  15min [ID=98]


“Simple and promising: 3D-cell-culture opens a new avenue for the investigation of respiratory viruses”

presented by Lara S. **Unger** (DEU)

**KO 03**  15min [ID=179]


“Modern tools for the rapid detection of microorganism and their resistance mechanisms in patients samples”

presented by Agnieszka **Wozniak-Kosek** (POL)

**KO 04**  15min [ID=107]


“FDX: A Cutting-Edge Platform for Fast and On-Site DNA and RNA Pathogen Detection”

presented by Mónica **Nunes** (PRT)

**KO 05**  15min [ID=72]

“Rapid and Specific Detection of Plague Pathogen with Duplex LAMP combined with nucleic acid lateral flow sensor”

presented by Mostafa **Bentahir** (BEL)

**KO 06**  15min [ID=30]


“Fluorescence *in situ* hybridization for in-field diagnosis of *Mycobacterium tuberculosis*”

presented by Kim **Silberreis** (DEU)

Audimax, 16:00 - 18:00


## **N** Tox-Alert: New Insights into Biological Toxins

*Chairs: M. Knüpfer (DEU) and B. Dorner (DEU)*

**NO 01**  25min [ID=35]


“An outbreak of foodborne botulism caused by commercially canned mushrooms from Russia”

presented by Brigitte G. **Dorner** (DEU)

**NO 02**  15min [ID=34]


“A cross-method comparison of potential replacement methods for the mouse bioassay for botulism diagnostics”

presented by Sylvia **Worbs** (DEU)

**NO 03**  15min [ID=172]


“Developing and establishing an experimental toolkit to assess the activity of toxins”

presented by Charlotte **Whitmore** (GBR)

**NO 04**  15min [ID=203]


“Molecular forensics in bioterror scenarios - Chemical profiling of toxic plant materials containing ricin”

presented by Björn **Ahrens** (DEU)

**NO 05**  15min [ID=24]


“DTox-Net: A German Laboratory Network to Strengthen Readiness for Bioterror-Related Incidents”

presented by Maren **Krüger** (DEU)

**NO 06**  15min [ID=119]

“Racidote<sup>®</sup>: A New Therapeutic for Ricin Intoxication: Efficacy and Safety Studies”

presented by Véronique **Juillard** (FRA)

**NO 07**  15min [ID=55]

“X-BAT: Research on and generation of a decavalent equine antitoxin counter-acting deliberate botulinum neurotoxin attacks”

presented by Andreas **Rummel** (DEU)

Garden hall, 16:00 - 18:00


## **O** German Biosecurity Programme

*Chairs: G. Wilke (DEU) and T. Bellmann (DEU)*

**OO 01**  24min [ID=20]

“Re-aligning the German Biosecurity Programme”

presented by Silke **Bellmann** (DEU)

**OO 02**  12min [ID=308]

“German Biosecurity Programme - Biosecurity Cooperation against biological threats in the Sahel Region”

presented by Pina **Knauff** (DEU)



**OO 03** 🧑🏫 12min [ID=41]

“The German Biosecurity Program at the Veterinary University of Sidi Thabet in Tunis: Diagnostic Tools and Reduction of Biological Proliferation Risks During Handling Highly Pathogenic Agents”

presented by Felicitas **Bergmann** (DEU)

**OO 04** 🧑🏫 12min [ID=115]

“The GIZ contribution to the German Biosecurity Programme: Achievements, impact factors and challenges”

presented by Olga **Spaiser** (DEU)

**OO 05** 🧑🏫 12min [ID=184]

“German Biosecurity Programme in Georgia: Significant Support in Strengthening of the National Capabilities”

presented by Paata **Imnadze** (GEO)

**OO 06** 🧑🏫 12min [ID=45]

“From the beginning to the end: FLI activities in Mauritania within the framework of the German Biosecurity Program between 2013-25 at a glance”

presented by Ansgar **Schulz** (DEU)

**OO 07** 🧑🏫 12min [ID=186]

“Strengthening cholera preparedness and response in high-risk settings: The case of Ukraine”

presented by Olha **Prykhodko** (UKR)

**OO 08** 🧑🏫 12min [ID=310]

“Biosafety Associations for Central Asia and Caucasus – Building Regional Bridges”

presented by Lela **Bakanidze** (GEO)

