

EUROIMMUN Publications and Patents

(Link to chapters: Strg + left mouse button)

2025	6
Publications.....	6
Abstracts & Posters.....	6
Lectures	7
Published Patent Applications	8
2024	8
Publications.....	8
Abstracts & Posters.....	10
Lectures	14
Published Patent Applications	14
2023	15
Publications.....	15
Abstracts & Posters.....	18
Lectures	22
Published Patent Applications	23
2022	23
Publications.....	24
Abstracts & Posters.....	26
Lectures	29
Published Patent Applications	30
2021	31
Publications.....	31
Abstracts & Posters.....	33

Lectures	37
Published Patent Applications	38
2020.....	39
Publications.....	39
Abstracts & Posters.....	42
Lectures	43
Published Patent Applications	43
2019.....	45
Publications.....	45
Abstracts & Posters.....	48
Lectures	51
Published Patent Applications	54
2018.....	54
Publications.....	54
Abstracts & Posters.....	57
Lectures	60
Published Patent Applications	62
2017.....	63
Publications.....	63
Abstracts & Posters.....	66
Lectures	67
Published Patent Applications	69
2016.....	70
Publications.....	70
Abstracts & Posters.....	73
Lectures	76
Published Patent Applications	77
2015.....	78

Publications.....	78
Abstracts & Posters.....	80
Lectures	81
Published Patent Applications	81
2014.....	82
Publications.....	82
Abstracts & Posters.....	85
Lectures	86
Published Patent Applications	87
2013.....	88
Publications.....	88
Abstracts & Posters.....	90
Lectures	91
Published Patent Applications	92
2012.....	93
Publications.....	93
Abstracts & Posters.....	95
Lectures	95
Published Patent Applications	96
2011.....	96
Publications.....	96
Abstracts & Posters.....	98
Lectures	100
Published Patent Applications	101
2010.....	101
Publications.....	101
Abstracts & Posters.....	103
Lectures	104

Published Patent Applications	105
2009.....	106
Publications.....	106
Abstracts & Posters.....	107
Lectures	109
Published Patent Applications	110
2008.....	110
Publications.....	110
Abstracts & Posters.....	110
Lectures	112
Published Patent Applications	113
2007.....	114
Publications.....	114
Abstracts & Posters.....	114
Lectures	116
Published Patent Applications	116
2006.....	116
Publications.....	116
Abstracts & Posters.....	117
Lectures	117
Published Patent Applications	117
2005.....	117
Publications.....	117
Abstracts & Posters.....	118
Lectures	118
Published patent applications	118
2004.....	119
Publications.....	119

Abstracts & Posters	119
Published Patent Applications	120
2003	120
Publications	120
Published Patent Applications	121
2002	121
Publications	121
Abstracts & Posters	121

Publications

1. Ansah-Dico S et al. **The role of autoantibodies in post-chikungunya viral arthritis disease severity.** Microbiol Spectr [online ahead of print] e0265624 (2025). DOI: 10.1128/spectrum.02656-24.
2. Fontana PN et al. **Applicability of a serodiagnostic line blot for idiopathic inflammatory myopathy: the muscle biopsy is not all.** Front. Neurol. 15:1504260 (2025). DOI: 10.3389/fneur.2024.1504260.
3. Ibrahimová M et al. **Preliminary evaluation of a new prototype interferon-gamma release assay for the detection of *Mycobacterium tuberculosis*-specific T-cell responses in patients with tuberculosis.** Folia Microbiol [online ahead of print] (2025). DOI: 10.1007/s12223-025-01252-w.
4. Kawaguchi N et al. **Comparison of the sensitivity of anti-acetylcholine receptor enzyme-linked immunosorbent assay and radioimmunoassay in different treatment periods.** Clin Exp Neuroimmunol (2025). DOI: 10.1111/cen3.12833.
5. Neumann FAO et al. ***Pneumocystis jirovecii* pneumonia: The potential of KEX1, MSG1, and MSG2 as key antigens in cytokine release assays.** Diagnostics 15(7):793 (2025). DOI: 10.3390/diagnostics15070793.
6. Oliveira FGC et al. **The effect of COVID-19 vaccination on serum levels of anti-Müllerian hormone in women of reproductive age.** JBRA Assist Reprod [online ahead of print] (2025). DOI: 10.5935/1518-0557.20240098.
7. Pache F et al. **Broad analysis of serum and intrathecal antimicrobial antibodies in multiple sclerosis underscores unique role of Epstein-Barr virus.** Neurol Neuroimmunol Neuroinflamm 12(1):e200332 (2025). DOI: 10.1212/NXI.0000000000200332.
8. Pigors M et al. **Anti-laminin $\beta 4$ IgG drives tissue damage in anti-p200 pemphigoid and shows interactions with laminin $\alpha 3$ and $\gamma 1/2$ chains.** J Invest Dermatol 145(4):821-830.e3 (2025). DOI: 10.1016/j.jid.2024.08.004.
9. Schwarzlose-Schwarck S et al. **Evaluation of three novel antigens and costimulatory agents for improvement of *M. Tuberculosis* specific interferon gamma release assays.** BMC Infect Dis 25(1):188 (2025). DOI: 10.1186/s12879-025-10577-3.
10. Zeng Z et al. **Identification of nuclear valosin-containing-protein-like as a target of anti-nuclear autoantibodies in systemic sclerosis.** Front Med 11: 1477365 (2025). DOI: 10.3389/fmed.2024.1477365.

Abstracts & Posters

1. Arlt FA et al. **Neuropathy with autoantibodies against septin multimers in PNS myelin mimicking lower motor neuron disease.** 77th Annual Meeting of the American Academy of Neurology (AAN), San Diego, USA (2025).
2. Benning S et al. **Detection of immune response to Rubella antigen using an anti-Rubella IgM ELISA and a newly designed anti-Rubella IgG ELISA.** 9th European Congress of Virology (ECV), Dubrovnik, Croatia (2025).
3. Benning S et al. **Detection of immune response to Rubella antigen using an anti-Rubella IgM ELISA and a newly designed anti-Rubella IgG ELISA.** Congress of the European Society of Clinical Microbiology and Infectious Diseases (ESCMID Global), Vienna, Austria (2025).

4. Confettura AD et al. **Chemiluminescence immunoassays support categorization of Alzheimer's disease-related biomarker profiles according to the ATN system.** International Conference on Alzheimer's and Parkinson's Diseases (AD/PD), Vienna, Austria (2025).
5. Confettura AD et al. **Methodological validation of four ChLIAs for Alzheimer's disease-related biomarker detection in CSF.** International Conference on Alzheimer's and Parkinson's Diseases (AD/PD), Vienna, Austria (2025).
6. Elleuche S et al. **Evaluation of a new prototype ELISA for the detection of autoantibodies against IA2 in patients with type 1 diabetes mellitus.** 18th International Conference on Advanced Technologies & Treatment for Diabetes (ATTD), Amsterdam, The Netherlands (2025).
7. Elleuche S et al. **Performance of a new prototype ELISA for the detection of autoantibodies against GAD65 in patients with Type 1 diabetes mellitus.** 18th International Conference on Advanced Technologies & Treatment for Diabetes (ATTD), Amsterdam, The Netherlands (2025).
8. Hohensee S et al. **Antibody detection in the context of vaccination against tick-borne encephalitis virus using two IVDR approved ELISAs.** 9th European Congress of Virology (ECV), Dubrovnik, Croatia (2025).
9. Hohensee S et al. **Sensitivity of two IVDR approved ELISAs for detection of anti-tick-borne encephalitis virus antibodies.** 9th European Congress of Virology (ECV), Dubrovnik, Croatia (2025).
10. Klemens JM et al. **Mayaro virus and Chikungunya virus IgM and IgG testing in parallel improves diagnosis of acute Mayaro virus infections.** Conference of the Association of Public Health Laboratories (APHL): ID Lab Con, Pasadena, USA (2025).
11. Klemens JM et al. **Detection of anti-Oropouche virus-specific IgM in a patient panel from a Zika virus epidemic area in 2015 / 2016.** Congress of the European Society of Clinical Microbiology and Infectious Diseases (ESCMID Global), Vienna, Austria (2025).
12. Lindemann T et al. **New real-time PCR test for APOE genotyping in Alzheimer's patients before anti-amyloid therapy.** International Conference on Alzheimer's and Parkinson's Diseases (AD/PD), Vienna, Austria (2025).
13. Lindemann T et al. **Development of a prototype ChLIA and a research-use only ELISA for the detection of light chain neurofilament (NfL) in CSF.** International Conference on Alzheimer's and Parkinson's Diseases (AD/PD), Vienna, Austria (2025).
14. Pfautsch S et al. **Evaluation of the diagnostic performance of a new ELISA for the detection of anti-Trichinella antibodies.** Joint Parasitology Pring Meeting (BSP, DGP, SSTMP), Würzburg, Germany (2025).
15. Weiss J et al. **Evaluation of the performance of the EUROIMMUN anti-GABA_AR IFA in patients with suspected autoimmune anti-GABA_AR encephalitis.** World Encephalitis Day Conference, Jacksonville, USA (2025).
16. Weiss J et al. **Detection of KLHL11 autoantibodies using a new cell-based indirect immunofluorescence assay.** World Encephalitis Day Conference, Jacksonville, USA (2025).

Lectures

1. Aldag J. **ANA diagnostics – ICAP and disease specific profiles.** Kauvery CME, Chennai, India (2025).
2. Aldag J. **ANA diagnostics – ICAP and disease specific profiles.** Apollo Diagnostics CME, Hyderabad, India (2025).

3. Aldag J. **ANA diagnostics – ICAP and disease specific profiles**. LalPath Laboratories CME, Bangalore, India (2025).
4. Aldag J. **ANA diagnostics – ICAP and disease specific profiles**. Medanta CME, Delhi, India (2025).
5. Dieckmann K, Silvia Falke. **Antibody detection in the context of vaccination against tick-borne encephalitis virus using two IVDR approved ELISAs**. Meeting of the Scandinavian Network for Tick and Tick-borne Pathogen Research (SNÄFF), Ystad Sweden (2025).
6. Diering S. **Detection of dermatophytes in contaminated and negative cultures from nail samples using molecular mycology- a retrospective comparison of PCR/sequencing and DNA microarray**. Tagung der Deutschen Dermatologischen Gesellschaft (DDG), Berlin, Germany (2025).
7. Stanisak A. **Complete All-in-One Automation in IIFT**. Kauvery CME, Chennai, India (2025).
8. Stanisak A. **Automation in reporting of IIFT**. Apollo Diagnostics CME, Hyderabad, India (2025).
9. Stanisak A. **Importance of automation in Autoimmune Diagnosis**. LalPath Laboratories CME, Bangalore, India (2025).
10. Stanisak A. **Complete automation in IIFT**. Medanta CME, Delhi, India (2025).
11. Weiss J. **Identification of DAGLA as an autoantibody target in cerebellar ataxia**. 77th Annual Meeting of the American Academy of Neurology (AAN), San Diego, USA (2025).

Published Patent Applications

1. Petter K et al. **Device and automated laboratory machine for incubating multiple patient samples using multiple incubation vessels**. European, Chinese and US patent application EP4494756 (filed 2023), CN119331725A (filed 2024) and US2025/0027968 (filed 2024).
2. Scharf M et al. **Method and reagents for the detection of a mammalian antibody**. US patent application US2025/0027953 (filed 2024).

2024

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2. Arendt P et al. **Differentiation of Alzheimer's disease from other neurodegenerative disorders using chemiluminescence immunoassays measuring cerebrospinal fluid biomarkers**. Front Dement 3:1455619 (2024). DOI: 10.3389/frdem.2024.1455619.
3. Arlt FA et al. **KCNA2 IgG autoimmunity in neuropsychiatric diseases**. Brain Behav Immun 117:399-411 (2024). DOI: 10.1016/j.bbi.2024.01.220.
4. Biesen R et al. **Autoantikörperdiagnostik bei idiopathisch inflammatorischen Myopathien [Autoantibody diagnostics in idiopathic inflammatory myopathy]**. Z Rheumatol 83(3):242-249 (2024). DOI: 10.1007/s00393-024-01476-0.

5. Carraro A et al. **New insights into pediatric kidney transplant rejection biomarkers: tissue, plasma and urine microRNAs compared to protocol biopsy histology.** *Int J Mol Sci* 25(3):1911 (2024). DOI: 10.3390/ijms25031911.
6. Carvalho RS et al. **Cerebrospinal fluid CXCL13 concentration for diagnosis and monitoring of neurosyphilis in people with HIV.** *AIDS* 38(5):657-668 (2024). DOI: 10.1097/QAD.0000000000003813.
7. Chang AY et al. **Development of a chikungunya arthritis disease activity score (CHIK-DAS) based on a prospective cohort study.** *J Cell Immunol* 6(6):236-246 (2024).
8. Dulaska A et al. **The potential coexistence of autoimmune thyroid diseases and pediatric vulvar lichen sclerosus.** *Children (Basel)* 11(2):255 (2024). DOI: 10.3390/children11020255.
9. Dulaska A et al. **The need of differential diagnosis between vulvar lichen sclerosus and autoimmune dermatoses in adolescent girls.** *Dermatol Ther (Heidelb)* 14(3):759-766 (2024). DOI: 10.1007/s13555-024-01124-0.
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11. Goletz S et al. **Sensitive and specific assay for the serological diagnosis of anti-p200 pemphigoid based on the recombinant laminin β 4 subunit.** *Br J Dermatol* 191(1):140-141 (2024). DOI: 10.1093/bjd/ljae136.
12. Jarius S et al. **Improving the sensitivity of myelin oligodendrocyte glycoprotein-antibody testing: exclusive or predominant MOG-IgG3 seropositivity-a potential diagnostic pitfall in patients with MOG-EM/MOGAD.** *J Neurol* 271(7):4660-4671 (2024). DOI: 10.1007/s00415-024-12285-5.
13. Kälén T et al. **SARS-CoV-2 mRNA vaccines do not worsen autoimmunity in patients with autoimmune liver diseases.** *J Autoimmun* 149:103325 (2024). DOI: 10.1016/j.jaut.2024.103325.
14. Kapoor T et al. **Prevalence of Powassan virus seropositivity among people with history of Lyme disease and non-Lyme community controls in the Northeastern United States.** *Vector Borne Zoonotic Dis* 24(4):226-236 (2024). DOI: 10.1089/vbz.2022.0030.
15. Khatib L et al. **Autoimmune cerebellar ataxia associated with anti-glutamate receptor δ 2 antibodies: a rare but treatable entity.** *Cerebellum* 23(1):260-266 (2024). DOI: 10.1007/s12311-023-01523-7.
16. Kühnl A et al. **Relevance of anti-PLA2R levels in therapy decision and prediction of therapy outcome using cyclophosphamide and steroids treatment in patients with membranous nephropathy.** *Nephrol Dial Transplant* 39(Suppl1):i2144 (2024). DOI: 10.1093/ndt/gfae069/1332.
17. Liaskos C et al. **SAT-551 F-actin in autoimmune liver diseases: a comprehensive evaluation of diagnostic potential using a newly-developed autoimmune liver line immunoassay.** *J Hepatol* 80(S1):S358 (2024).
18. Lochman I et al. **Laboratory diagnosis of SARS-CoV-2 infection after the end of the COVID-19 pandemic.** *Clinical Immunology and Allergy* 34(1):19 (2024).
19. Miske R et al. **Identification of DAGLA as an autoantibody target in cerebellar ataxia.** *J Neurol Neurosurg Psychiatry* 95(11):1064-1076 (2024). DOI: 10.1136/jnnp-2024-333458.
20. Panic N et al. **A multiparametric method improves the serological characterization of inflammatory bowel diseases: Preliminary results from a multicenter Eastern Europe study.** *Gastrointest Disord* 6(1):152-163 (2024). DOI: 10.3390/gidisord6010011.
21. Patrikiou E et al. **Investigating the link between Helicobacter pylori infection and psoriatic disease: an immunological study.** *Immunol Res* 73(1):22 (2024). DOI: 10.1007/s12026-024-09569-3.

