

## QUANDHIP - List of Publications and Presentations

P. Wattiau, A.M. Whatmore, M. Van Hesse, J. Godfroid, D. Fretin: Nucleotide polymorphism-based single-tube test for robust molecular identification of all currently described *Brucella* species, *Appl Environ Microbiol.* 2011 Sep;77(18):6674-9. Epub 2011 Jul 29 (article)

<http://aem.asm.org/content/77/18/6674.full.pdf>

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3187137>

M. Herpay, Z. Szabó, Z. Kienle, B. Pályi, S. Tóth, T. Mag, F. Petrovay, K. Tárnoki-Boross, A. Szilágyi: Development of *F. tularensis* and *B. anthracis* diagnosis, Hungarian Society on Zoonoses, Budapest, 27-28 September 2011 (oral presentation)

U. Sauer, D. Jacob, B. Arnold, A.M. Rohleder, A. Di Caro, R. Iacovino, G. Ippolito and R. Grunow on behalf of the QUANDHIP partners: Contribution to a better future for health in Europe through QUANDHIP: Quality Assurance Exercises and Networking on the Detection of Highly Infectious Pathogens, DG SANCO Health threats unit Workshop on International health security and the impact on public health, October 2011 (poster)

[http://www.quandhip.info/Quandhip/EN/Content/Publications/quandhip-poster.pdf?\\_\\_blob=publicationFile](http://www.quandhip.info/Quandhip/EN/Content/Publications/quandhip-poster.pdf?__blob=publicationFile)

D. Jacob, U. Sauer, S.R. Klee, R. Grunow: External Quality Assurance Exercises for the Detection of High Threat Bacteria in the Framework of a European Network, Medical Biodefense Conference, Munich, 25-28 October 2011 (abstract + oral presentation)

R. Gierczyński, A.A. Zasada: Biosafety and biosecurity in natural and intentionally caused infectious diseases, conference, Warsaw, 04-06 October 2011 (oral presentation)

M. Herpay, Z. Szabó, B. Pályi: Diagnosis of dangerous bacterial pathogens: basic knowledges and interoperability of national laboratories, *Microbiological Letters of National Center for Epidemiology*, Vol. XI. No.1. 2011 (article)

M. Herpay, B. Pályi, Edit H. Gráczér, M. Kurunczi, K.Sz. Pethő, Z.H. Richter: Hungarian Science Fest 2011 Bioterrorism: powdered letters. Budapest, Hospital of the Hungarian Defence Forces, 15-16 November 2011 (oral presentation)

S. Scasciamacchia, L. Serrecchia, L. Giangrossi, G. Garofolo, A. Balestrucci, G. Sammartino, A. Fasanella: Plague Epidemic in the Kingdom of Naples, 1656–1658, *Emerging Infectious Diseases* Vol. 18, No. 1, January 2012 (article)

[http://wwwnc.cdc.gov/eid/article/18/1/11-0597\\_article.htm](http://wwwnc.cdc.gov/eid/article/18/1/11-0597_article.htm)

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3310102/>

A. Di Caro: Networking on the Detection of Highly Infectious Pathogens, Refik Saydam National Public Health Agency, Ankara, 08-09 March 2012 (oral presentation)

C. Herzog, R. Grunow, A.M. Rohleder, D. Jacob, U. Sauer, on behalf of the QUANDHIP network: Establishment of Quality Assurances for Detection of Highly Pathogenic Bacteria and Viruses of Potential Bioterrorism Risk in Framework of an European Network, annual meeting Biotox –Piratox, France, April 2012 (abstract + oral presentation)

R. Grunow, D. Jacob, U. Sauer, A.M. Rohleder, C. Böisinger: QUANDHIP Flyer: EU Joint Action, April 2012 (flyer)

[http://www.quandhip.info/Quandhip/EN/Content/Publications/quandhip-brochure.pdf?\\_\\_blob=publicationFile](http://www.quandhip.info/Quandhip/EN/Content/Publications/quandhip-brochure.pdf?__blob=publicationFile)

Z. Kienle, K. Boross, K. Krisztalovics, B. Pályi: Diagnostical aspects of bacterial zoonosis: *Bartonella* and *Tularemia* serology. In memory of Dr Béla Lányi, Scientific Session, National Center for Epidemiology, Budapest, 09 May 2012 (oral presentation)

R. Grunow, D. Jacob, U. Sauer: Qualitätssicherung in der Tularämiediagnostik, Jena, May 2012 (abstract + oral presentation)