**OO 09** 🧑🏫 12min [ID=175]

“The hemorrhagic fever of Crimean Congo: what threat to North African countries?”

presented by Médiha **Khamassi Khbou** (TUN)

Audimax, 09:00 - 11:00

## **P** Emerging Viruses

*Chairs: G. Dobler (DEU) and P. Girl (DEU)*

**PO 01** 🧑🏫 20min [ID=112]

“Analysis of Influenza and ARI Morbidity in Post-Pandemic Seasons 2021/22 and 2022/23 in Tashkent, Uzbekistan”

presented by Mirbobir B. **Mirkhoshimov** (UZB)

**PO 02** 🧑🏫 20min [ID=118]

“Re-emergence of arbovirolos in Burkina Faso: Identification of dengue and chikungunya viruses in samples received from sentinel sites in 2023”

presented by Alidou **Zango** (BFA)

**PO 03** 🧑🏫 20min [ID=151]

“Effectiveness of European TBE vaccines against Baltic TBE virus strains”

presented by Gerhard **Dobler** (DEU)

**PO 04** 🧑🏫 20min [ID=170]

“Surveillance of emerging viral and bacterial pathogens in wild nature in Ukraine - key component of European early warning system”

presented by Denys **Muzyka** (UKR)

**PO 05** 🧑🏫 20min [ID=135]

“Seroprevalence of flavivirus and Crimean-Congo hemorrhagic fever virus in dromedaries from Algeria”

presented by Samia **Bedjaoui** (FRA)

**PO 06** 🧑🏫 20min [ID=180]

“Flavivirus investigation in the Republic of Kazakhstan”

presented by Anna **Shin** (KAZ)

Foyer, 13:30 - 15:30



## Poster presentations

**BP 06** [ID=56]

“Interferon-induced immune signatures are associated with suppression of HEV infection in porcine cell culture models”

presented by Sarah **Schlienkamp** (DEU)

**BP 07** [ID=65]

“Macrophage and *Francisella tularensis* post-infection transcriptome by dual RNA sequencing”

presented by Mathias C. **Walter** (DEU)

**BP 08** [ID=99]

“The Role of Intestinal Parasitoses and Pathogenic Protozoa in Patients with Bronchial Asthma”

presented by Mukambar S. **Shailamova** (UZB)

**BP 09** [ID=103]

“From the common cold to cell culture: growing respiratory viruses in spheroid culture”

presented by Hanna **Scherm** (DEU)

**BP 10** [ID=167]

“Characterization of 3D lung cell models for improved cultivation of respiratory viruses”

presented by Tobias **Pfeil** (DEU)

**BP 11** [ID=200]

“*In vitro* infection models for biowarfare agents: Important tools for basic and applied sciences”

presented by Marisa **Music** (DEU)

**CP 07** [ID=21]

“Italian Air Force personnel deployed in areas at risk of Dengue infection: a descriptive observational study”

presented by Carmen C. **Nigro** (ITA)

**CP 08** [ID=31]

“Diagnostic Value of a Rapid Diagnostic Test (TDR) in the Diagnosis of Dengue Fever during an Epidemic in Bamako, Mali”

presented by Abdoul Karim **Sangaré** (MLI)

**CP 09** [ID=33]

“Strategic Aeromedical Evacuation of patients affected by highly infectious diseases: the Italian Air Force perspective in the European partnership”

presented by Alessandro **Fiorini** (ITA)

**CP 10** [ID=39]

“Heat Treatment as a Safe-Handling Procedure for Rift Valley Fever Virus”

presented by Daniele **Lapa** (ITA)

**CP 11** [ID=40]

“Laboratory biorisk management: lessons to be learned from the experience of lab work in war conditions in Ukraine”

presented by Vlada **Pashynska** (UKR)

**CP 12** [ID=43]

“System for testing Personal Protective Equipment of the respiratory tract to assess the effectiveness of protection thereof from biological agents”

presented by Andrea **Marini** (ITA)

**CP 13** [ID=71]

“Joint EMLab training of the Bernhard Nocht Institute and the Robert Koch Institute: harmonization of competencies in biosafety and biosecurity”

presented by Jasmin **Scharnberg** (DEU) and Beate **Becker-Ziaja** (DEU)