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23. Pigors M et al. **Bullous pemphigoid induced by IgG targeting type XVII collagen non-NC16A/NC15A extracellular domains is driven by Fc gamma receptor- and complement-mediated effector mechanisms and is ameliorated by neonatal Fc receptor blockade.** *J Pathol* 262(2):161-174 (2024). DOI: 10.1002/path.6220.
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26. Talucci I et al. **Molecular dissection of an immunodominant epitope in Kv1.2-exclusive autoimmunity.** *Front Immunol* 15:1329013 (2024). DOI: 10.3389/fimmu.2024.1329013.
27. Tegtmeier J et al. **Reactivity against the BP180 ectodomain in patients with bullous pemphigoid, mucous membrane pemphigoid, multiple sclerosis and Parkinson disease.** *Exp Dermatol* 33(7):e15125 (2024). DOI: 10.1111/exd.15125.
28. Traversa D et al. **Seropositivity for Toxoplasma gondii in cats with clinical signs and living in households with women of childbearing age.** *Vet Parasitol* 332:110313 (2024). DOI: 10.1016/j.vetpar.2024.110313.
29. Veling M et al. **Rapid Candida auris screening and echinocandins resistance detection through an automated high-throughput extraction and real-time PCR solution.** *Lab Matters* 2:12 (2024).
30. Venkataraman I et al. **Performance assessment of the new EUROLINE Neurologic Syndrome 15 Ag (IgG) for the detection of neurologic antibodies.** *Neurology* 103(7_Supplement_1):S78-S79 (2024). DOI: 10.1212/01.wnl.0001051516.09427.14.
31. Von Possel R et al. **Performance analysis of serodiagnostic tests to characterize the incline and decline of the individual humoral immune response in COVID-19 patients: Impact on diagnostic management.** *Viruses* 16(1):91 (2024). DOI: 10.3390/v16010091.
32. Wendt R et al. **Serum uromodulin associates with kidney function and outcome in a cohort of hospitalised COVID-19 patients.** *Sci Rep* 14(1):25420 (2024). DOI: 10.1038/s41598-024-76372-3.
33. Zieba-Domalik MJ et al. **Association between vulvar lichen sclerosus and celiac disease in woman.** *Ginekol Pol* [online ahead of print] (2024). DOI: 10.5603/gpl.103181.
34. Zieba-Domalik MJ et al. **Associations vulvar lichen sclerosus with autoimmune thyroid diseases.** *Ginekol Pol* [online ahead of print] (2024). DOI: 10.5603/gpl.103145.
35. Zonta MA et al. **Prevalence of sexually transmitted infections and human papillomavirus in cervical samples from incarcerated women in São Paulo, Brazil: a retrospective single-center study.** *Front Public Health* 12:1353845 (2024). DOI: 10.3389/fpubh.2024.1353845.

Abstracts & Posters

1. Arendt P et al. **Performance assessment of novel chemiluminescence immunoassays for the detection of specific biomarkers for Alzheimer's disease.** Alzheimer's Association International Conference (AAIC), Philadelphia, USA (2024).
2. Arendt P et al. **Performance assessment of novel chemiluminescence immunoassays for the detection of specific biomarkers for Alzheimer's disease.** International Conference on

Alzheimer's and Parkinson's Diseases (AD/PD), Lisbon, Portugal (2024).

3. Benning S et al. **Detection of immune response to Rubella antigen using an anti-Rubella IgM ELISA and a newly designed anti-Rubella IgG ELISA.** Clinical Virology Symposium (CVS) of the American Society for Microbiology (ASM), Long Beach, CA, USA (2024).
4. Benning S et al. **Detection of immune response to Rubella antigen using an anti-Rubella IgM ELISA and a newly designed anti-Rubella IgG ELISA.** 26th Annual Conference of the European Society for Clinical Virology (ESCV), Frankfurt, Germany (2024).
5. Bestmann Y et al. **Serodiagnosis of anti-glomerular basement membrane disease using a newly developed chemiluminescence immunoassay.** 14th International Congress on Autoimmunity (ICA), Ljubljana, Slovenia (2024).
6. Carvalho RS et al. **CONCENTRAÇÃO DA QUIMIOCINA CXCL13 NO LÍQUIDO CEFALORRAQUIDIANO PARA DIAGNÓSTICO E MONITORAMENTO DA NEUROSSÍFILIS EM PESSOAS VIVENDO COM O HIV.** IX Congresso de Infectiologia do Estado do RIO de Janeiro (Infecto RIO), Rio de Janeiro, Brazil (2024).
7. Carvalho RS et al. **UTILIZAÇÃO DA CONCENTRAÇÃO DE CXCL13 NO LÍQUIDO CEFALORRAQUIDIANO PARA DIAGNÓSTICO E MONITORAMENTO DA NEUROSSÍFILIS: UM RELATO DE TRÊS CASOS.** IX Congresso de Infectiologia do Estado do RIO de Janeiro (Infecto RIO), Rio de Janeiro, Brazil (2024).
8. Cosgun Y et al. **Performance of new nucleoprotein-based ELISAs for serodiagnosis of acute Crimean-Congo hemorrhagic fever virus infections.** 4th NordTick Conference, Nyborg, Denmark (2024).
9. Deerberg A et al. **F-actin as a new marker antigen for autoimmune hepatitis on an established multiparametric immunoassay profile for liver diseases.** 37th Annual Meeting of the Association of Medical Laboratory Immunologists (AMLI), Nashville, USA (2024).
10. Elleuche S et al. **Evaluation of a new prototype ELISA for the detection of autoantibodies against IA2 in patients with type 1 diabetes mellitus.** 14th International Congress on Autoimmunity (ICA), Ljubljana, Slovenia (2024).
11. Elleuche S et al. **Evaluation of a new prototype ELISA for the detection of autoantibodies against IA2 in patients with type 1 diabetes mellitus.** 26th European Congress of Endocrinology (ECE), Stockholm, Sweden (2024).
12. Elleuche S et al. **Performance of a new prototype ELISA for the detection of autoantibodies against GAD65 in patients with Type 1 diabetes mellitus.** 14th International Congress on Autoimmunity (ICA), Ljubljana, Slovenia (2024).
13. Elleuche S et al. **Performance assessment of a newly developed chemiluminescence assay for anti-CCP determination.** 14th International Congress on Autoimmunity (ICA), Ljubljana, Slovenia (2024).
14. Elleuche S et al. **Serodiagnosis of rheumatoid arthritis using the new Accentis chemiluminescence immunoassay platform for anti-CCP antibody detection.** 37th Annual Meeting of the Association of Medical Laboratory Immunologists (AMLI), Nashville, USA (2024).
15. Elleuche S et al. **Serodiagnosis of rheumatoid arthritis using the new Accentis chemiluminescence immunoassay platform for anti-CCP antibody detection.** International Congress on Autoimmune Pre-Disease (ICAPD), Lübeck, Germany (2024).
16. Elleuche S et al. **Performance assessment of a newly developed chemiluminescence assay for anti-CCP determination.** 37th Annual Meeting of the Association of Medical Laboratory Immunologists (AMLI), Nashville, USA (2024).
17. Filippis C et al. **New real-time PCR assay for detection of *Candida auris* and echinocandin resistance-associated mutations.** Annual Conference of the Association of Public Health Laboratories (APHL), Milwaukee, USA (2024).

18. Hidalgo R et al. **Precisão interlaboratorial do Immunoblot para detecção de anticorpos IgG contra antígenos alimentares**. 56° Congresso Brasileiro de Patologia Clínica e Medicina Laboratorial (CBPCML), Salvador, Brazil (2024).
19. Hidalgo Dias R et al. **Educação Continuada Corporativa: reflexos na evolução da Medicina Diagnóstica laboratorial**. 56° Congresso Brasileiro de Patologia Clínica e Medicina Laboratorial (CBPCML), Salvador, Brazil (2024).
20. Hoffmann K et al. **Comparative evaluation of the diagnostic performance of two *Aspergillus* antigen ELISAs**. 12th Meeting of the Iranian Division of International Academy of Pathology, International Congress of Pathology and Laboratory Medicine (PLM), Tehran, Iran (2024).
21. Hohensee S et al. **Antibody detection in the context of vaccination against tick-borne encephalitis virus using a newly designed ELISA**. Clinical Virology Symposium (CVS) of the American Society for Microbiology (ASM), Long Beach, CA, USA (2024).
22. Hohensee S et al. **Antibody detection in the context of vaccination against tick-borne encephalitis virus using a newly designed ELISA**. 26th Annual Conference of the European Society for Clinical Virology (ESCV), Frankfurt, Germany (2024).
23. Ibrahimová M et al. **Evaluation of a new prototype interferon-gamma release assay for the determination of T-cell-mediated immunity in tuberculosis**. 7th Joint Microbiology & Infection Conference of the German Society for Hygiene and Microbiology (DGHM) and the Association of General and Applied Microbiology (VAAM), Würzburg, Germany (2024).
24. Ibrahimová M et al. **Evaluation of a new prototype interferon-gamma release assay for the determination of T-cell-mediated immunity in tuberculosis**. XLI. Congress of Czech and Slovak Allergists and Clinical Immunologists (CCSACI), Hradec Králové, Czech Republic (2024).
25. Klemens JM et al. **Mayaro virus and Chikungunya virus IgM and IgG testing in parallel improves diagnosis of acute Mayaro virus infections**. 34th European Congress of Clinical Microbiology & Infectious Diseases (ECCMID), Barcelona, Spain (2024).
26. Klemens JM et al. **Mayaro virus and Chikungunya virus IgM and IgG testing in parallel improves diagnosis of acute Mayaro virus infections**. Clinical Virology Symposium (CVS) of the American Society for Microbiology (ASM), Long Beach, CA, USA (2024).
27. Kohlie R et al. **Evaluation of the performance of the EUROIMMUN anti-GABA_AR IFA in patients with suspected autoimmune anti-GABA_AR encephalitis**. 14th International Congress on Autoimmunity (ICA), Ljubljana, Slovenia (2024).
28. Kruse T et al. **Comparison of prototype ELISAs for serodiagnosis of visceral leishmaniasis**. 34th European Congress of Clinical Microbiology & Infectious Diseases (ECCMID), Barcelona, Spain (2024).
29. Kühnl A et al. **Relevance of anti-PLA2R levels in therapy decision and prediction of therapy outcome using cyclophosphamide and steroids treatment in patients with membranous nephropathy**. 61st European Renal Association (ERA) Congress, Stockholm, Sweden (2024).
30. Latorre I et al. **Detection of T-cell responses in tuberculosis patients using a new prototype interferon-gamma release assay**. 34th European Congress of Clinical Microbiology & Infectious Diseases (ECCMID), Barcelona, Spain (2024).
31. Liaskos C et al. **F-actin in autoimmune liver diseases: a comprehensive evaluation of diagnostic potential using a newly-developed autoimmune liver line immunoassay**. Congress of the European Association of the Study of the Liver (EASL), Milan, Italy (2024).
32. Loritz M et al. **DAGLA als Zielstruktur einer immunvermittelten Cerebellitis**. 41. Arbeitstagung der Neurointensivmedizin (AMIM), Berlin, Germany (2024).

33. Meißner D et al. **New real-time PCR test for APOE genotyping in Alzheimer's patients before anti-amyloid therapy.** Alzheimer's Association International Conference (AAIC), Philadelphia, USA (2024).
34. Mindorf S et al. **Detection of KLHL11 autoantibodies using a new cell-based indirect immunofluorescence assay.** 14th International Congress on Autoimmunity (ICA), Ljubljana, Slovenia (2024).
35. Miske R et al. **Identification of DAGLA as an autoantibody target in cerebellar ataxia.** 14th International Congress on Autoimmunity (ICA), Ljubljana, Slovenia (2024).
36. Miske R et al. **Identifizierung von DAGLA Autoantikörpern bei akuter zerebellärer Ataxie.** 97. Kongress der Deutschen Gesellschaft für Neurologie (DGN), Berlin, Germany (2024).
37. Miske R et al. **Identification of DAGLA as an autoantibody target in cerebellar ataxia.** 37th Annual Meeting of the Association of Medial Laboratory Immunologists (AMLI), Nashville, USA (2024).
38. Montallier C et al. **Development and evaluation of i-Tracker Risankizumab and i-Tracker Anti-Risankizumab kits: fast and innovative chemiluminescent assays for the monitoring of patients treated with Risankizumab.** IBD Nordic Conference, Malmö, Sweden (2024).
39. Ott A et al. **Simultaneous detection of multiple Purkinje cell antigens using the EUROLINE Purkinje Cell Profile (IgG).** 14th International Congress on Autoimmunity (ICA), Ljubljana, Slovenia (2024).
40. Ott A et al. **Performance assessment of the new EUROLINE Neurologic Syndrome 15 Ag (IgG) for the detection of neurologic antibodies.** 14th International Congress on Autoimmunity (ICA), Ljubljana, Slovenia (2024).
41. Resende CF et al. **Frequência de anticorpos IgG contra antígenos alimentares em São Paulo (São Paulo, Brasil): leite e derivados podem ser vilões na SA? 56° Congresso Brasileiro de Patologia Clínica e Medicina Laboratorial (CBPCML), Salvador, Brazil (2024).**
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58. Zonta M et al. **Prevalences of HPV and other sexually transmitted diseases among women living in remote areas along the Amazon rivers-Brazil**. International Multidisciplinary HPV Congress of the European Research Organisation on Genital Infection and Neoplasia (EUROGIN), Stockholm, Sweden (2024).