R. Grunow, D. Jacob, A.M. Rohleder, U. Sauer: QUANDHIP - EU-Projekt mit 33 Laboren aus 23 Ländern, RKI News, June 2012 (article)  
<http://intranet.rki.local/DE/Content/RKI/Hausmitteilungen/2012/1112,templateId=raw,property=publicationFile.pdf/1112.pdf>

R. Grunow, U. Sauer, A.M. Rohleder, D. Jacob (2012). Project EQADeBa - Establishment of quality assurances for detection of highly pathogenic bacteria of potential bioterrorism risk, EuroReference, No. 7, ER07-12RX03, June 2012 (article)  
<http://www.afssa.fr/euroreference/Documents/ER07-Reseaux-Eqadeba.pdf>

D. Jacob, U. Sauer, R. Housley, C. Washington, K. Sannes-Lowery, D.J. Ecker, R. Sampath, R. Grunow: Rapid and High-Throughput Detection of Highly Pathogenic Bacteria by Ibis PLEX-ID, PLoS One, PMC3386907, June 2012 (article)  
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0039928>  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3386907>

M. Wittwer, C. Beuret, F. Wüthrich, D. Jacob, R. Grunow, N. Schürch: Ticks as a Vector for Tularemia Infections in Switzerland, Conference on Tularemia, Colorado, September 2012 (poster)

R. Grunow, U. Sauer, D. Jacob: Quality assurance in tularemia diagnostics, Conference on Tularemia, Colorado, September 2012 (abstract + poster)

R. Grunow: Joint Action on Quality Assurance Exercises and Networking on the Detection of Highly Infectious Pathogens QUANDHIP, 9th NMFP Meeting, ECDC, Stockholm, September 2012 (oral presentation)

A.A. Zasada, K. Formińska, K. Zacharczuk: Fast identification of highly pathogenic bacteria – new possibilities, conference: “Boundless microorganisms” organized by Polish Society of Microbiologists (FEMS) Lublin, 05-08 September 2012 (poster)

M. Herpay: Bacterial zoonosis: walking on the way from the verocytotoxigenic *Escherichia coli* to the bioterrorism. Hungarian Society on Zoonoses, Budapest, 09 October 2012 (oral presentation)

B. Pályi, Z. Kis: The National BSL4/3 laboratory. The National Center for Epidemiology and The Mobile Laboratory of the Hungarian Defence Forces joint training. Budapest, 16-17 October 2012 (oral presentation)

A. Karger, R. Stock, M. Ziller, M. Elschner, B. Bettin, F. Melzer, T. Maier, M. Kostrzewa, H.C. Scholz, H. Neubauer, H. Tomaso. Rapid identification of *Burkholderia mallei* and *Burkholderia pseudomallei* by intact cell Matrix-assisted Laser Desorption/Ionisation mass spectrometric typing. BMC Microbiol. 2012 Oct 10;12(1):229 (article)  
<http://www.biomedcentral.com/1471-2180/12/229>  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3534143>

U. Sauer, D. Jacob, A.M. Rohleder and R. Grunow: Establishment of Quality Assurances for Detection of Highly Pathogenic Bacteria of Potential Bioterrorism Risk (EQADeBa), on request for DG SANCO, Conference, Austria, October 2012 (poster)

U. Sauer, D. Jacob, A.M. Rohleder and R. Grunow: Establishment of Quality Assurances for Detection of Highly Pathogenic Bacteria of Potential Bioterrorism Risk (EQADeBa), EUPHA/ASPHER Conference, Malta, November 2012 (poster)

B.R. Thoma, D. Knoop, A. Hartmann, C. Tiemann, L. Zöllner, C. Hinz, D. Jacob, R. Grunow and S. Schmoldt: Comparison of PCR and electrospray-ionization mass spectrometry (ESI-MS) with species-specific diagnostic algorithms during a biodefense external quality assurance exercise, DGHM, Hamburg, 2012 (poster)

M. Wittwer, P. Lasch, M. Drevinek, S. Schmoldt, A. Indra, D. Jacob and R. Grunow: First Report: Application of MALDI-TOF MS within an External Quality Assurance Exercise for the Discrimination of Highly Pathogenic Bacteria from Contaminant Flora, Applied Biosafety Vol. 17, No. 2, 2012 (article)  
<http://www.absa.org/members/abj/121702Wittwer.pdf>

