EUROIMMUN Medizinische Labordiagnostika AG

EUROIMMUN Publications and Patents

(Link to chapters: Strg + left mouse button)

2025

Publications

1. Ansah-Dico S et al. **The role of autoantibodies in post-chikungunya viral arthritis disease severity**. Microbiol Spectr 13(4):e0265624 (2025). DOI: 10.1128/spectrum.02656-24.

2. Buffagni V et al. **Case report: Suspected "stiff dog syndrome" in a Maltese dog**. Front Vet Sci 12:1613131 (2025). DOI: 10.3389/fvets.2025.1613131.

3. Corty M et al. **Anti-VGLUT2 autoantibodies in neurological diseases**. Brain Behav Immun 129:470-484 (2025). DOI: 10.1016/j.bbi.2025.06.014.

4. 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.

5. Heidemann PL et al. **Autoantibodies against TRIM46 identified in a dog suffering from suspected meningoencephalomyelitis of unknown origin**. J Smal Anim Pract: 1-7 (2025). DOI: 10.1111/jsap.13911.

6. 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 (Praha) 70(2):493-503 (2025). DOI: 10.1007/s12223-025-01252-w.

7. 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.

8. 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.

9. 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 29(2):219-227 (2025). DOI: 10.5935/1518-0557.20240098.

10. 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.

11. Pigors M et al. **Anti-laminin β4 IgG drives tissue damage in anti-p200 pemphigoid and shows interactions with laminin α3 and γ1/2 chains**. J Invest Dermatol 145(4):821-830.e3 (2025). DOI: 10.1016/j.jid.2024.08.004.

12. 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.

13. Vorasoot N et al. **DAGLA autoantibody experience at Mayo Clinic**. J Neurol 272(7):460 (2025). DOI: 10.1007/s00415-025-13197-8.

14. 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.

15. Zieba-Domalik MJ et al. **Association between vulvar lichen sclerosus and celiac disease in women**. Ginekol Pol 96(5):342-347 (2025). DOI: 10.5603/gpl.103181.

16. Zieba-Domalik MJ et al. **Associations vulvar lichen sclerosus with autoimmune thyroid diseases**. Ginekol Pol 96(4):235-240 (2025). DOI: 10.5603/gpl.103145.

Abstracts & Posters

1. Arlt FA et al. **Septin autoimmunity beyond SEPTIN5 and SEPTIN7 in neurological diseases**. FASEB Science Research Conferences – Septins: Spatial Regulators of Cell Biology, Niagara Falls, NY, USA (2025).

2. 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).

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**. 9th European Congress of Virology (ECV), Dubrovnik, Croatia (2025).

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**. Congress of the European Society of Clinical Microbiology and Infectious Diseases (ESCMID Global), Vienna, Austria (2025).

5. Canedo Campos Schettino I et al. **Analysis of IgG reactivity to different Epstein-Barr virus antigens in Brazilian patients with multiple sclerosis**. 26th Annual Meeting of the Brazilian Committee for Treatment and Research in Multiple Sclerosis (BCTRIMS), Sao Paulo, SP, Brazil (2025).

6. 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).

7. 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).

8. Dangoni Filho I et al. **Comparative profile of CSF biomarkers and APOE genotype between Alzheimer's disease variants**. XV Congresso Paulista de Neurologia, Santos, SP, Brazil (2025).

9. Egger M et al. **Evaluation of a novel antigen ELISA for the diagnostics of invasive pulmonary aspergillosis**. Infection Week and Microbiological Spring Meeting (SVIM), Örebro, Sweden (2025).

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**. 18th International Conference on Advanced Technologies & Treatment for Diabetes (ATTD), Amsterdam, The Netherlands (2025).

11. 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).

12. 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).

13. 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).

14. 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).

15. 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).

16. 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).

17. 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).

18. Muranen P et al. **Detection of dermatophytes in culture-negative and contaminated nail samples using molecular diagnostics**. 36th Nordic Congress of Dermatology & Venereology (NCDV), Helsinki, Finland (2025).

19. 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).

20. Sabalza M et al. **Antibody detection in the context of vaccination against tick-borne encephalitis virus using two IVDR approved ELISAs**. ASM Microbe, Los Angeles, USA (2025).

21. Sabalza M et al. **Detection of anti-Oropouche virus-specific IgM in a patient panel from a Zika virus epidemic area in 2015 / 2016**. ASM Microbe, Los Angeles, USA (2025).

22. 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**. 38th Biennale Congress of the Nordic Society of Nephrology (NSN), Oslo, Norway (2025).

23. Weiss J et al. **Evaluation of the performance of the EUROIMMUN anti-GABA$_A$R IFA in patients with suspected autoimmune anti-GABA$_A$R encephalitis**. World Encephalitis Day Conference, Jacksonville, USA (2025).