Lectures

12. Confettura AD. **IIFT Cell-Based Assay – Applications in Autoimmune diseases diagnostics**. „The EUROIMMUN Effect“ – Workshop EUROIMMUN Italia, Padua, Italy (2024).
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3. Hocke J et al. **Method and device for detecting at least one fluorescence pattern on an immunofluorescence image of a biological cell substrate**. European, Chinese and US patent application EP4345775 (filed 2022), CN117805383A (filed 2023) and US2024/0118209A1 (filed 2023).
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2023

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Abstracts & Posters

1. Aguilar E et al. **Detection of anti-AMPA receptor autoantibodies using a new substrate for recombinant cell-based testing.** 16th Dresden Symposium on Autoantibodies, Dresden, Germany (2023).
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3. Alessio MG et al. **A new chemiluminescence immunoassay for the detection of faecal calprotectin.** 36th Annual Meeting of the Association of Medical Laboratory Immunologists (AMLI), Seattle, USA (2023).
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12. Cosgun Y et al. **Performance of new nucleoprotein-based ELISAs for serodiagnosis of acute Crimean-Congo hemorrhagic fever virus infections.** 25th Annual Conference of the European Society for Clinical Virology (ESCV), Milan, Italy (2023).
13. Cosgun Y et al. **Performance of new nucleoprotein-based ELISAs for serodiagnosis of acute Crimean-Congo hemorrhagic fever virus infections.** Medical Biodefense Conference (MBDC), Munich, Germany (2023).
14. Deerberg A et al. **F-actin as a new marker antigen for autoimmune hepatitis on an established multiparametric immunoassay profile for liver diseases.** 16th Dresden Symposium on Autoantibodies, Dresden, Germany (2023).
15. De Gaspari P et al. **Humoral response to SARS-CoV-2: a perspective study in vaccinated subjects and COVID-19 patients.** 16th Dresden Symposium on Autoantibodies, Dresden, Germany (2023).
16. Dibbern J et al. **Assessment of a new miniaturized line blot system for fully automated serodiagnosis of *Borrelia* infections.** Meeting of the Scandinavian Network for Tick and Tick-borne Pathogen Research (SNÄFF), Lund, Sweden (2023).
17. Dibbern J et al. **Assessment of a new miniaturized line blot system for fully automated serodiagnosis of *Borrelia* infections.** 33rd European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Copenhagen, Denmark (2023).
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56. Sabalza M et al. **Mayaro virus and Chikungunya virus IgM and IgG testing in parallel improves diagnosis of acute Mayaro virus infections**. 7th Pan-American Dengue Research Network (PADRN) Meeting, Lima, Peru (2023).

57. Sabalza M et al. **Comparison of prototype ELISAs for serodiagnosis of visceral leishmaniasis**. Annual Meeting of the American Society of Tropical Medicine & Hygiene (ASTMH), Chicago, USA (2023).
58. Sabalza M et al. **Development of a novel NS1-based ELISA for the detection of specific IgG antibodies against Japanese encephalitis virus**. Conference of the Association of Public Health Laboratories (APHL): ID Lab Con, Atlanta USA (2023).
59. Sacchi MC et al. **Evidence of the presence of antinuclear antibodies (ANA) in healthcare workers after mRNA based anti-SARS-CoV-2 vaccines: two years follow-up study**. 16th Dresden Symposium on Autoantibodies, Dresden, Germany (2023).
60. Schäfer J et al. **Novel ELISA based on purified and recombinant antigens from *Toxocara canis* exhibits a high diagnostic sensitivity**. Conference of the Association of Public Health Laboratories (APHL): ID Lab Con, Atlanta USA (2023).
61. Scharf M et al. **Septin-3 as a novel autoimmune target antigen in patients with paraneoplastic cerebellar ataxia**. 36th Annual Meeting of the Association of Medical Laboratory Immunologists (AMLI), Seattle, USA (2023).
62. Scharf M et al. **Septin-3 as a novel autoimmune target antigen in patients with paraneoplastic cerebellar ataxia**. 16th Dresden Symposium on Autoantibodies, Dresden, Germany (2023).
63. Traversa D et al. **Seroexposure to zoonotic *Anaplasma* and *Borrelia* in dogs and horses in contact with vulnerable people in Italy**. 15th International Symposium on Ticks and Tick-borne Diseases (ISTTBD), Weimar, Germany (2023).
64. Van Beers J et al. **Routine application of PR3- and MPO-ANCA chemiluminescence immunoassays demonstrates enhanced detection rates**. Annual Scientific Meeting & Clinical Lab Expo of the American Association for Clinical Chemistry (AACC), Anaheim, USA (2023).
65. Wu JL et al. **Clinical performance comparison of neurofascin-155 antibody testing methodologies**. 36th Annual Meeting of the Association of Medical Laboratory Immunologists (AMLI), Seattle, USA (2023).

Lectures

1. Bestmann Y. **Serological diagnosis of membranous nephropathy**. Online Webinar CPC Diagnostics, virtual presentation (2023).
2. Brock J. **PLA₂R cell-based assay**. Online Workshop: Autoimmune indirect immunofluorescence testing, Eindhoven, The Netherlands, virtual presentation (2023).
3. Dieckmann K. **Review of the current diagnostic guidelines detecting Lyme borreliosis and new diagnostic tools**. Sveriges Nätverk för Fästing Forskare (SNÄFF), Lund, Sweden (2023).
4. Pedaran M. **Aspergillus**. Internes Webinar EUROIMMUN, virtual presentation (2023).
5. Pedaran M. **Comparative evaluation of the diagnostic performance of two Aspergillus antigen ELISAs**. Nordic Society for Medical Mycology (NSMM), Maersk Tower University, Copenhagen, Denmark (2023).
6. Pollmann M. **Serologische Diagnostik der Lyme-Borreliose**. Vortrag für Mitarbeiter des Klinikums Hanau, virtual presentation (2023).
7. Scharf M. **Discovery of autoantibodies in autoimmune neurological syndromes**. 16th Dresden Symposium on Autoantibodies, Dresden, Germany (2023).
8. Schlumberger W. **Blutanalysen zum Nachweis von Nierenerkrankungen**. Weltnierentag, Greifswald, Germany (2023).

9. Warnecke JM. **Analysis of cellular and humoral responses after SARS-CoV-2 infection and vaccination using a new interferon-gamma release assay.** 33rd European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), ePoster flash session, Copenhagen, Denmark (2023).
10. Warnecke JM. **Indirect immunofluorescence testing of IgM against sandfly fever virus in patients with evidence of acute neurological disease.** Medical Biodefense Conference (MBDC), Munich, Germany (2023).

Published Patent Applications

1. Ahlborg F et al. **Method for filtering a sensor signal and device for controlling an actuator by filtering a sensor signal.** European, Brazilian, Chinese and US patent application EP4202372 (filed 2021), BR102022025056-1 (filed 2022), CN116318135A (filed 2022) and US2023/0202052A1 (filed 2022).
2. Dibbern J et al. **Verfahren zum Herstellen einer Mikrotiterplatte mit Fänger-molekülbeschichtungen und Mikrotiterplatte.** European patent application EP4239336 (filed 2022).
3. Farell D et al. **Verfahren zur Detektion eines Fehlerzustandes beim Aspirieren einer Flüssigkeit.** Brazilian patent application BR102022011223-1 (filed 2022).
4. Filippis C et al. **Method for the qualitative evaluation of real-time PCR data.** US patent application US2023/0022761 (filed 2020).
5. Gerlach S et al. **Verfahren und Vorrichtung zum Detektieren einer Präsenz eines Fluoreszenzmustertyps auf einem Organschnitt mittels Immunfluoreszenzmikroskopie.** Chinese and US patent application CN115775223A (filed 2022) and US2023/0071078A1 (2022).
6. Honorat JA et al. **Assessing and treating autoimmune ataxia.** US patent application US2023/0039907A1 (filed 2019).
7. Miske R et al. **Method and reagents for the detection of an autoantibody.** US patent application US2023/0053910A1 (filed 2022).
8. Pleibusch J et al. **Pumpenvorrichtung.** German patent application DE102022105995A1 (filed 2022).
9. Stahl RAK et al. **Novel biomarkers of membranous glomerulonephritis.** European, Chinese and US patent application EP4166946 (filed 2022), CN115980358A (filed 2022) and US2023/0133318-A1 (filed 2022).
10. Suer W et al. **Methods and reagents for detecting an antibody to a SES IPR-10 allergen.** European and Chinese patent application EP4134674 (filed 2022) and CN115925846A (filed 2022).
11. Theuser M et al. **A method and reagents for enhancing the chemiluminescent signal.** European and International patent application EP4146765 (filed 2022) and WO2023/006581 (filed 2022).
12. Zeng Z et al. **Method and means for detecting an autoantibody.** Taiwanese patent application TW202305362 (filed 2022).

2022

Publications

1. Arnold S et al. **POS0829 Spectrum of ANCA-specificities in eosinophilic granulomatosis with polyangiitis in a retrospective multicenter study.** Ann Rheum Dis 81:705-706 (2022).
2. Bieber K et al. **DNA chip-based diagnosis of onychomycosis and tinea pedis.** J Dtsch Dermatol Ges 20(8):1112-1122 (2022). DOI: 10.1111/ddg.14819.
3. Bieber K et al. **DNA-chip-based molecular testing for the diagnosis of tinea.** Acta Derm Venereol 102 Suppl 222:19-20 (2022).
4. Calcoen B et al. **Real-world monitoring of BNT162b2 vaccine-induced SARS-CoV-2 B and T cell immunity in naive healthcare workers: a prospective single center study.** medRxiv DOI: 10.1101/2022.01.17.22269081 (2022).
5. Calcoen B et al. **High incidence of SARS-CoV-2 variant of concern breakthrough infections despite residual humoral and cellular immunity induced by BNT162b2 vaccination in healthcare workers: A long-term follow-up study in Belgium.** Viruses 14(6):1257 (2022). DOI: 10.3390/v14061257.
6. Dolscheid-Pommerich R et al. **Correlation between a quantitative anti-SARS-CoV-2 IgG ELISA and neutralization activity.** J Med Virol 94(1):388-392 (2022). DOI: 10.1002/jmv.27287.
7. Egger M et al. **Performance of the Euroimmun Aspergillus antigen ELISA for the diagnosis of invasive pulmonary aspergillosis in bronchoalveolar lavage fluid.** J Clin Microbiol 60(4):e0021522 (2022). DOI: 10.1128/jcm.00215-22.
8. Filippis C et al. **Novel PCR test to differentiate between infections with SARS-CoV-2, Influenza A and B.** Int J Infect Dis 116(Supplement):S43-S44 (2022). DOI: 10.1016/j.ijid.2021.12.104.
9. Gimsa U et al. **Early-life maternal deprivation affects the mother-offspring relationship in domestic pigs, as well as the neuroendocrine development and coping behavior of piglets.** Front Behav Neurosci 16:980350 (2022). DOI: 10.3389/fnbeh.2022.980350.
10. Hammers CM et al. **Evidence of direct binding of complement components to the immunodominant NC16A domain of collagen XVII.** Exp Dermatol 31(2):e58-e59 (2022). DOI: 10.1111/exd.14511.
11. Hayashi JY et al. **Humoral and cellular responses to vaccination with homologous CoronaVac or ChAdOx1 and heterologous third dose with BNT162b2.** J Infect 84(6):834-872 (2022). DOI: 10.1016/j.jinf.2022.02.026.
12. Heckler I et al. **Serological biomarkers and their detection in autoimmune bullous skin diseases.** Dermatol Pract Concept 12(2):e2022116 (2022). DOI: 10.5826/dpc.1202a116.
13. Heckler I et al. **Phosphorylated neurofilament heavy chain: a potential diagnostic biomarker in amyotrophic lateral sclerosis.** J Neurophysiol 127(3):737-745 (2022). DOI: 10.1152/jn.00398.2021.
14. Henry BM et al. **False-positive rates in pediatric SARS-CoV-2 serology testing.** Am J Clin Pathol 157(2):314-316 (2022). DOI: 10.1093/ajcp/aqab118.
15. Hinson SR et al. **Septin-5 and -7-IgGs: Neurologic, serologic, and pathophysiologic characteristics.** Ann Neurol 92(6):1090-1101 (2022). DOI: 10.1002/ana.26482.
16. Hüppe A et al. **Psychosoziales Problemfeld-Assessment bei chronisch entzündlichen Darmerkrankungen – wer nutzt die online-Version unter www.CED-aktiv-werden.de? [Assessment of psychological problems in inflammatory bowel diseases – who uses the online version at www.CED-aktiv-werden.de?].** Gesundheitswesen 84(5):466-473 (2022). DOI: 10.1055/a-1378-8859.
17. Janz J et al. **Multiparameter lineblot immunoassay for autoimmune inflammatory myopathies: Addition of cN-1A for the detection of autoantibodies associated with**

Inclusion Body Myositis. *Ann Rheum Dis* 81:1193 (2022). DOI: 10.1136/annrheumdis-2022-eular.494.