**CP 14** [ID=74]

“Catch me if you can: Used lateral flow immunochromatographic tests as samples for molecular analyses”

presented by Teresa **Hausjell** (DEU)

**CP 15** [ID=95]

“The management of patients affected by highly transmissible infectious diseases: Organization in Sicily bridge over the Mediterranean sea”

presented by Francesco **Bongiorno** (ITA)

**CP 16** [ID=109]

“The Hidden Microbial World of Griffon Vultures: Passive Bioreconnaissance for Ecosystem Health and Pathogen Risk Assessment”

presented by Mónica **Nunes** (PRT)

**CP 17** [ID=147]

“Effect of Pulse UV sterilization on *Bacillus anthracis* spores”

presented by Nataliia G. **Pinchuk** (UKR)

**CP 18** [ID=166]

“The Brazilian Army’s experience in using a mobile laboratory to identify biological threats by nanopore sequencing”

presented by Tatiana L. S. **Nogueira** (BRA)

**CP 19** [ID=202]

“Development of Detection and Verification Measures Usable for the Biological Weapons Convention”

presented by Samantha **Klein** (DEU)

**CP 21** [ID=220]

“Strengthening disaster response preparedness: Evaluating Infection Prevention and Control (IPC) Measures and Interoperability of Emergency Medical Teams (EMT), Rapid Response Mobile Laboratories (RRML) and IPC Teams in a Simulated Earthquake with situation-related Cholera Outbreak Scenario”

presented by Laurent **Dacheux** (FRA) and Veronica **Briesemeister** (DEU)

**CP 22** [ID=221]

“Surveillance of UK military personnel for exposure to environmental and vector-borne pathogens during deployment and training”

presented by Anitha **Varghese** (GBR)

**DP 07** [ID=52]

“Phage-Antibiotic-Synergy in *Galleria mellonella* model”

presented by Jana **Stender** (DEU)

**DP 08** [ID=53]

“Capsule specific depolymerases of *Klebsiella pneumoniae* phages in *Galleria mellonella* model”

presented by Thomas **Krause** (DEU)

**DP 09** [ID=54]

“Comparison of the therapeutic potential of standard phage preparations and *in vitro* produced phages in *Galleria mellonella* infected with MRGN *Klebsiella pneumoniae*”

presented by Lea **Anders** (DEU)

**DP 10** [ID=79]

“The biodiversity of the DSMZ phage bank”

presented by Filipa M. **Martins** (DEU)

**DP 11** [ID=121]

“Bacteriophages targeting *Klebsiella pneumoniae*”

presented by Regis **Tournebize** (FRA)

**DP 12** [ID=123]

“Therapeutic bacteriophages against MRGN *Klebsiella pneumoniae* Optimization of an *in vitro* production protocol for bacteriophages of different virus families”

presented by Denise **Sander** (DEU)

**DP 13** [ID=146]

“Phage resistance and adaptive evolution in *Klebsiella pneumoniae*: unraveling genetic mutations and virulence dynamics”

presented by Grazyna **Majkowska-Skrobek** (POL)

**DP 14** [ID=159]

“Dreams and reality: Phage-based tackling of multidrug-resistant *Staphylococcus aureus* CC398 *in-vitro* and *ex-vivo*”

presented by Jens-André **Hammerl** (DEU)

**DP 15** [ID=160]

“Phages from imported food are suitable for tackling the clinically-important *K. pneumoniae* high-risk clones ST23 and ST147”

presented by Jens-André **Hammerl** (DEU)

**DP 16** [ID=194]

“Characterization of the receptor-recognition interface of  $\phi$ A1122 bacteriophage-derived Gp17 required for attachment to *Yersinia pestis* cells”

presented by Tamara **Haanraads** (DEU)

**DP 17** [ID=195]

“European Defense Fund - Resilience SGA 2023 ( R ) SP4 PHAGE - Recruiting Phage to the Army”

presented by Saija **Kiljunen** (FIN), Joachim J. **Bugert** (DEU), and Zuzanna **Drulis-Kawa** (POL)

**DP 18** [ID=196]

“Novel diagnostic and therapeutic methods to address critical CBRN and AMR challenges”

presented by Timo **Späth** (DEU)

**DP 19** [ID=252]

“Bacterial pathogen diagnostics revisited: Phage receptor binding proteins as versatile detection tools”

presented by Peter **Braun** (DEU)