24. 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. Arlt FA et al. **Septin autoimmunity beyond SEPTIN5 and SEPTIN7 in neurological diseases**. FASEB Science Research Conferences – Septins: Spatial regulators of Cell Biology, Niagara Falls, NY, USA (2025).

6. Den Hartog Jager CF et al. **New sesame components can improve the diagnosis of sesame allergy**. Annual Congress of the European Academy of Allergy and Clinical Immunology (EAACI), Glasgow, United Kingdom (2025).

7. Dieckmann K. **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), Ystadt Sweden (2025).

8. Diering S. **Detektion von Dermatophyten in Kultur-negativen und kontaminierten Nagelproben mit Hilfe molekularer Diagnostik**. Tagung der Deutschen Dermatologischen Gesellschaft (DDG), Berlin, Germany (2025).

9. Pedaran M. **Distribution and diagnosis of acute respiratory infections (ARI)**. Fachseminar SiSEL, Senohraby, Czech Republic (2025).

10. Pedaran M. **Aspergillus fumigatus**. Online Seminar, Academy Dubai, Dubai, VAE (2025).

11. Stanisak A. **Complete all-in-one automation in IIFT**. Kauvery CME, Chennai, India (2025).

12. Stanisak A. **Automation in reporting of IIFT**. Apollo Diagnostics CME, Hyderabad, India (2025).

13. Stanisak A. **Importance of automation in Autoimmune Diagnosis**. LalPath Laboratories CME, Bangalore, India (2025).

14. Stanisak A. **Complete automation in IIFT**. Medanta CME, Delhi, India (2025).

15. 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

Publications

1. Antoniello B et al. **Non-HLA autoantibodies against angiotensin II receptor 1 (AT1R) and endothelin A receptor (ETAR) in pediatric kidney transplantation**. Int J Mol Sci 25(21):11817 (2024). DOI: 10.3390/ijms252111817.

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). DOI: 10.33696/immunology.6.211.

8. Dulska 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. Dulska 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.

10. Goletz S et al. **Laminin β4 is a constituent of the cutaneous basement membrane zone and additional autoantigen of anti-p200 pemphigoid**. J Am Acad Dermatol 90(4):790-797 (2024). DOI: 10.1016/j.jaad.2023.11.014.

11. Goletz S et al. **Sensitive and specific assay for the serological diagnosis of anti-p200 pemphigoid based on the recombinant laminin β4 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. Kälin 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 δ2 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 Allergology 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.

22. Peter E et al. **Anti-RGS8 paraneoplastic cerebellar ataxia is preferentially associated with a particular subtype of Hodgkin's lymphoma**. J Neurol 271(10):6839-6846 (2024). DOI: 10.1007/s00415-024-12618-4

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.

24. Rey G et al. **Automated ELISA for potency measurements of therapeutic antibodies and antibody fragments**. J Pharm Biomed Anal 245:116141 (2024). DOI: 10.1016/j.jpba.2024.116141.

25. Römpler K et al. **Evaluation of the EUROIMMUN automated chemiluminescence immunoassays for measurement of four core biomarkers for Alzheimer's disease in cerebrospinal fluid**. Pract Lab Med 41:e00425 (2024). DOI: 10.1016/j.plabm.2024.e00425.

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. Tegtmeyer 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. 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 Medial 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 Medial 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 Medial 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$_A$R IFA in patients with suspected autoimmune anti-GABA$_A$R 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).

42. Resende et al. **Avaliação do papel filtro (DBS) na detecção de anticorpos anti-Toxoplasma gondii (IgG)**. 56° Congresso Brasileiro de Patologia Clínica e Medicina Laboratorial (CBPCML), Salvador, Brazil (2024).

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49. Sabalza M et al. **New real-time PCR test for APOE genotyping in Alzheimer's patients before anti-amyloid therapy**. Meeting of the Association for Diagnostics & Laboratory Medicine (ADLM), Chicago, USA (2024).

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51. Venkataraman et al. **Performance assessment of the new EUROLINE Neurologic Syndrome 15 Ag (IgG) for the detection of neurologic antibodies**. Summer Conference "Autoimmune Neurology" of the American Academy of Neurology (AAN), Atlanta, USA (2024).

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Lectures

1. Confettura AD. **IIFT Cell-Based Assay – Applications in Autoimmune diseases diagnostics**. „The EUROIMMUN Effect" – Workshop EUROIMMUN Italia, Padua, Italy (2024).

2. Scharf M. **Characterization of novel neuronal autoantigens**. BETPSY Scientific Day, Lyon, France (2024).

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Abstracts & Posters

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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).