18. Jarius S et al. **Inositol 1,4,5-trisphosphate receptor type 1 autoantibody (ITPR1-IgG/anti-Sj)-associated autoimmune cerebellar ataxia, encephalitis and peripheral neuropathy: review of the literature.** *J Neuroinflammation* 19(1):196 (2022). DOI: 10.1186/s12974-022-02545-4.
19. Jarius S et al. **Rho GTPase-activating protein 10 (ARHGAP10/GRAF2) is a novel autoantibody target in patients with autoimmune encephalitis.** *J Neurol* 269(10):5420-5430 (2022). DOI: 10.1007/s00415-022-11178-9.
20. Klötzsch C et al. **Anti-Homer-3 antibodies in cerebrospinal fluid and serum samples from a 58-year-old woman with subacute cerebellar degeneration and diffuse breast adenocarcinoma.** *Neurol Res Pract* 4(1):29 (2022). DOI: 10.1186/s42466-022-00194-9.
21. Krzemień P et al. **Relationship Between Anti-DFS70 Autoantibodies and Oxidative Stress.** *Biomark Insights* 17:11772719211066791 (2022). DOI: 10.1177/11772719211066791.
22. Krzemień P et al. **Analysis of the impact of sex and age on the variation in the prevalence of antinuclear autoantibodies in Polish population: a nationwide observational, cross-sectional study.** *Rheumatol Int* 42(2):261-271 (2022). DOI: 10.1007/s00296-021-05033-9.
23. Kühnl A et al. **Serodiagnosis of anti-glomerular basement membrane disease using a newly developed chemiluminescence immunoassay.** *Front Med (Lausanne)* 9:915754 (2022). DOI: 10.3389/fmed.2022.915754.
24. Lanz TV et al. **Clonally expanded B cells in multiple sclerosis bind EBV EBNA1 and GlialCAM.** *Nature* 603(7900):321-327 (2022). DOI: 10.1038/s41586-022-04432-7.
25. Mangia A et al. **Cellular and humoral immune responses and breakthrough infections after two doses of BNT162b vaccine in healthcare workers (HW) 180 days after the second vaccine dose.** *Front Public Health* 10:847384 (2022). DOI: 10.3389/fpubh.2022.847384.
26. Markewitz R et al. **Kinetics of the antibody response to boosting with three differential vaccines against SARS-CoV-2.** *Front Immunol* 13:811020 (2022). DOI: 10.3389/fimmu.2022.811020.
27. Markewitz R et al. **Differences in immunogenicity of three different homo- and heterologous vaccination regimens against SARS-CoV-2.** *Vaccines (Basel)* 10(5):649 (2022). DOI: 10.3390/vaccines10050649.
28. Markewitz R et al. **B-cell responses to vaccination with BNT162b2 and mRNA-1273 6 months after second dose.** *Clin Microbiol Infect* 28(7):1024.e1-1024.e6 (2022). DOI: 10.1016/j.cmi.2022.02.028.
29. Markewitz R et al. **The temporal course of T- and B-cell-responses to vaccination with BNT162b2 and mRNA-1273.** *Clin Microbiol Infect* 28(5):701-709 (2022). DOI: 10.1016/j.cmi.2021.09.006.
30. Marzahl C et al. **Inter-species cell detection - datasets on pulmonary hemosiderophages in equine, human and feline specimens.** *Sci Data* 9(1):269 (2022). DOI: 10.1038/s41597-022-01389-0.
31. McKeon-Makki I et al. **Adenylate kinase 5 (AK5) autoimmune encephalitis: Clinical presentations and outcomes in three new patients.** *J Neuroimmunol* 367:577861 (2022). DOI: 10.1016/j.jneuroim.2022.577861.
32. Menge B et al. **Sensitive detection of antibodies in patients with acute Coxiella burnetii infection.** *Int J Infect Dis* 116(Supplement):S94 (2022). DOI: 10.1016/j.ijid.2021.12.222.
33. Miłośz M et al. **Validation of the test for detecting SARS-CoV-2 antigens in the Polish population in patients with suspected SARS-CoV-2 infection.** *Cent Eur J Immunol* 47(1):58-62 (2022). DOI: 10.5114/ceji.2022.113992.

34. Olbrich M et al. **Biodiversity of mycobial communities in health and onychomycosis.** Sci Rep 12(1):8872 (2022). DOI: 10.1038/s41598-022-13074-8.
35. Otto C et al. **Frequent intrathecal production of antibodies to the viral capsid antigen of Epstein-Barr virus in patients with central nervous system post-transplant lymphoproliferative disorder.** J Neuroimmunol 369:577902 (2022). DOI: 10.1016/j.jneuroim.2022.577902.
36. Pache F et al. **Multiple sclerosis: Analyses of intrathecally produced antimicrobial antibodies suggest unique role of Epstein-Barr virus.** Eur J Neurol 29 Suppl 1:795-796 (2022).
37. Pigors M et al. **Antibodies to the BP180 C-terminus cause subepithelial autoimmune blistering disease through activation of the C5a/C5aR1 axis.** Exp Dermatol 31(2):e61-e62 (2022). DOI: 10.1111/exd.14511.
38. Ramcke T et al. **Anti-BP230 only bullous pemphigoid constitutes a distinct disease subgroup with characteristic serological and clinical features.** J Invest Dermatol 142(11):3110-3113.e8 (2022). DOI: 10.1016/j.jid.2022.05.1084.
39. Sabalza M et al. **COVID-19: testing landscape post-infection, -vaccination, and future perspectives.** Viral Immunol 35(1):5-14 (2022). DOI: 10.1089/vim.2021.0121.
40. Saschenbrecker S et al. **Commentary: Comparison of different assays for the detection of anticyclic citrullinated peptide antibodies in patients with rheumatoid arthritis.** Front Immunol 13:1050197 (2022). DOI: 10.3389/fimmu.2022.1050197.
41. Schäfer et al. **Novel ELISA based on purified and recombinant antigens from Toxocara canis exhibits a high diagnostic sensitivity.** Int J Infect Dis 116(Supplement):S95 (2022). DOI: 10.1016/j.ijid.2021.12.223.
42. Sperber PS et al. **Serum anti-NMDA-receptor antibodies and cognitive function after ischemic stroke (PROSCIS-B).** J Neurol 269(10):5521-5530 (2022). DOI: 10.1007/s00415-022-11203-x.
43. Steiner J et al. **Testing for thyroid peroxidase and antineuronal antibodies in depression and schizophrenia.** Methods Mol Biol 2343:203-213 (2022). DOI: 10.1007/978-1-0716-1558-4_13.

Abstracts & Posters

1. Alessio MG et al. **A new chemiluminescence immunoassay for the detection of faecal calprotectin.** 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).
2. Arit FA et al. **Anti-KCNA2 antibodies in neuropsychiatric diseases.** 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).
3. Bestmann Y et al. **Serodiagnosis of anti-glomerular basement membrane disease using a newly developed chemiluminescence immunoassay.** 14th Jahrestagung der Deutschen Gesellschaft für Nephrologie (DGfN), Berlin, Germany (2022).
4. Bestmann Y et al. **Relevance of anti-PLA2R levels in therapy decision and prediction of therapy outcome using cyclophosphamide and steroids treatment in patients with membranous nephropathy.** 14th Jahrestagung der Deutschen Gesellschaft für Nephrologie (DGfN), Berlin, Germany (2022).
5. Bieber K et al. **DNA-chip-based molecular testing for the diagnosis of tinea.** 35th Congress of Nordic Dermatology and Venereology, Copenhagen, Denmark (2022).
6. Cosgun Y et al. **Humoral immune response after immunization with inactivated whole-virion SARS-CoV-2 vaccine (CoronaVac) in Turkish adults.** 24th Annual Conference of the European Society for Clinical Virology (ESCV), Manchester, United Kingdom (2022).

7. Dieckmann K et al. **Novel interferon-gamma release assay for the quantitative determination of SARS-CoV-2-specific T-cell reactivity**. 32nd European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Lisbon, Portugal (2022).
8. Do LD et al. **Clinical, immune and histopathological characterisation of RGS8-related paraneoplastic cerebellar ataxis**. 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).
9. Filippis C et al. **Novel PCR test to differentiate between infections with SARS-CoV-2, Influenza A and B**. 24th Annual Conference of the European Society for Clinical Virology (ESCV), Manchester, United Kingdom (2022).
10. Frey C et al. **Alveolar echinococcosis in dogs: disease presentation, treatment options and serological diagnosis**. 15th International Congress of Parasitology (ICOPA), Copenhagen, Denmark (2022).
11. Gebhardt AK et al. **Comparison of enzyme-linked immunosorbent assays for the diagnosis of dengue virus infections**. Clinical Virology Symposium (CVS) of the American Society for Microbiology (ASM), West Palm Beach, USA (2022).
12. Grage-Griebenow E et al. **T-cell and antibody responses after SARS-CoV-2 infection and vaccination using a new interferon-gamma release assay**. 24th Annual Conference of the European Society for Clinical Virology (ESCV), Manchester, United Kingdom (2022).
13. Hammers CM et al. **Evidence of direct binding of complement components to the immunodominant NC16A domain of collagen XVII**. 48th Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung (ADF), Innsbruck, Vienna (2022).
14. Heckler I et al. **Serological diagnosis of Japanese encephalitis by detection of specific IgG and IgM antibodies in serum and CSF**. Clinical Virology Symposium (CVS) of the American Society for Microbiology (ASM), West Palm Beach, USA (2022).
15. Heckler I et al. **Novel interferon-gamma release assay for the quantitative determination of SARS-CoV-2-specific T-cell reactivity**. Clinical Virology Symposium (CVS) of the American Society for Microbiology (ASM), West Palm Beach, USA (2022).
16. Heckler I et al. **Determination of vaccine-induced binding and neutralizing antibodies against SARS-CoV-2 using standardized assays**. Clinical Virology Symposium (CVS) of the American Society for Microbiology (ASM), West Palm Beach, USA (2022).
17. Hohensee S et al. **Determination of vaccine-induced binding and neutralizing antibodies against SARS-CoV-2 using standardized assays**. 32nd European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Lisbon, Portugal (2022).
18. Hohensee S et al. **Determination of vaccine-induced binding and neutralizing antibodies against SARS-CoV-2 using standardized assays**. 24th Annual Conference of the European Society for Clinical Virology (ESCV), Manchester, United Kingdom (2022).
19. Janz J et al. **Multiparameter lineblot immunoassay for autoimmune inflammatory myopathies: Addition of cN-1A for the detection of autoantibodies associated with Inclusion Body Myositis**. EULAR European Congress of Rheumatology, Copenhagen, Denmark (2022).
20. Janz J et al. **Multiparameter lineblot immunoassay for autoimmune inflammatory myopathies: Addition of cN-1A for the detection of autoantibodies associated with Inclusion Body Myositis**. 4th Global Conference on Myositis (GCOM), Prague, Czech Republic (2022).
21. Mariotto S et al. **Sensitivity and specificity of a novel cell-based indirect immunofluorescence assay for detecting anti-MAG IgM in patients with peripheral neuropathy**. AACCC Annual Scientific Meeting and Clinical Lab Expo, Chicago, USA (2022).
22. Mariotto S et al. **Sensitivity and specificity of a novel cell-based indirect immunofluorescence assay for detecting anti-MAG IgM in patients with peripheral**

neuropathy. 35th Meeting of the Association of Medical Laboratory Immunologists (AMLI), Salt Lake City, USA (2022).

23. Mariotto S et al. **Sensitivity and specificity of a novel cell-based indirect immunofluorescence assay for detecting anti-MAG IgM in patients with peripheral neuropathy**. 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).
24. Markewitz R et al. **No evidence for short-term induction of antinuclear antibodies by vaccination with BNT162b2 and mRNA-1273**. 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).
25. Miske R et al. **Detection of anti-AK5 autoantibodies in patients with limbic encephalitis by indirect immunofluorescence assay and line blot**. AACC Annual Scientific Meeting and Clinical Lab Expo, Chicago, USA (2022).
26. Miske R et al. **Detection of anti-AK5 autoantibodies in patients with limbic encephalitis by indirect immunofluorescence assay and line blot**. 35th Meeting of the Association of Medical Laboratory Immunologists (AMLI), Salt Lake City, USA (2022).
27. Ott A et al. **Parallel detection of antibodies against CDR2L and CDR2 increases the diagnostic specificity in serological diagnostics of paraneoplastic cerebellar degeneration**. 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).
28. Pache F et al. **Multiple sclerosis: Analyses of intrathecally produced antimicrobial antibodies suggest unique role of Epstein-Barr virus**. 8th Congress of the European Academy of Neurology (EAN), Vienna, Austria (2022).
29. Pigors M et al. **Antibodies to the BP180 C-terminus cause subepithelial autoimmune blistering disease through activation of the C5a/C5aR1 axis**. 48th Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung (ADF), Innsbruck, Vienna (2022). *Exp Dermatol* 31(2):e61-e62 (2022). DOI: 10.1111/exd.14511.
30. Ramcke T et al. **Identification of bullous pemphigoid (BP) patients with sole IgG-reactivity against BP230 strongly indicates that autoantibodies against intracellular BP230 contribute to skin damage in BP**. 48th Annual Meeting of the Arbeitsgemeinschaft Dermatologische Forschung (ADF), Innsbruck, Vienna (2022). *Exp Dermatol* 31(2):e62 (2022). DOI: 10.1111/exd.14511.
31. Rangel I et al. **Humoral immune response in persons living with HIV after SARS-CoV-2 vaccination with homologous doses of CoronaVac, ChAdOx1 or BNT162b2**. 24th Annual Conference of the European Society for Clinical Virology (ESCV), Manchester, United Kingdom (2022).
32. Richter M et al. **Detection of autoantibodies against cN-1A using a multiparameter line blot for autoimmune inflammatory myopathies**. 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).
33. Sabalza M et al. **Development of a novel NS1-based ELISA for the detection of specific IgG antibodies against Japanese encephalitis virus**. Clinical Virology Symposium (CVS) of the American Society for Microbiology (ASM), West Palm Beach, USA (2022).
34. Sabalza M et al. **Added value of testing for specific serum IgA additionally to IgM in acute secondary dengue virus infections**. Clinical Virology Symposium (CVS) of the American Society for Microbiology (ASM), West Palm Beach, USA (2022).
35. Scharf M et al. **Strategy for the detection of anti-septin antibodies by indirect immunofluorescence assay**. 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).
36. Scharf M et al. **Strategy for the detection of anti-septin antibodies by indirect immunofluorescence assay**. AACC Annual Scientific Meeting and Clinical Lab Expo, Chicago, USA (2022).

37. Van Beers J et al. **Routine application of PR3- and MPO-ANCA chemiluminescence immunoassays demonstrates enhanced detection rates.** 20th International Vasculitis and ANCA Workshop, Dublin, Ireland (2022).
38. Van Beers J et al. **Routine application of PR3- and MPO-ANCA chemiluminescence immunoassays demonstrates enhanced detection rates.** 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).
39. Villalta D et al. **Novel chemiluminescence immunoassays for serological diagnostics of coeliac disease.** 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).
40. Vink C et al. **Relevance of anti-PLA2R levels in therapy decision and prediction of therapy outcome using cyclophosphamide and steroids treatment in patients with membranous nephropathy.** 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).
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42. Vink C et al. **Relevance of anti-PLA2R levels in therapy decision and prediction of therapy outcome using cyclophosphamide and steroids treatment in patients with membranous nephropathy.** 35th Meeting of the Association of Medical Laboratory Immunologists (AMLI), Salt Lake City, USA (2022).
43. Vink C et al. **Relevance of anti-PLA2R levels in therapy decision and prediction of therapy outcome using cyclophosphamide and steroids treatment in patients with membranous nephropathy.** American Society of Nephrology (ASN) Kidney Week, Orlando, USA (2022).
44. Wilhelm N et al. **New diagnostic markers for differentiation of acute and convalescent human cytomegalovirus infections.** Clinical Virology Symposium (CVS) of the American Society for Microbiology (ASM), West Palm Beach, USA (2022).
45. Zeng Z et al. **Identification of NVL as a novel ANA target in systemic sclerosis.** AACC Annual Scientific Meeting and Clinical Lab Expo, Chicago, USA (2022).
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47. Zeng Z et al. **Identification of NVL as a novel ANA target in systemic sclerosis.** 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).