**DP 20** [ID=251]

“Engineered reporter phages enable rapid detection and simultaneous antibiotic susceptibility testing of bacterial pathogens”

presented by Sebastian **Kachel** (DEU)

**DP 21** [ID=303]

“A multi-step production, purification and utilization of *Y. pestis*-specific phages for efficient phage-antibiotic combined treatment of pneumonic plague disease”

presented by Arik **Makovitzki** (ISR)

**EP 06** [ID=70]

“Clinical and epidemiological manifestations of imported cholera cases to Almaty city (Kazakhstan) from 2017 to 2024 - a retrospective data”

presented by Nur **Tukhanova** (KAZ)

**EP 07** [ID=96]

“A rare complication in humans of a rare disease in Germany: A case of bilateral *Brucella* tubo-ovarian abscesses”

presented by Sabine **Zange** (DEU)

**EP 08** [ID=176]

“Case report: Anthrax in 2024 Almaty, Kazakhstan”

presented by Nur **Tukhanova** (KAZ)

**FP 08** [ID=219]

“Canine Brucellosis outbreak in a dog breeding kennel in Ukraine”

presented by Vitaliy **Bolotin** (UKR)

**FP 10** [ID=134]

“Seroprevalence of *Coxiella burnetii* in dromedaries from Algeria”

presented by Samia **Bedjaoui** (FRA)

**FP 11** [ID=138]

“Genomic epidemiology of carbapenem resistant *Acinetobacter baumannii* (CRAB) causing bloodstream infections in a Tunisian hospital (2021-2024)”

presented by Amel **Rehaïem** (TUN)

**FP 12** [ID=178]

“Diagnostic challenges and genetic insights into tuberculosis lymphadenitis in Tunisia”

presented by Asma **Ferjani** (TUN)

**FP 13** [ID=181]

“Nail infections caused by *Pseudomonas aeruginosa*”

presented by Agnieszka **Wozniak-Kosek** (POL)

**FP 14** [ID=198]

“Monitoring of Active Plague Foci in 2020-2024, country of Georgia”

presented by Lile **Malania** (GEO)

**FP 15** [ID=218]

“Study of the Prevalence of *Borrelia miyamotoi* in the Almaty and Zhetysu Regions of Kazakhstan”

presented by Yuriy **Skiba** (KAZ)

**FP 16** [ID=309]

“Occurrence of anthrax pathogen in animal burials of Eastern and Southern Ukraine”

presented by Oleksandr V. **Biloivan** (UKR)

**GP 08** [ID=25]

“Detection and Characterization of Carbapenemase-Producing *Escherichia coli* and *Klebsiella pneumoniae* from Hospital Effluents of Ouagadougou, Burkina Faso”

presented by René **Dembélé** (BFA)

**GP 12** [ID=93]

“The development of an automated high throughput platform to rapidly identify antiviral compounds against high consequence viruses”

presented by Rachel **Ireland** (GBR)

**GP 13** [ID=105]

“Ongoing Open-label, Multicenter Immunogenicity and Safety Study of MVA-BN<sup>®</sup> Vaccine in Children From 2 Years to Less Than 12 Years of Age Compared to Adults for the Prevention of Smallpox, Mpox, and Related Orthopoxvirus Infections”

presented by Ralph **Torgler** (CHE)

**GP 14** [ID=129]

“Emergence of methicillin-resistant *Staphylococcus aureus* strains with an unusual susceptibility antibiotic pattern in Tunisia”

presented by Sana **Ferjani** (TUN)

**GP 15** [ID=144]

“Sorption and antimicrobial properties of hydrogel bandage”

presented by Vasyl **Vlizlo** (UKR)

**GP 16** [ID=145]

“Characterization of Amoxicillin Complexed with Polyphosphate Ester for Reduced Toxicity”

presented by Vasyl **Vlizlo** (UKR)

**GP 17** [ID=169]

“Thymol: a novel eco-friendly defense against biological threats”

presented by Elisa **Recchia** (ITA)

**GP 18** [ID=191]

“Efficacy of antiviral agents against orthopoxviruses in the blood-brain barrier model”

presented by Annika **Fröhlich** (DEU)

**GP 19** [ID=197]

“COVID-19 in Kazakhstan: Incidence, Vaccination, and Response Measures”

presented by Yerbol D. **Burashev** (KAZ)

