

## Publication List Prof. Dr. rer. nat. Oliver Schildgen (03.01.2025)

### Overview/Statistics

Type of Publication	1 <sup>st</sup> Authorship/ equally contributed		Co-Authorship		Senior- Authorship		total
	<b>B</b>	<b>A</b>	<b>B</b>	<b>A</b>	<b>B</b>	<b>A</b>	
<b>before/ after Habilitation</b>							
<b>Originals</b>	11	2	3	41	0	29	<b>86</b>
<b>Case Reports</b>	3	-	-	13	0	16	<b>32</b>
<b>Reviews</b>	1	10	-	2	-	17	<b>33</b>
<b>Letters (peer- reviewed)</b>	3	7	-	8	1	31	<b>50</b>
<b>Multicenter Study Investigator</b>							<b>1</b>
<b>total</b>							<b>202</b>
<b>Posters and Talks with Impact-Factor</b>	9		17		9		37
<b>Posters and Talks w/o Impact-Factor</b>	80		29		19		128
<b>Book Articles</b>	8		5		6		21
<b>Patents</b>	2		-		-		2
<b>Softwarecopyright</b>	-		1		-		1

#### Habilitation Thesis:

*Oliver Schildgen: Untersuchungen zur Therapie der chronischen Hepatitis B Virus Infektion; Rheinische Friedrich Wilhelms Universität Bonn, November 2006*

#### PhD Thesis:

*Oliver Schildgen: Identifizierung einer O-Glykosylierungsstelle der Woodchuck Hepatitis Virus (WHV) preS2-Domäne und deren Einfluß auf den intrazellulären Transport des middle surface antigen (WHmsAg), Universität Essen, Januar 2002*

#### Diploma Thesis:

*Oliver Schildgen: Molekularbiologische Untersuchungen der Pathogenitätsdeterminanten verschiedener Echovirus 9 Stämme, Universität zu Köln, Juni 1998*

## A. Originals (Impactfactors in Brackets)

### before "Habilitation":

1. Birgit Nelsen-Salz, **Oliver Schildgen**, Marcus Klein, Dirk Hadaschik, Hans J. Eggers, and Holger Zimmermann (1999): Determinants of pathogenicity of ECHO-virus 9 in men: significance for a functional RGD motif; Zent.bl. Bakteriol. 289, 347-354 (**0.679**)
2. Brigitte M. Pützer, Thorsten Stiewe, Florian Rödicker, **Oliver Schildgen**, Stefan Rühm, Olaf Dirsch, Melanie Fiedler, Uta Dahmen, Bud Tennant, Caren Scherer, Frank L. Graham, and Michael Roggendorf (2001): Large nontransplanted hepatocellular carcinoma in woodchucks: treatment with Adenovirus-mediated delivery of interleukin 12/B7.1 genes; Journal of the National Cancer Institute, 93 (6), 472-9 (**14.240**) (**aus Dissertation entstanden**)
3. **Oliver Schildgen**, Tilman Geikowski, Thomas Glatzel, Arne Simon, Anja Wilkesmann, Michael Roggendorf, Sergei Viazov, and Bertfried Matz (2004): New variant of the human metapneumovirus (HMPV) associated with an acute and severe exacerbation of asthma bronchiale; Journal of Clinical Virology, 31/4 pp. 283-288 (**2.447**)
4. **Oliver Schildgen**, Carl Knud Schewe, Martin Vogel, Martin Däumer, Rolf Kaiser, Lutwin Weitner, Bertfried Matz, and Jürgen Kurt Rockstroh (2004): Successful therapy of hepatitis B with Tenofovir in HIV-infected patients failing previous adefovir and lamivudine treatment; AIDS, 2004, 18(17):2325-7 (**5.893**)
5. **O. Schildgen**, M. Roggendorf and M. Lu (2004): Identification of a glycosylation site in the woodchuck hepatitis virus preS2 protein and its role in protein trafficking J Gen Virol ; 85: 787-793 (**3.327**) (**aus Dissertation entstanden**)
6. **Oliver Schildgen**, Tilman Geikowski, Thomas Glatzel, Jochen Schuster, and Arne Simon (2004): Frequency of human metapneumovirus in the upper respiratory tract of children with symptoms of an acute *Otitis media*. European Journal of Pediatrics, 164 (4), 400-1 (**1.369**)
7. **Oliver Schildgen**, Sascha Gräper, Johannes Blümel, and Bertfried Matz (2004): Genome replication and progeny virion production of herpes simplex virus type 1 mutants with temperature-sensitive lesions in the origin-binding protein; Journal of Virology 2005, 79(11), 7273-8 (**5.398**)
8. **Oliver Schildgen**, Hueseyin Sirma, Anneke Funk, Cynthia Olotu, Ulrike C. Wend, Heinz Hartmann, Martin Helm, Jürgen K. Rockstroh, Wulf R. Willems, Hans Will, Wolfram H. Gerlich (2006): Variant of hepatitis B virus with primary resistance to adefovir; The New England Journal of Medicine, 354 (17), 1807-1812 (**51.296**)
9. **O. Schildgen**, M. Fiedler, U. Dahmen, J. Li, M. Roggendorf, and M. Lu (2006): Fluctuation of the Cytokine profile in the Liver during the Woodchuck Hepatitis Virus Infection; Immunology Letters, 102(1):31-7 (**2.136**) (**aus Dissertation entstanden**)
10. **Oliver Schildgen**, Michel de Vries, Maarten F. Jebbink, Krzysztof Pyrc, Ronald Dijkman, Arne Simon, Andreas Müller, Bernd Kupfer, and Lia van der Hoek(2006): Identification of cell lines permissive for human Coronavirus NL63; Journal of Virological Methods; 138(1-2):207-10 (**1.886**)
11. Anja Wilkesmann\*, **Oliver Schildgen**\*, Anna-Maria Eis-Hübinger, Tilman Geikowski, Thomas Glatzel, Michael J. Lentze, Udo Bode, Arne Simon (2006): Human Metapneumovirus infections cause similar symptoms and clinical severity as Respiratory Syncytial Virus-infections; European Journal of Pediatrics, 165(7):467-475; (\*equally contributed) (**1.369**)
12. Arne Simon\*, **Oliver Schildgen**\*, Anna-Maria Eis-Hübinger, Carola Hasan, Udo Bode, Stefan Buderus, Steffen Engelhart, Gudrun Fleischhack (2006): Norovirus outbreak in pediatric oncology; Scandinavian Journal of Gastroenterology, 41(6):693-9, (\*equally contributed) (**1.824**)