Lectures

1. Bajorat S, Rosenstock P, Herbst V. **Einblick in den Lebenszyklus eines IVD: Stationen vor dem Inverkehrbringen eines In vitro-Diagnostikums.** Workshop at the 21st Jahrestagung der Arbeitsgemeinschaft Akkreditierter Laboratorien, Lübeck, Germany (2022).
2. Bestmann Y. **Relevance of anti-PLA2R levels in therapy decision and prediction of therapy outcome using cyclophosphamide and steroids treatment in patients with membranous nephropathy.** 14th Jahrestagung der Deutschen Gesellschaft für Nephrologie (DGfN), Berlin, Germany (2022).
3. Dieckmann K. **The development of innovative test systems at EUROIMMUN – from the idea to approval.** CORVOS Online Symposium on the Development and Application of Diagnostics and Antibiotics, virtual symposium (2022).
4. Dieckmann K. **T cells: Important pillar of immune protection against SARS-CoV-2.** INER Chemical Conferences in Mexico, Webinar (2022).

5. Komorowski L. **Fortschritte in der Diagnostik von Autoimmunerkrankungen durch Identifizierung neuer Autoantikörper und Entwicklung von zellbasierten Assays**. 9th Immunodiagnostic Meeting, Dresden, Germany (2022).
6. Lindae A. **Serologische Diagnostik autoimmuner Myositiden – viele Erscheinungsformen, eine Inkubation**. 9th Immunodiagnostic Meeting, Dresden, Germany (2022).
7. Miske R. **Anti-RGS8 Autoantikörper als diagnostische Marker für paraneoplastische Kleinhirntaxie**. 9th Immunodiagnostic Meeting, Dresden, Germany (2022).
8. Miske R. **Neuronal antigen identification and validation**. 3rd Scientific day of biomarkers in autoimmune encephalitis and paraneoplastic neurological syndromes (BETPSY), virtual meeting (2022).
9. Richter M. **Diagnostic tools in myositis**. Časomil Conference (Dynex), Modra, Slovakia (2022).
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2021

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2019

Publications

1. Al Kahlout RA, Nasrallah GK, Farag EA, Wang L, Lattwein E, Müller MA, El Zowalaty ME, Al Romaihi HE, Graham BS, Al Thani AA, Yassine HM. **Comparative serological study for the prevalence of anti-MERS coronavirus antibodies in high- and low-risk groups in Qatar.** J Immunol Res 2019:1386740 (2019).
2. Bartels F, Strönisch T, Farmer K, Rentzsch K, Kiecker F, Finke C. **Neuronal autoantibodies associated with cognitive impairment in melanoma patients.** Ann Oncol 30(5):823-829 (2019).
3. Borsche M, Hahn S, Hanssen H, Münchau A, Wandinger KP, Brüggemann N. **Sez612-antibody-associated progressive cerebellar ataxia: a differential diagnosis of atypical parkinsonism.** J Neurol. 266(2):522-524 (2019).
4. De Schaepdryver M, Goossens J, Jeromin A, Brix B, Van Damme P, Poesen K. **Analytical performance of a CE-marked immunoassay to quantify phosphorylated neurofilament heavy chains.** Clin Chem Lab Med 57(8):e199-e202 (2019).

5. De Schaepdryver M, Goossens J, de Meyer S, Jeromin A, Masrori P, Brix B, Claeys KG, Schaevebeke J, Adamczuk K, Vandergerghe R, van Damme P, Poesen K. **Serum neurofilament heavy chains as early marker of motor neuron degeneration.** *Ann Clin Transl Neurol* 6(10):1971-1979 (2019).
6. Efthymiou G, Dardiotis E, Liaskos C, Marou E, Scheper T, Meyer W, Daponte A, Daoussis D, Hadjigeorgiou G, Bogdanos DP, Sakkas LI. **A comprehensive analysis of antigen-specific antibody responses against human cytomegalovirus in patients with systemic sclerosis.** *Clin Immunol* 207:87-96 (2019).
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9. Ehlers AM, Rossnagel M, Brix B, Blankestijn MA, Le TM, Suer W, Otten HG, Knulst AC. **Sesame oleosins are minor allergens.** *Clin Transl Allergy* 9:32 (2019).
10. Emtenani S, Yuan H, Lin C, Pan M, Hundt JE, Schmidt E, Komorowski L, Stanley JR, Hammers CM. **Normal human skin is superior to monkey esophagus substrate for detection of circulating BP180-NC16A-specific immunoglobulin G antibodies in bullous pemphigoid.** *Br J Dermatol* 150(5):1099-1106 (2019).
11. Goletz S, Probst C, Komorowski L, Schlumberger W, Fechner K, van Beek N, Holtsche MM, Recke A, Yancey KB, Hashimoto T, Antonicelli F, Di Zenzo G, Zillikens D, Stöcker W, Schmidt E. **A sensitive and specific assay for the serological diagnosis of antilaminin 332 mucous membrane pemphigoid.** *Br J Dermatol* 180(1):149-156 (2019).
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14. Janelidze S, Stomrud E, Brix B, Hansson O. **Towards a unified protocol for handling of CSF before beta-amyloid measurements.** *Alzheimers Res Ther* 11(1):63 (2019).
15. Krauth J, Gerlach S, Marzahl C, Voigt J, Handels H. **Synthetic training with generative adversarial networks for segmentation of microscopies.** In: Handels H, Deserno T, Maier A, Maier-Hein K, Palm C, Tolxdorff T (Hrsg.) *Bildverarbeitung für die Medizin 2019*. Informatik Aktuell. Springer Vieweg, Wiesbaden, Germany, 37-42 (2019).
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19. Moraes Soane M, Freitas Henriques D, Abreu Lima J, Caricio Martins L, Muigg N, Klemens O, Saschenbrecker S, Schlumberger W, Steinhagen K. **Evaluation of a novel IgM screening enzyme-linked immunosorbent assay for sensitive detection of Mayaro virus-infected patients.** *Microbiol Infect Dis* 3(2):1-4 (2019).

20. Moraes Soane M, Freitas Henriques D, Abreu Lima J, Caricio Martins L, Wilhelm N, Fraune J, Klemens O, Steinhagen K. **Novel screening ELISA for sensitive detection of Mayaro virus infected patients.** *Int J Infect Dis* 79(S1):148 (2019).
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manifestation of epitope spreading. JAMA Dermatol 155(5):631-633 (2019).

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40. Dähnrich C, Saschenbrecker S, Gunnarsson I, Schlumberger W, Ronco P, Debiec H. **Development of a Standardized Chemiluminescence Immunoassay for the Detection of Autoantibodies Against Human M-Type Phospholipase A2 Receptor in Primary Membranous Nephropathy.** Kidney International Reports. 5(2):182-188 (2019).
41. Tappe D, Frank C, Offergeld R, Wagner-Wiening C, Stark K, Rubbenstroth D, Giese S, Lattwein E, Schwemmler M, Beer M, Schmidt-Chanasit J, Wilking H. **Low prevalence of Borna disease virus 1 (BoDV-1) IgG antibodies in humans from areas endemic for animal Borna disease in Southern Germany.** Sci Rep. 9(1):20154 (2019).

Abstracts & Posters

1. Bieber K, Harder M, Staender S, Fischer A, Koehler B, Anamueller W, Zillikens D, Ludwig R. **Fast and reliable diagnostics for skin infections.** 46. Jahrestagung der Arbeitsgemeinschaft Dermatologische Forschung, München, Germany (2019).
2. Brock J, Herbst V, Block M, Stöcker W. **Die Konzentration des Serum-Uromodulin als Indikator der globalen Nierenfunktion.** Weltnerentag, Greifswald, Germany (2019).
3. Franke AC, Lindhorst F, Sendscheid O, Steinhagen K. **Dried Blood Spots are well-suited specimens for detection of anti-Trypanosoma cruzi antibodies.** Annual Meeting of the Association of Public Health Laboratories, St. Louis, USA (2019).
4. Franke AC, Lindhorst F, Sendscheid O, Steinhagen K. **Dried Blood Spots are well-suited specimens for detection of anti-Trypanosoma cruzi antibodies.** 71. Annual Scientific Meeting of the American Association for Clinical Chemistry & Clinical Lab Expo, Anaheim, USA (2019).
5. Gebhardt AK, Klemens O, Sendscheid O, Stiba K, Saschenbrecker S, Steinhagen K. **Comparison of enzyme-linked immunosorbent assays for the diagnosis of dengue virus infections.** 35. Clinical Virology Symposium of the American Society for Microbiology, Savannah, USA (2019).
6. Gebhardt AK, Klemens O, Stiba K, Saschenbrecker S, Steinhagen K. **Comparison of enzyme-linked immunosorbent assays for the diagnosis of dengue virus infections.** 29. European Congress of Clinical Microbiology and Infectious Diseases, Amsterdam, Netherlands

(2019).

7. Gebhardt AK, Klemens O, Sendscheid O, Stiba K, Saschenbrecker S, Steinhagen K. **Comparison of enzyme-linked immunosorbent assays for the diagnosis of dengue virus infections**. 71. Annual Scientific Meeting of the American Association for Clinical Chemistry & Clinical Lab Expo, Anaheim, USA (2019).
8. Gerlach S, Danckwardt M, Marzahl C, Lederer S, Sendscheid O, Mielke J, Fechner K, Stoecker W, Voigt J. **Deep artificial neural networks for pattern recognition in indirect immunofluorescence microscopy** 71. Annual Scientific Meeting of the American Association for Clinical Chemistry & Clinical Lab Expo, Anaheim, USA (2019).
9. Gerlach S, Danckwardt M, Marzahl C, Lederer S, Sendscheid O, Mielke J, Fechner K, Stoecker W, Voigt J. **Deep artificial neural networks for pattern recognition in indirect immunofluorescence microscopy**. 32. Annual Scientific Meeting of the Association of Medical Laboratory Immunologists, Cleveland, USA (2019).
10. Hoxha E, Stahl RAK, Brix SR, Witte T, Seebeck F, Schlumberger W, Daehnrich C. **Increased sensitivity for PR3-ANCA using a novel chemiluminescence immunoassay**. 19. International Vasculitis and ANCA Workshop, Philadelphia, USA (2019).
11. Honorat JA, Lopez-Chiriboga S, Kryzer TJ, Lennon VA, Komorowski L, Scharf M, Stöcker W, Hinson SR, Pittcock SJ, Klein CJ, McKeon A. **Autoimmune gait disturbance accompanying adaptor protein-3B2-IgG**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).
12. Hoxha E, Stahl RAK, Brix SR, Witte T, Seebeck F, Schlumberger W, Daehnrich C. **Increased sensitivity for PR3-ANCA using a novel chemiluminescence immunoassay**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).
13. Hoxha E, Stahl RAK, Brix SR, Witte T, Seebeck F, Sendscheid O, Schlumberger W, Daehnrich C. **Increased sensitivity for PR3-ANCA using a novel chemiluminescence immunoassay**. 71. Annual Scientific Meeting of the American Association for Clinical Chemistry & Clinical Lab Expo, Anaheim, USA (2019).
14. Hoxha E, Stahl RAK, Brix SR, Witte T, Seebeck F, Sendscheid O, Schlumberger W, Daehnrich C. **Increased sensitivity for PR3-ANCA using a novel chemiluminescence immunoassay**. 32. Annual Scientific Meeting of the Association of Medical Laboratory Immunologists, Cleveland, USA (2019).
15. Janz J, Ott A, Scheper T, Schlumberger W, Meyer W. **Multiparameter assay for the detection of IgA antibodies in autoimmune gastrointestinal diseases**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).
16. Janz J, Ott A, Scheper T, Schlumberger W, Meyer W. **Multiparameter assay for the detection of IgG antibodies in autoimmune gastrointestinal diseases**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).
17. Janz J, Ott A, Scheper T, Schlumberger W, Meyer W. **Multiparameter lineblot for autoimmune inflammatory myopathies: Addition of cN-1A for the detection of autoantibodies associated with Inclusion Body Myositis**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).
18. Klemens O, Boethfuer J, Wong SJ, Klemens JM, Binnenkade L, Sendscheid O, Steinhagen K. **Development of Anti-Powassan ELISA for the detection of specific antibodies based on different antigenic substrates**. Annual Meeting of the Association of Public Health Laboratories, St. Louis, USA (2019).
19. Kühnl A, Dähnrich C, Saschenbrecker S, Gunnarsson I, Ronco P, Debiec H, Schlumberger W. **A newly developed chemiluminescence immunoassay improves the detection of anti-PLA2R autoantibodies in primary membranous nephropathy**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).
20. Kühnl A, Saschenbrecker S, Komorowski L, Probst C, Pesce G, Schlumberger W, Dähnrich. **Novel ELISA to aid the diagnosis of autoimmune gastritis**. 14. Dresden Symposium on

Autoantibodies, Dresden, Germany (2019).