A. Di Caro: External Quality Assurance Exercises for RG4 agents, 20th Meeting of GHSAG Laboratory Network, Germany 2012 (oral presentation)

A.A. Zasada, K. Formińska, K. Zacharczuk: Fast identification of *Yersinia pestis*, *Bacillus anthracis* and *Francisella tularensis* based on conventional PCR. Pol. J. Microbiol 2012 (article)  
<http://www.pjm.microbiology.pl/archive/vol6242013453.pdf>

M.C. de Vries, meeting on bioterrorism in patient diagnostics ("Bioterrorisme in patiënten diagnostiek"), The Netherlands, December 2012 (oral presentation)

R. Grunow, L. Verbeek, D. Jacob, T. Holzmann, G. Birkenfeld, D. Wiens, L. v. Eichel-Streiber, G. Grass, and U. Reischl: Injection Anthrax - a New Outbreak in Heroin Users, Dtsch Arztebl 109(49): 843–848, December 2012 (article)  
<http://www.aerzteblatt.de/int/archive/references?id=133473>  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3528063>

R. Grunow, D. Jacob, G. Ippolito, A. Di Caro: Joint Action on Quality Assurance Exercises and Networking on the Detection of Highly Infectious Pathogens QUANDHIP, SLAM-Meeting, Berlin, 23-24 January 2013 (oral presentation)

C. Nisii, C. Castilletti, H. Raoul, R. Hewson, D. Brown, R. Gopal, M. Eickmann, S. Günther, A. Mirazimi, T. Koivula, H. Feldmann, A. Di Caro, M.R. Capobianchi, G. Ippolito: Biosafety Level-4 Laboratories in Europe: Opportunities for Public Health, Diagnostics, and Research, PLOS Pathogens, Volume 9 Issue 1 e1003105, January 2013 (article)  
<http://www.plospathogens.org/article/info%3Adoi%2F10.1371%2Fjournal.ppat.1003105>  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3547859>

R. Grunow, S.R. Klee, W. Beyer, M. George, D. Grunow, A. Barduhn, S. Klar, D. Jacob, M. Elschner, P. Sandven, A. Kjerulf, J.S. Jensen, W. Cai, R. Zimmermann, L. Schaade: Anthrax among heroin users caused by the same *B. anthracis* strain since 2000, Eurosurveillance, Volume 18, Issue 16, 18 April 2013 (article)  
<http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=20437>  
<http://www.ncbi.nlm.nih.gov/pubmed/23557972>

M. Herpay: Report of the National Reference Laboratory for Highly Pathogenic Bacteria, 2nd Annual meeting of the Hungarian reference laboratories NCE, 05 March 2013 (oral presentation)

M Herpay, Zs Szabó, B Pályi: Bioterrorism: Laboratory diagnostics development, Accredited training, NCE, Budapest, 19-22 March 2013 (lectures)

M Herpay Mária: Report of the Quality Assurance Exercises and Networking on the Detection of Highly Infectious Pathogens (Quandhip), Project Description Day, Ministry of Human Resources, Budapest, 21 March 2013 (oral presentation)

S. Schmoldt: QUANDHIP Working group Antimicrobial Susceptibility Testing. ECCMID, Berlin, April 2013 (oral presentation)

R. Escudero, L. García-San Miguel, E. Rodríguez-Valín, C. Amela, P. Anda: Surveillance and Outbreak Management. International Symposium on Francisella tularensis and Tularemia. Urgup, Nevsehir, 19-22 June 2013 (oral presentation)

European Commission: Joint Actions - EU support for key public health initiatives 2008-2011. Publications Office of the European Union. 2013; ISBN 978-92-9200-026-4. doi:10.2818/1603 (summary)

A. Fasanella, P. Di Taranto, G. Garofolo, V. Colao, L. Marino, D. Buonavoglia, C. Pedarra, R. Adone, M. Hugh-Jones: Ground Anthrax Bacillus Refined Isolation (GABRI) method for analyzing environmental samples with low levels of *Bacillus anthracis* contamination. BMC Microbiol. 2013 Jul 18;13:167 (article)  
<http://www.biomedcentral.com/1471-2180/13/167>  
<http://www.ncbi.nlm.nih.gov/pubmed/23865983>

M.I. Morosini, C. Quereda, H. Gil, P. Anda, M. Núñez-Murga, R. Cantón, R. López-Vélez: Melioidosis in traveler from Africa to Spain. Emerg Infect Dis. 2013 Oct;19 (10):1656-9. doi: 10.3201/eid1910.121785. PMID: 24047798 (article)