13. Arne Simon, Karun Khurana, Anja Wilkesmann, Steffen Engelhart, Martin Exner, **Oliver Schildgen**, Anna M. Eis-Hübinger, Jessie R. Groothuis, Udo Bode (2006): Nosocomial Respiratory Syncytial Virus Infection: Impact of Prospective Surveillance and Targeted Infection Control; *International Journal of Hygiene and Environmental Health*, 209(4):317-24 **(1.421)**
14. Maria-Angeles Gonzales-Carmona, Sabine Schüssler, Matthias Serwe, Michael Alt, János Ludwig, Brian S. Sproat, Robin Steigerwald, Per Hoffmann, **Oliver Schildgen**, and Wolfgang H. Caselmann (2006): Hammerhead ribozymes with cleavage site specificity of NUH and NCH as anti-hepatitis C virus agents; *Journal of Hepatology*, 44(6): 1017-25 **(4.816)**
15. Sebastian Völz\*, **Oliver Schildgen\***, Dennis Klinkenberg, Vanessa Ditt, Andreas Müller, Ramona L. Tillmann, Bernd Kupfer, Udo Bode, Michael J. Lentze, and Arne Simon (2007): Prospective Study of Human Bocavirus (HBoV) Infection in a Pediatric University Hospital in Germany 2005/2006; *J Clin Virol.* 2007, 40(3):229-35. (\*equally contributed) **(2.63)**