**GP 20** [ID=201]

“*In vitro* efficacy of the novel rifampicin derivative TPR on low-level rifampicin-resistant strains of *Brucella melitensis*”

presented by Enrico **Mantel** (DEU)

**GP 21** [ID=206]

“Comparison of two Nipah virus strains (Malaysian and Bangladesh) in the hamster model of infection for evaluation of medical countermeasures”

presented by Jack **Smith** (GBR)

**GP 22** [ID=214]

“New Antimicrobial Surfaces based on Silica Mesoporous Nanoparticles Functionalized with Bioactive Compounds”

presented by Alessandra **Amoroso** (ITA)

**HP 06** [ID=19]

“Aerobiome profiling by nanopore sequencing”

presented by María Victoria **Ortega García** (ESP)

**HP 07** [ID=36]

“Development of an automated system for the analysis of large-scale patient care records”

presented by Michael A. **Seidel** (DEU)

**HP 08** [ID=46]

“Newly isolated and archival historical *Bacillus anthracis* strains populate the deeper phylogeny of the A.Br.075(Sterne) clade”

presented by Gregor **Grass** (DEU)

**HP 09** [ID=102]

“Development of a clinical metagenomics workflow for the diagnosis of wound infections”

presented by Carl M. **Halford** (GBR)

**HP 10** [ID=113]

“A bioinformatics workflow for enhancing resolution beyond species-level sequence classification”

presented by Caroline **Öhrman** (SWE)

**HP 11** [ID=116]

“The Influence of Transportation Conditions on Horse Fecal Samples for 16S Sequencing”

presented by Sergii **Borovkov** (UKR)

**HP 12** [ID=117]

“Proteomic and transcriptomic characterization of a new cell culture model to study viral infections”

presented by Johanna **Wallner** (DEU)

**HP 13** [ID=139]

“Pandemics-scale analysis of reticulate phylogenetic relationships between viral pathogens using forest2net”

presented by Salome **Javashvili** (GEO) and Daniel **Lang** (DEU)

**HP 14** [ID=154]

“Collecting Bioresources for Medical Research: Keep your bugs safe!”

presented by Sabine **Gronow** (DEU)

**HP 15** [ID=211]

“Universality and uniqueness of 16S rRNA: Limits in identification of bacterial species”  
presented by Martin **Chmel** (CZE)

**HP 16** [ID=226]

“Sustainability for data availability - CoxBase meets Wikibase”  
presented by Dimitrios **Frangoulidis** (DEU)

**HP 17** [ID=306]

“Genome-wide intraspecific diversity in *Echinococcus multilocularis*”  
presented by Pavlo **Maksimov** (DEU)

**IP 06** [ID=50]

“Preliminary data on seroprevalence for Rift Valley virus and Crimean Congo virus infection in the migrant populations in Italy”  
presented by Daniele **Lapa** (ITA)

**IP 07** [ID=120]

“Antibiotic-resistant bacteria in hospital wastewater as an easily accessible source for reconnaissance of the patient spectrum”  
presented by Laura **Lohbrunner** (DEU)

**IP 08** [ID=124]

“Detection of coronaviruses in insectivores bats in Ukraine”  
presented by Polina **Yurko** (UKR)

**IP 09** [ID=136]

“The dog used as sentinel for the circulation of flaviviruses in the south-east of France in 2023”  
presented by Samia **Bedjaoui** (FRA)

**IP 10** [ID=148]

“Waterborne Disease Risks in Conflict Zones: Analysis of Hepatitis A Dynamics”  
presented by Tetyana O. **Chumachenko** (UKR)

**IP 11** [ID=156]

“Surveillance of Antimicrobial Resistance in Domestic Animals as a One Health Approach: The Role of Pigs as Reservoirs of *Acinetobacter baumannii*”  
presented by Eva **Cunha** (PRT)

**IP 12** [ID=161]

“*Proteus* species in dogs from Cape Verde and São Tomé and Príncipe - a public health concern”  
presented by Manuela **Oliveira** (PRT)

**IP 13** [ID=162]

“Evaluating the therapeutic potential of phages and phage-derived enzymes by understanding the 'One Health' population structure of the 'Kleopatra' *Klebsiella* collection”  
presented by Cedric **Lood** (BEL)