21. Lattwein E, Janku M, Bohm K, Lederer S, Fechner K. **Investigation of serological cross-reactivity within the alphavirus genus using IFA BIOCHIP mosaics**. 29. European Congress of Clinical Microbiology and Infectious Diseases, Amsterdam, Netherlands (2019).
22. Mende M, Meyer W, Scheper T. **Laboratory diagnostics of autoantibodies in autoimmune myopathies**. 3. Global Conference on Myositis, Berlin, Germany (2019).
23. Miske R, Scharf M, Borchers C, Denno Y, Teegen B, Rochow N, Probst C, Stöcker W, Kermer P, Komorowski L. **Identification of RGS8 as an autoantibody target in paraneoplastic cerebellar syndrome**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).
24. Miske R, Scharf M, Hahn S, Denno Y, Benkhadra F, Rochow N, Probst C, Teegen B, Stöcker W, Komorowski L. **Identification of DAGLA as an autoantibody target in cerebellar or hippocampal degeneration**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).
25. Moraes Soane M, Freitas Henriques D, Abreu Lima J, Caricio Martins L, Muigg N, Klemens O, Steinhagen K. **Novel screening ELISA for sensitive detection of Mayaro virus-infected patients**. 29. European Congress of Clinical Microbiology and Infectious Diseases, Amsterdam, Netherlands (2019).
26. Moraes Soane M, Freitas Henriques D, Abreu Lima J, Caricio Martins L, Muigg N, Klemens O, Stiba K, Steinhagen K. **Novel screening ELISA for sensitive detection of Mayaro virus-infected patients**. 7. Meeting of the European Society for Virology, European Congress of Virology, Rotterdam, Netherlands (2019).
27. Moraes Soane M, Freitas Henriques D, Abreu Lima J, Caricio Martins L, Muigg N, Sendscheid O, Klemens O, Steinhagen K. **Novel screening ELISA for sensitive detection of Mayaro virus-infected patients**. 35. Clinical Virology Symposium of the American Society for Microbiology, Savannah, USA (2019).
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29. Pfautsch S, Warnecke JM, Menge B, Klemens O, Klemens JM, Steinhagen K. **Sensitive and specific ELISA for the diagnosis of Strongyloides infections**. 6. International Congress on Tropical Medicine and Infectious Diseases, Barcelona, Spain (2019).
30. Pfautsch S, Warnecke JM, Menge B, Klemens O, Klemens JM, Saschenbrecker S, Steinhagen K. **Sensitive and specific ELISA for the diagnosis of Strongyloides infections**. 29. European Congress of Clinical Microbiology and Infectious Diseases, Amsterdam, Netherlands (2019).
31. Sendscheid O, Meyer W, Scheper T. **Laboratory diagnostics of autoantibodies in autoimmune myopathies**. 71. Annual Scientific Meeting of the American Association for Clinical Chemistry & Clinical Lab Expo, Anaheim, USA (2019).
32. Shelly S, Kryzer TJ, Lennon VA, Komorowski L, Miske R, Stöcker W, Anderson MD, Hinson SR, Pittock SJ, McKeon A. **Neurochondrin neurological autoimmunity**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).
33. Steinhagen K, Muigg N, Warnecke JM, Sendscheid O, Schlumberger W. **Testing anti-Zika virus NS1 IgA additionally to IgM increases sensitivity in acutely infected patients from region endemic for flaviviruses**. 35. Clinical Virology Symposium of the American Society for Microbiology, Savannah, USA (2019).
34. Steinhagen K, Muigg N, Warnecke JM, Sendscheid O, Schlumberger W. **Testing anti-Zika virus NS1 IgA additionally to IgM increases sensitivity in acutely infected patients from region endemic for flaviviruses**. Annual Meeting of the Association of Public Health Laboratories, St. Louis, USA (2019).

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37. Stiba K, Borchardt-Lohölter V, Moreira-Soto A, Sener AG, Kaya S, Gómez-Guzmán E, Figueroa-Hernández L, Ziolkowska K, Zakaszewska K, Buska K, Janz J, Ott A, Warnecke JM, Scheper T, Meyer W. **Seroprevalence of ten ToRCH infectious pathogens in women residing in Europe and Latin America**. 22. Annual Meeting of the European Society for Clinical Virology, Copenhagen, Denmark (2019).
38. Teegen B, Meyer W, Sendscheid O, Kramp SL, Fraune J, Scheper T, Schlumberger W, Stöcker W, Rentzsch K. **Co-occurrence of autoantibodies to DFS70 and autoantibodies associated with rheumatic diseases**. 71. Annual Scientific Meeting of the American Association for Clinical Chemistry & Clinical Lab Expo, Anaheim, USA (2019).
39. Muigg N, Klemens JM, Stiba K, Steinhagen K, Schlumberger W. **New diagnostic markers for differentiation of acute and convalescent human cytomegalovirus infections**. 7. Meeting of the European Society for Virology, European Congress of Virology, Rotterdam, Netherlands (2019).
40. Zeng Z, Miske R, Scharf M, Denno Y, Probst C, Stöcker W, Komorowski L. **Identification of nine unknown nuclear antigens as autoantibody targets in systemic autoimmune diseases**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).
41. Zeng Z, Miske R, Scharf M, Denno Y, Sendscheid O, Probst C, Stoecker W, Komorowski L. **UFO-ANA: Cryptic antinuclear autoantibody target antigens revealed**. 32. Annual Scientific Meeting of the Association of Medical Laboratory Immunologists, Cleveland, USA (2019).

Lectures

1. Arendt P. **Fecal calprotectin for diagnosis and management of IBD**. MedLab Congress, Dubai, United Arab Emirates (2019).
2. Arendt P. **ATN biomarkers in body fluids - A paradigm shift in the definition of Alzheimer's**. 13th International Congress of the Asian Society Against Dementia and 6th Singapore International Neuro-Cognitive Symposium, Singapore (2019).
3. Brock J. **Determination of autoantibodies in diabetes mellitus type 1**. MedLab Congress, Dubai, United Arab Emirates (2019).
4. Brock J. **Mit Erkrankungen der Niere assoziierte Autoantikörper**. Weltnierentag, Greifswald, Germany (2019).
5. Cavalari M. **PCR-based multiplex detection of most important dermatophytes**. A 3-a Conferință a Asociației de Imuno-Dermatologie, Bukarest, Rumänien (2019).
6. El Youssoufi Z. **Update on allergy diagnostics: The importance of defined partial allergen diagnostics (DPA-Dx)**. Immunology Department, Military Hospital, Algiers, Algeria (2019).
7. Ens K. **Recognition of ANA patterns**. The Korean Society for Laboratory Medicine (KSLM) 2019 Spring Symposium, Daegu, Korea (2019).
8. Fechner K. **Microscopy workshop on emerging viruses & microscopy workshop on ANA diagnostic (ICAP)**, Fortbildung der Medizinischen Universität Innsbruck „Neue Trends in der medizinischen Diagnostik“Wien, Austria (2019).
9. Fechner K. **ANCA diagnostics – An update**. 14. Dresden Symposium on Autoantibodies,

Dresden, Germany (2019).

10. Gospos A. **Diagnostics in autoimmune kidney diseases**. 13. Conference of the Autoantibody Network, Meadowvale, ON, Canada (2019).
11. Gospos A. **The increasing test list for neuronal autoantibodies**. 13. Conference of the Autoantibody Network, Meadowvale, ON, Canada (2019).
12. Grypiotis P. **PR3 and PLA2R using the chemiluminescence technique**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).
13. Harder M. **Sichere Identifizierung von Pilzspezies mit neuem DNA-Microarray Test in der Praxis**. DERM Fachtagung, Frankenthal, Germany (2019).
14. Harder M. **Molekulare mykologische Diagnostik in der dermatologischen Praxis**. Interaktiver Mittwochs-Workshop (Praxis Prof. Helmbold), Heidelberg, Germany (2019).
15. Jäger D. **Development of autoantibody test systems against neural proteins**. 13. Göttingen Meeting of the German Neuroscience Society, Göttingen, Germany (2019).
16. Jäger D. **Cell-based assays (CBA): Modern technology for diagnostic services**. Spring School of Immunology, Kolberg, Poland (2019).
17. Jäger D. **Autoimmune neurological disorders – Biomarkers and diagnostic tools**. 6. International Conference “Advances in Clinical Neuroimmunology”, Poznan, Poland (2019).
18. Krauth J, Gerlach S, Marzahl C, Voigt J, Handels H. **Improving semantic segmentation with synthetic image pairs of GANs**. Workshop “Bildverarbeitung für die Medizin”, Lübeck, Germany (2019).
19. Langenstroth-Röwer D. **Reliable high multiplex testing for sexually transmitted pathogens**. MedLab Congress, Dubai, United Arab Emirates (2019).
20. Langenstroth-Röwer D. **New cutting-edge diagnostics for detection and identification of fungi infecting skin, hair or nails**. MedLab Congress, Dubai, United Arab Emirates (2019).
21. Mende M. **Optimized diagnostic strategies for ANA diagnostics – ICAP and beyond**. Panhellenic Multidiscipline Congress of Autoimmune Diseases, Rheumatology and Clinical Immunology, Pelion, Griechenland (2019).
22. Mende M. **Myositis – Comprehensive multiplex analysis and innovative markers**. Panhellenic Multidiscipline Congress of Autoimmune Diseases, Rheumatology and Clinical Immunology, Pelion, Griechenland (2019).
23. Mende M. **Autoimmune neurological disorders – Biomarkers and diagnostic tools**. Panhellenic Multidiscipline Congress of Autoimmune Diseases, Rheumatology and Clinical Immunology, Pelion, Griechenland (2019).
24. Mende M. **Fallstricke in der serologischen Diagnostik von SLE**. Seminar am Stuttgarter Klinikum, Stuttgart, Germany (2019).
25. Miske R. **Autoimmune neurology – From antigen discovery to product development**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).
26. Steinhagen K. **Novel screening ELISA for sensitive detection of Mayaro virus-infected patients**. 29. European Congress of Clinical Microbiology and Infectious Diseases, Amsterdam, Netherlands (2019).
27. Ommen G. **Uromodulin – A useful biomarker for renal tubular function**. IX Congresso Nacional de Patologia Clinica, Lissabon, Portugal (2019).
28. Rosenstock P. **Quality control in laboratory medicine – Challenges in internal and external QC**. Seminář Infekční Serologie Erudovaných Laboratoří, Tabor, Czech Republic (2019).
29. Rosenstock P. **Chlamydia serology – Challenges and solutions**. Seminář Infekční Serologie Erudovaných Laboratoří, Tabor, Czech Republic (2019).

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44. Teegen B, Meyer W, Kramp SL, Fraune J, Sendscheid O, Scheper T, Schlumberger W, Stoecker W, Rentzsch K. **Co-occurrence of autoantibodies against DFS70 and autoantibodies associated with rheumatic diseases.** 31. Annual Meeting of the Association of Medical Laboratory Immunologists, Scottsdale, USA (2018).
45. Venkataraman I, Herbst V, Brix B, Stoops E, Vanderstichele H. **Evaluation of certified reference materials for beta-amyloid 1-42 using Euroimmun ELISA and ChLIA.** Alzheimer's Association International Conference, Chicago, USA (2018).
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49. Zeng Z, Miske R, Scharf M, Denno Y, Sendscheid O, Probst C, Stoecker W, Komorowski L. **UFO-ANA: Cryptic antinuclear autoantibody target antigens revealed.** 70. Annual Scientific Meeting of the American Association for Clinical Chemistry and Clinical Lab Expo, Chicago, USA (2018).

Lectures

1. Arendt P. **New developments in beta-amyloid CSF measurements.** 1. Congrès des 7 CoEN, Montpellier, France (2018).
2. Cavalari M. **Career paths outside academia.** 2. International RTG 1743 Symposium, Kiel, Germany (2018).
3. Cavalari M. **Academia or Industry – Pros & Cons.** 2. International RTG 1743 Symposium, Kiel, Germany (2018).
4. Fechner K. **Microscopy workshop on emerging viruses & microscopy workshop on neuronal autoantibodies.** Fortbildung der Medizinischen Universität Innsbruck "Trends in der medizinischen Diagnostik", Wien, Austria (2018).
5. Fechner K. **Aktuelle Empfehlungen für die ANA-Diagnostik – ICAP and beyond.** EUROIMMUN Seminar, München, Germany (2018).

6. Fechner K. **Automation in ANA diagnostics**. Hausen Bernstein Seminar, Bangkok, Thailand (2018).
7. Fechner K. **Developments in ANCA diagnostics**. Hausen Bernstein Seminar, Bangkok, Thailand (2018).
8. Fechner K. **Assay automation and EUROLabOffice software**. Hausen Bernstein Seminar, Bangkok, Thailand (2018).
9. Fechner K. **Autoimmune Neurological Disorders**. Canberra Hospital Lunchtime Seminar, Canberra, Australia (2018).
10. Fechner K. **Serological detection of different autoimmune diseases using transfected cells**. ELS Biosciences/EUROIMMUN User Group Workshop at ISNI, Brisbane, Australia (2018).
11. Fechner K. **How an UFO becomes identified – Development of new diagnostic parameters in autoimmune neurological disorders**. 14. International Congress of Neuroimmunology (ISNI), Brisbane, Australia (2018).
12. Gospos A. **Autoantibody testing for autoimmune liver & gastroenterologic diseases**. 12. Conference of the Autoantibody Network, Niagara Falls, ON, Canada (2018).
13. Gospos A. **New advances in autoantibody testing**. 12. Conference of the Autoantibody Network, Niagara Falls, ON, Canada (2018).
14. Gospos A. **Updates on anti-neuronal antibodies**. 12. Conference of the Autoantibody Network, Niagara Falls, ON, Canada (2018).
15. Jäger D. **Autoimmune neurological disorders – Biomarkers and diagnostic tools**. 7. ANL Congresso Cientifico, Porto, Portugal (2018)
16. Kayser K, Görtler J, Rottmann N. **Cognitive algorithms for tissue-based diagnosis**. 14. European Congress on Digital Pathology, Helsinki, Finland (2018).
17. Lattwein E. **Serological arbovirus diagnostics – Dealing with cross-reactivities**. 2. International Conference on Zika Virus and Aedes related infections. Tallin, Estonia (2018).
18. Lattwein E, Janku M, Bohm K, Lederer S, Fechner K. **Investigation of serological cross-reactivity within the alphavirus genus using IFA biochip mosaics**. 7. International Meeting on Emerging Diseases and Surveillance, Wien, Austria (2018).
19. Mende M. **Optimized diagnostic strategies for ANA diagnostics – ICAP and beyond**. ICAP-Symposium “Maximale antigen target detectie bij auto-immuun-screening”, Utrecht, Netherlands (2018).
20. Pollmann M. **Infektionen mit dem Hepatitis-E-Virus (HEV)**. 10. Mikrobiologie-Tag des DTVA, Dortmund, Germany (2018).
21. Pollmann M. **Novel markers for the serological diagnosis of CMV infections**. 28. European Congress of Clinical Microbiology and Infectious Diseases, Madrid, Spain (2018).
22. Pollmann M. **Die serologische Diagnostik der Lyme-Borreliose**. Fortbildungsveranstaltung für medizinisches Fachpersonal, Städtisches Klinikum Görlitz, Germany (2018).
23. Schlumberger W. **Novel biomarkers in autoimmune kidney diseases**. MedLab Congress, Dubai, United Arab Emirates (2018).
24. Schlumberger W. **Autoimmune markers in neuronal disorders**. MedLab Congress, Dubai, United Arab Emirates (2018).
25. Schlumberger W. **Biomarkers in autoimmune neuronal disorders and in neurodegenerative diseases**. 21. Časomil, Karolinka, Czech Republic (2018).
26. Schlumberger W. **Automation progress over the last years**. 21. Časomil, Karolinka, Czech Republic (2018).
27. Schlumberger W. **CSF biomarkers in Alzheimer’s disease**. EUROIMMUN Seminar, Sao

- Paulo, Brazil (2018).
28. Schlumberger W. **Autoimmune markers in neuronal disorders**. EUROIMMUN Seminar, Sao Paulo, Brazil (2018).
 29. Sendscheid O. **Development of Anti-Powassan ELISA for the detection of specific antibodies based on different antigenic substrates**. 15. International Conference on Lyme Borreliosis and other Tick-Borne Diseases, Atlanta, USA (2018).
 30. Stiba K. **Testing anti-Zika virus NS1 IgA additionally to IgM increases sensitivity in acutely infected patients from regions endemic for flaviviruses**. 2. International Conference on Zika Virus and Aedes related infections, Tallin, Estonia (2018).
 31. Stiba K. **1. Advances in parasites diagnostics, 2. Revisiting Mumps, Measles, Rubella and VZV (MMRV) diagnostics, 3. Addressing the beneficial of Zika IgA in ZDC (Arbovirus) infections and cross reactivity**. Workshop Infektionsdiagnostik, Bangkok, Thailand (2018).
 32. Stöcker W, Rentzsch K. **In der Praxis: Prävalenz 50 verschiedener Anti-neuraler Autoantikörper**. Neurologiesymposium Autoimmunität und Nervensystem Charité, Berlin, Germany (2018).