**after “Habilitation”:**

16. Ramona Liza Tillmann, Arne Simon, Andreas Müller, and **Oliver Schildgen (2007)**: Sensitive commercial NASBA assay for the detection of Respiratory Syncytial Virus in clinical specimen, *PLoS ONE.* 2007 Dec 26;2(12):e1357 **(4.351)**
17. Amna Rayani, Udo Bode, Elmukhtar Habas, Gudrun Fleischhack, Steffen Engelhart, Martin Exner, **Oliver Schildgen**, Anna Maria Eis-Hübinger, Arne Simon (2007): Rotavirus infection in paediatric oncology: does it matter? A matched pair analysis; *Scandinavian Journal of Gastroenterology*, 42(1):81-7 **(1.824)**
18. Anja Wilkesmann, Roland Amann, **Oliver Schildgen**, Anna M. Eis-Hübinger, Andreas Müller, Jürgen Seidenberg, Christian Rieger, Egbert Hertin, Friedeman Hornschuh, Jessie R. Groothuis, and Arne Simon (2007): Hospitalized children with respiratory syncytial virus infection and neuromuscular impairment face an increased risk of a complicated course; *The Pediatric Infectious Disease Journal*, 26(6):485-91 **(3.047)**
19. Arne Simon, Anja Wilkesmann, Roland Amann, Anna M. Eis-Hübinger, **Oliver Schildgen**, Edda Weimann, Hans U. Peltner, Peter Seiffert, Angela Süss- Grafeo Jessie R. Groothuis, Johannes Liese, Andreas Müller (2007): Respiratory syncytial virus infection in 406 hospitalized premature infants: results from a prospective German multicentre database; *Eur J Pediatr*, 166(12):1273-83 **(1.369)**
20. Arne Simon, Andreas Müller, Karun Khurana, Steffen Engelhart, Martin Exner, **Oliver Schildgen**, Anna M. Eis-Hübinger, Wolfgang Kamin, Thomas Schaible, Karoline Wadas, Anja Wilkesmann, and the DSM RSV Ped Study Group (2008): Nosocomial infection: a risk factor for a complicated course in children with Respiratory syncytial virus infection –Results from a prospective multicentre German surveillance study, *Int J Hyg Environ Health*, 211(3-4):241-50 **(1.421)**
21. Soyhan Bagci, Anna M. Eis-Hübinger, Axel R. Franz, Gabriele Bierbaum, Axel Heep, **Oliver Schildgen**, Peter Bartmann, Bernd Kupfer, Andreas Mueller (2008): Detection of Astrovirus in premature infants with necrotizing enterocolitis, *Pediatr Infect Dis J.*, 27(4):347-50 **(3.215)**
22. Linda Bonzel, Horst Schrotten, Tobias Tenenbaum, **Oliver Schildgen**, Susanne Schweitzer-Krantz, and Ortwin Adams (2008): Diagnosis of Respiratory Virus Coinfections in Children with Respiratory Tract Infection by a Multiplex Real-Time RNA- and DNA- PCR, *Pediatr Infect Dis J.*, 27(7):589-94 **(3.215)**
23. Vanessa Ditt, Sergei Viazov, Ramona Tillmann, Verena Schildgen, and **Oliver Schildgen (2008)**: Genotyping of human Bocavirus using a restriction length polymorphism, *Virus Genes*, 36(1):67-9 **(1.102)**
24. Ronald Dijkman, Sylvie M. Koekkoek, Richard Molenkamp, **Oliver Schildgen** and Lia van der Hoek: Human bocavirus can be cultured in differentiated human airway epithelial cells; *Journal of Virology* **(2009)**, 83(15):7739-48, doi:10.1128/JVI.00614-09 **(5.322)**

25. Anja von Renesse, **Oliver Schildgen**, Dennis Klinkenberg, Andreas Müller, Arpad von Moers, Arne Simon (2009): Respiratory syncytial virus infection in hospitalized children but mechanically ventilated for other reasons, *Journal of Medical Virology*;81(1):160-6 (2.831)
26. Andreas Müller, Dennis Klinkenberg, Jörg Vehreschild, Oliver Cornely, Ramona Liza Tillmann, Caspar Franzen, Arne Simon, **Oliver Schildgen** (2009): Low Prevalence of human metapneumovirus and human bocavirus in adult immunocompromised high risk Patients suspected to suffer from *Pneumocystis* Pneumonia; *Journal of Infection, J Infect.* 2009 Mar;58(3):227-31 (2.844)
27. Anne Böhmer, Verena Schildgen, Jessica Lüsebrink, Susanne Ziegler, Ramona L. Tillmann, Michael Kleines, and **Oliver Schildgen** (2009): Novel application for isothermal Nucleic Acid Sequence Based Amplification (NASBA); *Journal of Virological Methods* 158 199–201 (1.933)
28. Andreas Müller, Arne Simon, Julia Gillen, Verena Schildgen, Ramona-Liza Tillmann, Karl Reiter, and **Oliver Schildgen** (2009): Polyomaviruses KI and WU in children with respiratory tract infection; *Archives of Virology*, 154(10):1605-8 (2.020)
29. **Oliver Schildgen**, Cynthia Olotu, Anneke Funk, Bernhard Zöllner, Martin Helm, Jürgen Kurt Rockstroh, and Hüseyin Sirma (2010): Selection and counterselection of the adefovir resistance mutation rti233V during antiviral therapy; *Journal of Clinical Microbiology*, 48(2):631-4 (3.945)
30. Verena Schildgen, Jessica Lüsebrink, Vanessa Ditt, Ramona Tillmann, Arne Simon, Andreas Müller, and **Oliver Schildgen** (2010): Human HepG2 cells support RSV and HMPV replication; *Journal of Virological Methods*, 163(1):74-81 (2.077)
31. Jessica Lüsebrink, Christoph Wiese, Anne Thiel, Ramona-Liza Tillmann, Vanessa Ditt, Andreas Müller, **Oliver Schildgen**, and Verena Schildgen (2010): High seroprevalence of neutralizing capacity against human Metapneumovirus in all age groups, Bonn, Germany; *Clinical and Vaccine Immunology*, 17(3):481-4 (2.237)
32. Verena Schildgen, Jessica Lüsebrink, Vanessa Ditt, Ramona Tillmann, Arne Simon, Andreas Müller, **Oliver Schildgen** (2010): Studies on the natural course of RSV-, HMPV- and RSV/HMPV-double infections in children in an optimized animal model; *Advances in Biomedical Research*, 106-121; ISSN 1790-5125; ISBN 978-960-474-164-9
33. Jens M. Poth, Christoph Coch, Nicolas Busch, Olaf Boehm, Martin Schlee, Markus Janke, **Oliver Schildgen**, Winfried Barchet, Gunther Hartmann (2010): Monocyte-mediated inhibition of TLR9 dependent IFN- $\alpha$  induction in plasmacytoid dendritic cells questions bacterial DNA as the active ingredient of bacterial lysates; *Journal of Immunology*, 185 (12), 7367-73, 10.4049/jimmunol.1001798 (5.646)
34. Sastre P, Cusi MG, Manoha C, **Schildgen O**, Ruiz T, Vela C, Rueda P (2010). Serum antibody response to respiratory syncytial virus F and N proteins in two populations at high risk of infection: children and elderly. *J Virol Methods*, 168(1-2):170-6. (1.933)
35. Vanessa Ditt, Jessica Lüsebrink, Ramona Liza Tillmann, Verena Schildgen, and **Oliver Schildgen** (2011): Respiratory infections by HMPV and RSV are clinically indistinguishable but induce different host response in aged individuals; *PLoS One*, 6(1):e16314 (4.351)
36. Jessica Lüsebrink, Verena Schildgen, Ramona-Liza Tillmann, Felix Wittleben, Anne Böhmer, Andreas Müller, and **Oliver Schildgen** (2011): Detection of Head-to-Tail DNA sequences of human bocavirus in 1 clinical samples; *PLoS One*, 4;6(5):e19457, DOI: 10.1371/journal.pone.0019457 (4.351)
37. Krzysztof Pyrc, Paulina Strzyz, Aleksandra Milewska, Anna Golda, **Oliver Schildgen**, Jan Potempa (2011): *Porphyromonas gingivalis* enzymes enhance infection with human metapneumovirus in vitro; *J. Gen. Virol.*, 92(Pt 10):2324-32 (3.260)