B. Palyi, M. Herpay, A. Farkas, B. Szalai, J. Dományi, Z. Kis: Diagnostic capability of the highly pathogenic microorganism at the Hungarian National Biosafety Laboratory at National Center for Epidemiology - results of international proficiency tests. 4th Central European Forum for Microbiology, Keszthely, 16-18 October 2013 (oral presentation)

R. Grunow, U. Sauer, A.M. Rohleder, D. Jacob, on behalf of QUANDHIP partners: European wide External Quality Assurance Exercises for the Diagnoses of High Threat Bacteria – QUANDHIP, ECCMID, Barcelona, May 2014 (poster)

R. Grunow, D. Jacob, U. Sauer, B. Arnold, A.M. Rohleder, A. Di Caro, R. Iacovino, G. Ippolito, on behalf of QUANDHIP partners: European Union Health Programme Joint Action QUANDHIP - Quality Assurance Exercises and Networking on the Detection of Highly Infectious Pathogens. ECCMID, Barcelona, May 2014 (poster)

S. Schmoltdt, P. Bolton, T. Boskani, G. Ezpeleta, R. Grunow, P. Jureen, J. Papaparaskevas, O. Telleria, B. Thoma, A. Tsakris, T. Wahab, D. Jacob: Interlaboratory validation for antimicrobial susceptibility testing of highly pathogenic bacteria and identification of pitfalls in the CLSI microdilution method. ECCMID, Barcelona, May 2014 (poster)

T. Wahab on behalf of AST working group QUANDHIP: QUANDHIP, Working group Antimicrobial Susceptibility Testing. ECCMID, Barcelona, May 2014 (oral presentation)

R. Grunow: Preliminary Conclusions from European wide External Quality Assurance Exercises for the Diagnosis of High Threat Bacteria – Joint Action QUANDHIP. Medical Biodefense Conference, 22-25 October 2013, Munich, Germany (abstract + presentation)

R. Grunow, G. Ippolito: QUANDHIP- Main results, lessons learnt, new JA. Health Security Workshop: How to benefit from European projects? Belgium, 2014 (oral presentation)

R. Grunow, G. Ippolito, D. Jacob, U. Sauer, A.M. Rohleder, A. Di Caro and R. Iacovino: (2014) Benefits of a European project on diagnostics of highly pathogenic agents and assessment of potential “dual use” issues. Front. Public Health. 2014; 2:199. doi: 10.3389/fpubh.2014.00199 (article)  
<http://journal.frontiersin.org/article/10.3389/fpubh.2014.00199/full>

A.A. Zasada, K. Formińska, K. Zacharczuk, D. Jacob, and R. Grunow: Comparison of eleven commercially available rapid tests for detection of *Bacillus anthracis*, *Francisella tularensis* and *Yersinia pestis*. Letters in Applied Microbiology. 2015; 60:409–413. doi: 10.1111/lam.12392 (article)  
<http://onlinelibrary.wiley.com/doi/10.1111/lam.12392/full>

P. Lasch, D. Jacob, S.R. Klee, G. Werner: Discriminatory Power of MALDI-TOF Mass Spectrometry for Phylogenetically Closely Related Microbial Strains. In: Applications of Mass Spectrometry in Microbiology: From Strain Characterization to Rapid Screening for Antibiotic Resistance. Editors: Plamen A. Demirev and Todd R. Sandrin, Springer, 2016, pp 203-234  
[http://link.springer.com/chapter/10.1007/978-3-319-26070-9\\_8](http://link.springer.com/chapter/10.1007/978-3-319-26070-9_8)

P. Lasch, T. Wahab, S. Weil, B. Pályi, H. Tomaso, S. Zange, B. Kiland Granerud, M. Drevinek, B. Kokotovic, M. Wittwer, V. Pflüger, A. Di Caro, M. Stämmeler, R. Grunow, D. Jacob: Identification of Highly Pathogenic Microorganisms using MALDI-TOF Mass Spectrometry – Results of an Inter-Laboratory Ring Trial. *Journal of Clinical Microbiology*. 2015. doi: 10.1128/JCM.00813-15 *J. Clin. Microbiol.* August 2015 vol. 53 no. 8 2632-2640  
<http://jcm.asm.org/content/53/8/2632.full>

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