**IP 14** [ID=168]

“Resistome landscape of a multidrug-resistant *Enterococcus faecium* strain isolated from retail broiler carcass in Tunisia”  
presented by Awatef **Béjaoui** (TUN)

**IP 15** [ID=193]

“Human pathogenic *Vibrio* species in Germany's inland waters”  
presented by Susann **Dupke** (DEU)



**JP 01** [ID=42]

“Strengthening the preparedness of the United Nations Secretary-General’s Mechanism (UNSGM) through training of qualified experts in sample collection and transportation”  
presented by Anja **Blasse** (DEU)

**JP 02** [ID=62]

“Food defense in the state of Baden-Württemberg - from database to checklist”  
presented by Christina **Deser** (DEU)

**JP 03** [ID=66]

“Nato Technical Activity: Sequencing For Environmental Aerosol Background Monitoring”  
presented by Markus H. **Antwerpen** (DEU)

**JP 04** [ID=69]

“Assessing and Building Capacities: Madagascar Public Health System (ABCM)”  
presented by Eva **Schulz** (DEU)

**JP 05** [ID=75]

“Joint Action **TERROR** - risks of synthetic biology and recommendations for European countries”  
presented by Tone B. **Johansen** (NOR)

**JP 06** [ID=77]

“Nucleic Acid Synthesis: The Critical Bridge Between Digital Design and Biological Reality”  
presented by Laurent **Bächler** (CHE) and Sana **Zakaria** (GBR)

**JP 07** [ID=78]

“Swiss intensive care units and their resilience to a bioterrorist attack using modified viruses - Strategies to improve Resilience to Biotechnological Threats”  
presented by

**JP 09** [ID=137]

“UNSGM Dry-lab External Quality Assurance Exercises, 2021-2024”  
presented by Annika **Brinkmann** (DEU)

**JP 10** [ID=143]

“Importance of biosecurity and epidemiological intelligence for Biological Defense”  
presented by Luiz Eduardo A. **Ramos da Silva** (BRA)

**JP 11** [ID=183]

“The European Biodefense Laboratory Network (EBLN): Strengthening the European capability of biothreat agents’ identification and tracking systems”  
presented by Markus H. **Antwerpen** (DEU)

**JP 12** [ID=205]

“Disruptions in Acute Respiratory Tract Infection Trends in War-Affected Kharkiv region (Ukraine)”  
presented by Tetyana O. **Chumachenko** (UKR)

**JP 13** [ID=215]

“Stockpiling and provision of unauthorised therapeutics in Germany on the example of ricin antibodies”  
presented by Agata **Mikolajewska** (DEU)

**JP 14** [ID=307]

“SIMBA-Luso: Flagship Project for the implementation of Signature Initiative SIMBA in Lusophone Countries”

presented by Mónica **Nunes** (PRT)

**KP 07** [ID=47]

“Development of a comprehensive protocol for the isolation of viral and bacterial nucleic acids from milk”

presented by Eva-Maria **Raubuch** (DEU)

**KP 08** [ID=57]

“Anthrax rapid tests - the fast solution?”

presented by Marie **Harpke** (DEU)

**KP 09** [ID=58]

“OPXV-LAMPION: modular, rapid and sensitive on-site detection of human-pathogenic Orthopoxviruses”

presented by Andreas **Puyskens** (DEU)

**KP 10** [ID=76]

“Utilization of a tetracycline-inducible system for high-level expression of recombinant proteins in *Francisella tularensis* LVS”

presented by Valeria **Sesko** (CZE)

**KP 11** [ID=106]

“Development of an AmpliSeq-based assay for the detection of bioterror-relevant viral pathogens”

presented by Bárbara **Simo**es (DEU)

**KP 12** [ID=125]

“Production of recombinant DNA polymerase to gain bigger independence from supply chains”

presented by Oksana B. **Zlenko** (UKR)

**KP 13** [ID=130]

“Development and validation of a new innovative and highly sensitive reverse-transcription-real-time-PCR-test for the detection and diagnosis of *Brucella* spp.”

presented by Johann **Illg** (DEU)

**KP 14** [ID=132]

“Microfluidic-integrated liquid-gated graphene field-effect transistors for drug detection”

presented by Ksenija **Arslanova** (DEU)