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2. Harder M, Gräser Y, Kupsch C, Cavalari M. **Assay for the diagnosis of dermatophytosis**. European patent application EP3382032 (filed 2017).
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4. Kaffka C. **Incubation tray**. Chinese, Japanese, Brazilian, Hong Kong and US patent application CN107530704A (filed 2015), JP2018-513787 (filed 2015), BR112017019915-7 (filed 2015), 1242649A (filed 2018) and US-2018-0078941 (filed 2015).
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6. Komorowski L, Scharf M, Miske R, Denno Y, Probst C, Dettmann IM, Teegen B, Stöcker W, Melzer N, Wiendl H, Meuth S. **Diagnosis of a novel autoimmune disease**. US patent application US2018/0298072 (filed 2018).
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10. Probst C, Dähnrich C, Komorowski L. **A method for the production of a polypeptide**. European patent application EP3293520 (filed 2016).
11. Scheper T, Meyer W. **Diagnostic immunodetection of autoantibodies to gangliosides**. European patent application EP3318877 (filed 2015).
12. Stöcker W, Komorowski L, Miske R, Denno Y, Scharf M, Probst C. **Diagnosis of a neuroautoimmune disease**. European (1), European (2), Chinese and US patent application EP3392656 (filed 2017), EP3392657 (filed 2018), CN108728526A (filed 2018) and US-2018-0306787 (filed 2018).

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14. Sumpf TJ, Pannhoff H, Müller M, Morrin M, Hagen-Eggert M. **Verfahren und Mikroskopiesystem zum Aufnehmen eines Bildes**. European patent application EP3418789 (filed 2017).

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Abstracts & Posters

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14. Hahn M, Krause C, Lattwein E, Janku M, Ens K, Warnecke J, Fraune J, Fechner K, Stöcker W. **Automated immunofluorescence microscopy in differential diagnostics of Zika, Dengue and Chikungunya virus infections.** Institut Pasteur International Network Scientific Symposium, Paris, France (2016).
15. Hamann P, Hornig N, Kramp SL, Dährnich C, Schlumberger W, McHugh N. **Side-by-side method comparison of a conventional and a nucleosome linker-based anti-dsDNA ELISA.** 10. International Congress on Autoimmunity, Leipzig, Germany (2016).
16. Herbst V, Block M, Kramp SL, Schlumberger W, Stöcker W, Scherberich J. **Serum uromodulin levels in serologically characterized patients with autoantibodies against dsDNA, PLA2R and GBM.** 10. International Congress on Autoimmunity, Leipzig, Germany (2016).
17. Herbst V, Block M, Schlumberger W, Stöcker W, Riemekasten G, Enghard P, Scherberich J. **Serum uromodulin in SLE patients with and without kidney involvement.** 10. International Congress on Autoimmunity, Leipzig, Germany (2016).
18. Herbst V, Zeplin K, Mauroo K, Demeyer L, Vanderstichele H, Stoops E. **Performance testing and analytical validation of new ELISAs for β -amyloid isoforms ($A\beta(1-38)$, $A\beta(1-40)$, $A\beta(1-42)$) in plasma.** Alzheimer's Association International Conference, Toronto, Canada (2016).
19. Kaden J, Herbst V, Block M, Abendroth D, Schlumberger W. **Dynamics and diagnostic relevance of serum uromodulin levels in kidney graft recipients.** DTG Conference, Essen, Germany (2016).
20. Klemens O, Oesterreich B, Streit A, Warnecke JM, Steinhagen K. **Comparison of antigens from *Strongyloides papillosus* versus *ratti* for diagnosis of human strongyloidiasis by ELISA.** 2. International Conference on Parasitology, Manchester, UK (2016).
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23. Mende M, Cho E, Shen G, Karayev D, Metzger A, Morris RI, Kramp SL, Daehnrich C, Schlumberger W. **Presence of anti-cN-1A (Mup44, NT5c1A) IgG is specific for sporadic inclusion body myositis.** 13. International Workshop on Autoantibodies and Autoimmunity, Kyoto, Japan (2016).
24. Mende M, Daehnrich C, Beek van N, Johannsen N, Goletz S, Dworschak J, Schlumberger W, Zillikens D, Schmidt E. **A multivariant profile ELISA for one-step diagnostics of autoimmune bullous dermatoses.** 13. International Workshop on Autoantibodies and Autoimmunity, Kyoto, Japan (2016).
25. Meyer W, Scheper T, Komorowski L, Ott A, Meinck HM, Schlumberger W, Stöcker W. **Determination of autoantibodies to human GAD65 in stiff-person syndrome, verification using GAD65-expressing HEK293 cells.** 10. International Congress on Autoimmunity, Leipzig, Germany (2016).
26. Miske R, Scharf M, Hahn S, Kade S, Denno Y, Begemann N, Teegen B, Mindorf S, Dettmann I, Probst C, Radzimski C, Brakopp S, Stöcker W, Komorowski L. **Identification of new**

- autoantigens by histo-immunoprecipitation, mass spectrometry and recombinant cell-based indirect immunofluorescence.** 10. International Congress on Autoimmunity, Leipzig, Germany (2016).
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 28. Oesterreich B, Steinhagen K, Warnecke JM, Gottstein B. **Simultaneous screening of serum anti-Echinococcus granulosus and E. multilocularis antibodies by ELISA.** 26. European Congress of Clinical Microbiology and Infectious Diseases, Amsterdam, Netherlands (2016).
 29. Poesen K, Dedeene L, Gille B, Stoops E, Demeyer L, Herbst V, Vanderstichele H. **Improvement of reproducibility for CSF biomarker analysis by integration of automation in the test procedure.** Alzheimer's Association International Conference, Toronto, Canada (2016).
 30. Rentzsch K, Warnemünde N, Fraune J, Ockenga W, Stoecker W, Fechner K. **Paraneoplastic pemphigus-specific autoantibodies cause various staining patterns on IIF substrates.** Pathogenesis of Pemphigus and Pemphigoid 2016 München, Germany (2016).
 31. Scheper T, Meyer W, Rentzsch K, Kramp SL, Fraune J, Schlumberger W, Stöcker W, Teegen B. **Autoantibodies to centromeres, Scl-70, SS-A and Ro-52 in patient samples positive for primary biliary cirrhosis-associated autoantibodies: a prospective study in a pathology laboratory.** 10. International Congress on Autoimmunity, Leipzig, Germany (2016).
 32. Schönfeld L, Scheper T, Warnecke JM, Gottstein B. **A newly developed membrane-based assay for the simultaneous screening and differentiation of Echinococcosis.** 26. European Congress of Clinical Microbiology and Infectious Diseases, Amsterdam, Netherlands (2016).
 33. Steinhagen K, Probst C, Radzimski C, Schmidt-Chanasit J, Emmerich P, Lattwein E, Komorowski L, Deerberg A, Saschenbrecker S, Stöcker W, Schlumberger W. **Serodiagnosis of acute and past Zika virus infections without cross-reactivity to other flaviviruses by NS1-based ELISA.** 26. European Congress of Clinical Microbiology and Infectious Diseases, Amsterdam, Netherlands (2016).
 34. Steinhagen K, Schmidt-Chanasit J, Emmerich P, Lattwein E, Fraune J, Schlumberger W, Warnecke J. **Anti-Zika virus IgA as putative indicator of acute infection in anti-Zika IgM-negative patients.** 6. International Meeting on Emerging Diseases and Surveillance, Wien, Austria (2016).
 35. Steubl D, Block M, Herbst V, Nockher WA, Schlumberger W, Angermann S, Heemann U, Renders L, Scherberich J. **Serum uromodulin predicts graft failure in renal transplant recipients.** 53. ERA EDTA Congress, Wien, Österreich (2016).
 36. Struyfs H, Vanmechelen E, Roeck de EE, Franssen E, Niemantsverdriet E, Somers C, Goossens J, Vos de A, Herbst V, Bossche van den T, Mossevelde van S, Goeman J, Deyn de PP, Bjerke M. **CSF biomarkers to predict rate of cognitive decline in Alzheimer's disease.** Alzheimer's Association International Conference, Toronto, Canada (2016).
 37. Teegen B, Jahnke A, Fraune J, Fechner K, Rentzsch K, Richter T, Stöcker W. **Determination of tissue bound antibodies by co-incubating frozen sections of biopsies with defined antigen substrates in different autoimmune diseases.** 46. Annual Meeting German Society for Immunology (DGfI), Hamburg, Germany (2016).
 38. Teegen B, Meyer W, Kramp SL, Fraune J, Scheper T, Schlumberger W, Stöcker W, Rentzsch K. **Co-occurrence of autoantibodies to DFS70 and autoantibodies associated with rheumatic diseases.** 10. International Congress on Autoimmunity, Leipzig, Germany (2016).
 39. Vanderstichele H, Janelidze S, Demeyer L, Coart E, Stoops E, Herbst V, Mauroo K, Brix B, Hansson O. **Importance of different factors for analysis of β -amyloid isoforms in CSF and proposal for an improved standard operating procedure.** Alzheimer's Association International Conference, Toronto, Canada (2016).

Lectures

1. Fechner K. **Differential diagnosis of autoimmune limbic encephalitis by multiparametric serological testing.** 10. International Congress on Autoimmunity, Leipzig, Germany (2016).
2. Fechner K. **International Consensus on ANA pattern (ICAP): Industry point of view.** Autoimunidade para o seculo XXI: Do FAN aos modernos biomarcadores, Sao Paulo, Brazil (2016).
3. Fechner K. **State of the Art in Automated Assays for Indirect Immunofluorescence.** Autoimunidade para o seculo XXI: Do FAN aos modernos biomarcadores, Sao Paulo, Brazil (2016).
4. Fechner K. **Serological diagnostic of autoimmune bullous dermatoses.** Autoimunidade para o seculo XXI: Do FAN aos modernos biomarcadores, Sao Paulo, Brazil (2016).
5. Fechner K. **Introduction of ANCA reading and evaluation.** Workshop: Curso avancado de diagnostico microscopico em autoimunidade, Sao Paulo, Brazil (2016).
6. Gospos A. **Autoantibody diagnostics in primary membranous nephropathy.** 10. Conference of the Autoantibody Network, Jasper, AB, Canada (2016).
7. Gospos A. **Determination of autoantibodies in autoimmune bullous dermatoses.** 10. Conference of the Autoantibody Network, Jasper, AB, Canada (2016).
8. Gospos A. **Serological diagnosis in myositis and systemic sclerosis.** 10. Conference of the Autoantibody Network, Jasper, AB, Canada (2016).
9. Gospos A. **Serological diagnosis of autoimmune liver diseases.** 10. Conference of the Autoantibody Network, Jasper, AB, Canada (2016).
10. Kramp SL. **Anti-CN-1A [MUP44, NT5C1A] IgG serological assay for the diagnosis of sporadic inclusion body myositis.** 10. International Congress on Autoimmunity, Leipzig, Germany (2016).
11. Scharf M. **Autoantibodies against the flotillin complex in optic neuritis associated with multiple sclerosis.** 10. International Congress on Autoimmunity, Leipzig, Germany (2016).
12. Schlumberger W. **Serological diagnosis of autoimmune blistering skin diseases.** MedLab Congress, Dubai, United Arab Emirates (2016).
13. Schlumberger, W. **Zika virus serology on the background of cocirculating arboviruses.** SOBRAU Meeting, Sao Paulo, Brazil (2016).
14. Schlumberger, W. **Laboratory diagnostics in autoimmune myopathies.** SOBRAU Meeting, Sao Paulo, Brazil (2016).
15. Schlumberger, W. **UFOs in the laboratory.** SOBRAU Meeting, Sao Paulo, Brazil (2016).
16. Schlumberger, W. **Novel biomarkers in autoimmune kidney diseases.** SOBRAU Meeting, Sao Paulo, Brazil (2016).
17. Steinhagen K, Schmidt-Chanasit J, Emmerich P, Lattwein E, Fraune J, Schlumberger W, Warnecke J. **NS1-based Anti-Zika Virus ELISA revealed no cross-reactivity with other flavivirus infections or vaccination.** 6. European Congress of Virology, Hamburg, Germany (2016).
18. Stoecker W. **The incredible success story of immunofluorescence.** 10. International Congress on Autoimmunity, Leipzig, Germany (2016).
19. Stoecker W. **Multiparameter autoantibody screening in the diagnosis of neurological autoimmune diseases.** Scientific gathering on Antibodies Research: Antibodies 2016. Philadelphia, USA (2016).
20. Stoecker W. **Establishing a modern diagnostic company - a review.** XX. Casomil, Zámek

Loučeň, Czech Republic (2016).

21. Stoecker W. **Multiparameter autoantibody screening in the diagnosis of neurological autoimmune diseases**. 10. Conference of the Autoantibody Network. Jasper, Canada (2016).
22. Stoecker W. **Latest innovations in standardization, miniaturization and application of the immunofluorescence**. 10. Conference of the Autoantibody Network. Jasper, Canada (2016).
23. Stoecker W. **Latest innovations in Autoantibody Detection for better diagnosis of AIRD**. Indian Rheumatology Association Conference. Kochi, Indien (2016).