4. Bacarov NB et al. **Vaccination anti-SARS-CoV-2 scheme effect on humoral responses on Brazilian cohort**. Annual Scientific Meeting & Clinical Lab Expo of the American Association for Clinical Chemistry (AACC), Anaheim, USA (2023).

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6. Bestmann Y et al. **Serodiagnosis of anti-glomerular basement membrane disease using a newly developed chemiluminescence immunoassay**. 36th Annual Meeting of the Association of Medical Laboratory Immunologists (AMLI), Seattle, USA (2023).

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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).

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55. Sabalza M et al. **Mayaro virus and Chikungunya virus IgM and IgG testing in parallel improves diagnosis of acute Mayaro virus infections**. Meeting of the American Society of Tropical Medicine & Hygiene (ASTMH), Chicago, USA (2023).

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 *Borrrelia* 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. **PLA$_2$R 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 Fängermolekülbeschichtungen 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).

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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.

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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).

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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.

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21. Krzemień P et al. **Relationship Between Anti-DFS70 Autoantibodies and Oxidative Stress**. Biomark Insights 17:11772719211066791 (2022). DOI: 10.1177/11772719211066791.

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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 boostering 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.

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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.

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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.

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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).

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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 Microbiolgoy 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 an 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 Microbiolgoy 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**. AACC 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 sterods treatment in patients with membranous nephropathy**. 13th International Congress on Autoimmunity (ICA), Athens, Greece (2022).

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43. Vink C et al. **Relevance of anti-PLA2R levels in therapy decision and prediction of therapy outcome using cyclophosphamide and sterods 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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Lectures

1. Bajorat S et al. **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 Kleinhirnataxie**. 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).

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Abstracts & Posters

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2. Brock J, Herbst V, Block M, Stöcker W. **Die Konzentration des Serum-Uromodulin als Indikator der globalen Nierenfunktion**. Weltnierentag, 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).

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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, Pittock SJ, Klein CJ, McKeon A. **Autoimmune gait disturbance accompanying adaptor protein-3B2-IgG**. 14. Dresden Symposium on Autoantibodies, Dresden, Germany (2019).

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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).

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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).

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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).

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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).

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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 Microbilogy, Savannah, USA (2019).

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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. Cavalar 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 chemiluminescnce 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).

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30. Seebeck F. **Significance of ANCA testing in the diagnosis of different inflammatory diseases**. INOCHEM Autoimmunity Workshop at Centro Médico Dalinde, México City, México (2019).

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Lectures

1. Arendt P. **New developments in beta-amyloid CSF measurements**. 1. Congrès des 7 CoEN, Montpellier, France (2018).

2. Cavalar M. **Career paths outside academia**. 2. International RTG 1743 Symposium, Kiel, Germany (2018).

3. Cavalar 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 parametersin 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).

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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, Städtishes 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).

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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. 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

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5. Fechner K. **Introduction of ANCA reading and evaluation.** Workshop: Curso avancado de diagnostico microscopico em autoimunidade, Sao Paulo, Brazil (2016).

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2. Morrin M. **Vorrichtung und Verfahren zur automatischen Fokussierung für die Mikroskopie schwach leuchtender Substrate.** Chinese, European and US patent application CN 103 080 807 (filed 2013), EP 2 609 460 (filed 2013) and US2013/0162804 (filed 2013).

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2. Fechner K. **1. RC-IFT: Neue Forschungsparameter für das Diagnostiklabor. 2. Automatisierungslösungen für die Immunfluoreszenz**. 16. Jahrestagung der IGLD, Essen, Germany (2012).

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2. Stöcker W. **Verfahren zum Nachweis von Anti-NMDA-Rezeptor-Autoantikörpern zum Einsatz in Diagnoseverfahren**. German and International patent application DE 10 2010 053 432.3 (filed 2010) and WO 2012/076000 (filed 2011).

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4. Stöcker W, Komorowski L, Probst C, Janssen A. **Polypeptides and method for the specific detection of antibodies in patients with a Borrelia infection**. US patent application US 2012 0177680 (filed 2012).

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Lectures

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2. Fechner K. **1. utomatisierung IIFT – Inkubation und Auswertung als vollautomatische Walk-away-Lösung. 2. Professionelle ANA-Diagnostik – Screening mittels IIFT, Bestätigung mit ELISA oder Immunblot**. Workshop „Multiplex-Autoantikörperdiagnostik mit BIOCHIP-Mosaiken", IGLD-Symposium, Hamburg, Germany (2011).

3. Fechner K. **New concepts for automation of IIFT systems**. Seminar „Current topics in autoimmune diagnostics", Einweihung des EUROIMMUN International Training Centre, London, Great Britain (2011).

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8. Lehmann C. **The EUROLINE System: Multiplex analysis of autoantibody profiles**. EUROIMMUN Satellite Symposium, Shanghai, China (2011).

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Abstracts & Posters

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