**KP 15** [ID=157]

“Heterocellular spheroids as a new model for antivirals testing at the blood-brain-barrier (BBB)”

presented by Leopold **Gawenda** (DEU)

**KP 16** [ID=189]

“Development of loop-mediated isothermal amplification (LAMP) based detection systems for *Burkholderia mallei* and *Burkholderia pseudomallei*”

presented by Marie A. **Sprunk** (DEU)

**KP 17** [ID=192]

“Rapid Detection of Pathogens Using a Centrifugal Microfluidic LabDisk System”

presented by Gustav **Grether** (DEU)

**KP 18** [ID=204]

“A Multiplex Polymerase Chain Reaction Assay for the Detection of HSV, CMV, and VZV in Cerebrospinal Fluid”

presented by Jochen M. **Wettengel** (DEU)

**NP 08** [ID=38]

“7 Years OPCW Biotoxin Exercises: Lessons learned”

presented by Michael P. C. **Fibinger** (DEU)

**NP 09** [ID=49]

“A Workflow for Sample Preparation and Detection of Paralytic Shellfish Poisoning Toxins using Liquid Chromatography - Tandem Mass Spectrometry”

presented by Elena **Hartner** (DEU)

**NP 10** [ID=100]

“Bioforensic investigations for the sensitive detection and quantification of ricin on disposable gloves”

presented by Mandy **Knüpfer** (DEU)

**OP 10** [ID=32]

“Learning from each other: an international laboratory training in Tunisia about detecting zoonotic bacterial diseases”

presented by Monia **Daaloul** (TUN)

**OP 11** [ID=37]

“Combining German initiatives to strengthen biosecurity capabilities in Tunisia”

presented by Gordon **Wilke** (DEU)

**OP 12** [ID=44]

“Over a decade of German-Ukrainian cooperation in bacterial zoonoses”

presented by Mandy C. **Elschner** (DEU)

**OP 13** [ID=84]

“Training on Sampling and Identification of Biological Agents”

presented by Nino **Gegeshidze** (GEO)

**OP 14** [ID=85]

“Strengthening Biosecurity through Mobile Laboratory Capacities: The German Biosecurity Programme in Uzbekistan”

presented by Gerald **Zikeli** (DEU)

**OP 15** [ID=142]

“Strengthening Biosafety and Biosecurity Measures for Zoonotic Disease Surveillance and Control: Insights from the Tunisian-German Biosecurity Program”

presented by Ibtihel **Ben Abdallah** (TUN)

**OP 16** [ID=174]

“Enhancing Viral Detection and Diagnostics: A Decade of the German Biosecurity Programme’s Global Impact (2013-2024)”

presented by B **Simoës** (DEU)

**OP 17** [ID=185]

“Enhancing the detection capabilities of *Clostridium botulinum*”

presented by Mari **Gavashelidze** (GEO)

**OP 18** [ID=207]

“**Biosecurity Programme in Ukraine: Strengthening Biosecurity capacities through international cooperation**”

presented by Julia **Schwarz** (DEU)

**OP 19** [ID=208]

“**Development of a qPCR method for *Leptospira* spp. using the DNA sensitive dye KRYSTAL GREEN**”

presented by Oleksii **Solodiankin** (UKR)

**OP 20** [ID=29]

“**Optimization of Oxford Nanopore sequencing protocol for Dengue virusgenomic surveillance and outbreak in Tchad**”

presented by D **Hachim-Abdoulaye** (TCD)

**PP 07** [ID=26]

“**Correlation between Lassa Virus and Odontogenic Tumors in Equatorial Africa**”

presented by Marco M. **De Feo** (ITA)

**PP 09** [ID=82]

“**Monitoring Immunological Markers as potential indicators for Multi-organ Lesions during COVID-19 Infections**”

presented by Shokhruh **Bozoraliev** (UZB)

**PP 10** [ID=63]

“**Emergence of Highly Pathogenic Avian Influenza H5 clade 2.3.4.4b viruses in White-Tailed Eagles: Genomic diversity, evolutionary analysis, and pathological impact**”

presented by Knut **Madslie** (NOR)

**PP 11** [ID=152]

“**Serological subtyping of TBE virus infections**”

presented by Gerhard **Dobler** (DEU)

**PP 12** [ID=153]

“**Prevalence of TBE virus in Latvia**”

presented by Lidia **Chitimia-Dobler** (DEU)