Published Patent Applications

1. Eggert L. **Traction arrangement**. European und International patent application EP3106713 (filed 2015) und WO2016/202448 (filed 2016).
2. Ehlers A, Michel Y, Rohwer S, Suer W, Unger M. **Verbesserter Nachweis von Nussallergien**. Chinese und US patent application CN106084018A (filed 2016) und US20160320407A1 (filed 2016).
3. Herbst V, Nagel B. **Vorrichtung und Verfahren zur Aufbewahrung und zum Transport einer Körperflüssigkeitsprobe**. European und US patent application EP3013478 und US2016/0151780A1 (filed 2014).
4. Kaffka C. **Inkubationsrinne**. International und European patent application WO2016/169576 (filed 2015) und EP3085446 (filed 2015).
5. Kemsies D, Schröder D, Nevermann S. **Inkubationswanne**. European, Chinesische, Korean und Singaporean patent application EP3025779 (filed 2014), CN105628916A (filed 2015), 1020160063268 (filed 2015) und 10201509612T (filed 2015).
6. Kemsies D, Schröder D, Nevermann S. **Incubation tray**. European und Chinese patent application EP3025780 (filed 2014) und CN105628915A (filed 2015).
7. Koschinat L. **Vorratsbehälter für Flüssigkeiten**. European, Chinese und US- patent application EP3034170, CN105699674A und US 2016-0167848 (filed 2015).
8. Meyer W, Scheper T, Kaffka R. **Verfahren zur automatischen Auswertung von inkubierten Blotstreifen**. European und US- patent application EP2989446 und US 2016/0097724A1 (filed 2014).
9. Pannhoff H, Feirer C. **Calibration standard for a device for image-based representation of biological material**. Chinese, European und US patent application CN105917212A (filed 2014), EP3084394 (filed 2014) und US2016/0313249A1 (filed 2014).
10. Scheper T, Meyer M, Langner J. **Vorrichtung und Verfahren zur Diagnose eines Nasopharynx-Karzinoms**. Chinese patent application CN105308459A (filed 2014).
11. Stöcker W. **Verbesserte Vorrichtung und Verfahren für Reaktionen zwischen einer festen und einer flüssigen Phase**. European, Chinese, US und Korean patent application EP3063525, CN105723202A, US2016/0258971A1 und 1020160079844 (filed 2014).
12. Stöcker W, Komorowski L, Miske R, Scharf M, Denno Y, Probst C. **A novel diagnostically relevant autoantibody**. European patent application EP3026434 (filed 2014).
13. Stöcker W, Komorowski L, Scharf M, Miske R, Denno Y, Blöcker IM, Probst C, Tiede S. **A novel diagnostically relevant autoantibody**. European patent application EP3018478 (filed 2014).
14. Stöcker W, Komorowski L, Scharf M, Miske R, Denno Y, Dettmann IM, Probst C, Hahn S, Kade S, Trendelenburg G. **Diagnosis of a neuroautoimmune disease**. Chinese, European und US patent application CN106243211A (filed 2016), EP3101424 (filed 2016) und US2016/0355565A1 (filed 2016).
15. Stöcker W, Komorowski L, Scharf M, Miske R, Denno Y, Probst C, Dettmann IM, Teegen B,

- Melzer N, Wiendl H, Meuth S. **Diagnosis of a novel autoimmune disease.** Chinese, European und US patent application CN106065028A (filed 2016), EP3086120 (filed 2015) und US 2016/0311876 (filed 2016).
16. Stöcker W, Rottmann N, Koop N. **Transparenter Objektträger mit Kennzeichnung.** Chinese, European und US patent application CN105916583A (filed 2014), EP3094404 (filed 2014) und US2016/0334612 (filed 2014).
17. Stöcker W, Wuttig D. **Vorrichtung und Verfahren zur Bestimmung des Volumens einer Flüssigkeit.** European patent application EP3072594 (filed 2015).
18. Liwei X, Shaojun L. **Aspirationsnadel.** German patent application 102016002846.7 (filed 2016).

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Publications

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2. Diecker J, Schlumberger W, McHugh N, Hamann P, Vlag van der J, Berden JH. **Reactivity in ELISA with DNA-loaded nucleosomes in patients with proliferative lupus nephritis.** Mol Immunol 68: 20-24 (2015).
3. Gerlach S, Affeldt K, Pototzki L, Krause C, Voigt J, Fraune J, Fechner K. **Automated evaluation of Crithidia luciliae based indirect immunofluorescence tests: A novel application of the EUROPattern-Suite technology.** J Immunol Res Article 2015:742402 (2015).
4. Gosink J. **Parathyroid hormone, calcitonin and vitamin D testing in calcium and bone metabolic disorders.** Medlab Magazine 2 (2015).
5. Gutiérrez C, Tejedor-Junco MT, González M, Lattwein E, Renneker S. **Presence of antibodies but no evidence for circulation of MERS-CoV in dromedaries on the Canary Islands, 2015.** Euro Surveill 20(37) (2015).
6. Jarius S, Wildemann B, Stöcker W, Moser A, Wandinger KP. **Psychotic syndrome associated with anti-Ca/ARHGAP26 and voltage-gated potassium channel antibodies.** J Neuroimmunol 286: 79-82 (2015).
7. Krause C, Ens K, Fechner K, Voigt J, Fraune J, Rohwäder E, Hahn M, Danckwardt M, Feirer C, Barth E, Martinetz T, Stoecker W. **EUROPattern-Suite technology for computer-aided immunofluorescence microscopy in autoantibody diagnostics.** Lupus 24: 516-529 (2015).
8. Langenhan J, Mersmann M, Dworschak J, Schmidt E, Probst C, Stöcker W. **Track Z (FS): Novel developments in the diagnosis and treatment of autoimmune blistering diseases.** Biomed Tech (Berl.) 60 Suppl 1:s407-25 (2015).
9. Leyboldt F, Höftberger R, Titulaer MJ, Armangue T, Gresa-Arribas N, Jahn H, Rostasy K, Schlumberger W, Meyer T, Wandinger KP, Rosenfeld MR, Graus F, Dalmau J. **Investigations on CXCL13 in anti-N-methyl-D-aspartate-receptor encephalitis: a potential biomarker of treatment response.** JAMA Neurol 72(2): 180-186 (2015).
10. Mastroianni-Kirsztajn G, Hornig N, Schlumberger W. **Autoantibodies in renal disease – clinical significance and recent developments in serological detection.** Front Immunol 11(6): 221 (2015).

11. Michaels MA, Jendrek ST, Korf T, Nitzsche T, Teegen B, Komorowski L, Derer S, Schröder T, Baer F, Lehnert H, Büning J, Fellerman K, Sina C. **Pancreatic autoantibodies against CUZD1 and GP2 are associated with distinct clinical phenotypes of Crohn's Disease.** *Inflamm Bowel Dis* 21(12): 2864-2872 (2015).
12. Müller MA, Meyer B, Corman VM, Al-Masri M, Turkestani A, Ritz D, Sieberg A, Aldabbagh S, Bosch B-J, Lattwein E, Alhakeem RF, Assiri AM, Albarrak AM, Al-Shangiti AM, Al-Tawfiq JA, Wikramaratna P, Alrabeeah AA, Drosten C, Memish ZA. **Presence of Middle East respiratory syndrome coronavirus antibodies in Saudi Arabia: a nationwide, cross-sectional, serological study.** *Lancet Infect Dis* 15(5): 559-564 (2015).
13. Muth D, Corman VM, Meyer B, Assiri A, Al-Masri M, Farah M, Steinhagen K, Lattwein E, Al-Tawfiq JA, Albarrak A, Müller MA, Drosten C, Memish ZA. **Infectious MERS-Coronavirus excretion and serotype variability based on live virus isolates from patients in Saudi Arabia.** *J Clin Microbiol* 53(9): 2951-2955 (2015).
14. Papp M, Sipeki N, Tornai T, Altorjay I, Norman GL, Shums Z, Roggenbuck D, Fechner K, Stöcker W, Antal-Szalmás P, Veres G, Lakatos PL. **Rediscovery of the anti-pancreatic antibodies and evaluation of their prognostic value in a prospective clinical cohort of Crohn's patients: the importance of specific target antigens (GP2 and CUZD1).** *J Crohns Colitis* 9(8): 659-68 (2015).
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19. Scharf M, Miske R, Heidenreich F, Giess R, Landwehr P, Blöcker M, Begemann N, Denno Y, Tiede S, Dähnrich C, Schlumberger W, Unger M, Teegen B, Stöcker W, Probst C, Komorowski L. **Neuronal Na(+)/K(+) ATPase is an autoantibody target in paraneoplastic neurological syndrome.** *Neurology* 84(16): 1673-1679 (2015).
20. Schlumberger W. **Autoantibody diagnostics in autoimmune nephropathies.** *Medlab Magazine* 2 (2015).
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23. Sutphen CL, Jasielc MS, Shah AR, Macy EM, Xiong C, Vlassenko AG, Benzinger TLS, Stoops EEJ, Vanderstichele HMJ, Brix B, Darby HA, Vandijck MLJ, Ladenson JH, Morris JC, Holtzman DM, Fagan AM. **Longitudinal cerebrospinal fluid biomarker changes in**

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Abstracts & Posters

1. Brix B, Vanderstichele H. **Use of Beta-Amyloid 1-42/1-40 Ratio in routine diagnostic labs.** 11. International Conference on Alzheimer's and Parkinson's Disease, Nizza, France (2015).
2. Cavalari M, Harder M, Hellberg L, Opelka P, Götzl J, Steller U. **HPV detection and typing by molecular diagnostic microarray.** EUROGIN, Sevilla, Spain (2015).
3. Dähnrich C, van Beek N, Hornig N, Goletz S, Dworschak J, Schlumberger W, Zillikens D, Schmidt E. **Multivarianter Profil-ELISA zur sensitiven und spezifischen Einschrittdiagnostik bullöser Autoimmundermatosen.** 48. DDG Tagung, Berlin, Germany (2015).
4. Edmonson DG, Witt B, Probst C, Schlumberger W, Stöcker W, Norris SJ, Komorowski L. **Passive immunization using polyclonal or monoclonal anti-dimeric OspC antibodies prevents infection with Borrelia burgdorferi B31 in mice.** 14. ICLB, Wien, Austria (2015).
5. Gerlach S, Affeldt K, Pototzki L, Krause C, Voigt J, Fraune J, Stöcker W, Fechner K. **Automated evaluation of Crithidia luciliae IFT as novel application of the "EUROPattern-Suite".** 12. Dresden Symposium on Autoantibodies, Dresden, Germany (2015).
6. Gerlach S, Hochstrate N, Affeldt K, Viertel V, Krause C, Voigt J, Fraune J, Stöcker W, Fechner K. **Automated immunofluorescence microscopy for instant screening and confirmation of ANCA.** 12. Dresden Symposium on Autoantibodies, Dresden, Germany (2015).
7. Kaden J, Herbst V, Block M, Scherberich J, Abendroth D, Nockher A, Schlumberger W. **Uromodulin serum levels in kidney graft donors and recipients.** 24. Annual Meeting of the German Transplantation Society, Dresden, Germany (2015).
8. Kaden J, Herbst V, Block M, Schlumberger W. **Serum uromodulin level and early kidney graft function.** 17. Congress of the European Society for Organ Transplantation, Brüssel, Belgium (2015).
9. Komorowski L, Scharf M, Teegen B, Rentzsch K, Schlumberger W, Stöcker W. **Autoantibodies against tubular basement membrane in progressive systemic sclerosis are directed against Scl-70.** 12. Dresden Symposium on Autoantibodies, Dresden, Germany (2015).
10. Miske R, Rosenkranz T, Müller M, Hahn S, Blöcker IM, Mindorf S, Denno Y, Schlumberger W, Stöcker W, Probst C, Terborg C, Komorowski L. **Autoantibodies against glutamate receptor delta2 in a Caucasian patient after allogeneic stem cell transplantation.** 1. Congress of the European Academy of Neurology, EAN, Berlin, Germany (2015).
11. Miske R, Melzer N, Scharf M, Wiendl H, Meuth S, Synofzik M, Dettmann IM, Mindorf S, Denno Y, Teegen B, Stöcker W, Brakopp S, Probst C, Komorowski L. **Neurochondrin is a target for autoantibodies in a unique form of autoimmune cerebellitis associated with brainstem syndrome.** 12. Dresden Symposium on Autoantibodies, Dresden, Germany (2015).
12. Seismann H, Bantleon F, Wolf S, Weimann A, Suer W, Jakob T, Bilo B, Spillner E. **Component resolution for improved diagnostics of hymenoptera venom allergy using a set of recombinant vespula and polistes venom allergens.** European Academy of Allergy and Clinical Immunology Congress 2015, EAACI, Barcelona, Spain (2015).
13. Stöcker W, Probst C, Teegen B, Rentzsch K, Schlumberger W, Fraune J, Komorowski L. **Multiparameter autoantibody screening in the diagnosis of neurological autoimmune diseases.** 1. Congress of the European Academy of Neurology, EAN, Berlin, Germany (2015).

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Lectures

1. Gospos A. **Anti-phospholipase A2 receptor – a breakthrough of serological marker for primary membranous nephropathy.** All about Autoantibodies!, The Academy of Clinical Science and Laboratory Medicine, Dublin, Ireland (2015).
2. Gospos A. **Neuronal autoantibodies and clinical significance.** The Academy of Clinical Science and Laboratory Medicine: “All about Autoantibodies!”, Dublin, Ireland (2015).
3. Heick SB. **Cutting-edge molecular diagnostics of genetic and infectious diseases.** 8. International & 13. National Congress on Quality Improvement in Clinical Laboratories, Tehran, Iran (2015).
4. Komorowski L. **Neurochondrin is a target for autoantibodies in a unique form of autoimmune cerebellitis associated with brainstem syndrome.** 12. Dresden Symposium on Autoantibodies, Dresden, Germany (2015).
5. Schlumberger W. **Algorithm of coeliac disease investigation.** 40. Arab Health Congress/ Medlab, Dubai, United Arab Emirates (2015).
6. Schlumberger W. **Novel markers in autoimmunity: Kidney and neurological diseases.** 40. Arab Health Congress/ Medlab, Dubai, United Arab Emirates (2015).
7. Schlumberger W. **Autoantibodies against phospholipase-A2 receptors in membranous nephropathy.** Seminar, Unità Operativa Complessa di Nefrologia, Università Cattolica (2015).
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11. Probst C. **RC IFA: The fastest way for the translation of novel antibody markers to the diagnostic lab**. 3. Translational Immunology School, Potsdam, Germany (2014).
12. Probst C. **GABA receptor antibodies in neurological diseases and their detection by recombinant cell based Immunofluorescence assay – the fastest way for the translation of novel antibody markers to the diagnostic lab**. 2. International Meeting on Nerve-driven Immunity: Neurotransmitter and Neuropeptides in the Immune System, Stockholm, Sweden (2014).
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