38. Magali Darniot, Verena Schildgen, **Oliver Schildgen**, Brian Sproat, Michael Kleines, Vanessa Ditt, Cécile Pitoiset, Pierre Pothier, Catherine Manoha (2012): RNA Interference *in vitro* and *in vivo* using DsiRNA targeting the nucleocapsid N mRNA of Human metapneumovirus; *Antiviral Therapy*, 93:364-373 **(4.439)**
39. Patricia Sastre, Tamara Ruiz, Oliver Schildgen, Verena Schildgen, Carmen Vela and Paloma Rueda (2012) Seroprevalence of human respiratory syncytial virus and human metapneumovirus in healthy population analyzed by recombinant fusion protein-based enzyme linked immunosorbent assay. *Virology Journal*, 9:130. doi: 10.1186/1743-422X-9-130 **(2.55)**
40. Aylin Aydiner, Jessica Lüsebrink, Verena Schildgen, Ingo Winterfeld, Oliver Knüver, Katja Schwarz, Sabine Messler, Oliver Schildgen, Frauke Mattner (2012): Comparison of two commercial PCR methods for methicillin-resistant *Staphylococcus aureus* (MRSA) screening in a tertiary care hospital. *PLoS One*, 7(9):e43935. doi: 10.1371/journal.pone.0043935 **(4.351)**
41. Verena Schildgen, Jessica Lüsebrink, Jan David Appel, Christine Wübben, Walburga Engel-Riedel, Corinna Ludwig, Erich Stoelben, Oliver Schildgen, and Michael Brockmann (2013): Identification of uncommon PIK3CA-mutations in lung cancer by using pyrosequencing, *Diag Mol Pathol*, 22(1):22-7. doi: 10.1097/PDM.0b013e31825f5f93 **(2.219)**
42. Verena Schildgen, Carolin Schulz, Jessica Lüsebrink, Ramona-Liza Tillmann, Walburga Engel-Riedel, Erich Stoelben, **Oliver Schildgen**, and Michael Brockmann (2013): Combination of Pyrosequencing and Sangersequencing reveals alleged novel mutation in exon 18 of EGFR, *Personalized Medicine*, 10 (2), 201-209. **(1.528)**
43. Pascal Kahlau, Monika Malecki, Verena Schildgen, Christine Schulz, Ingo Winterfeld, Sabine Messler, Frauke Mattner, and Oliver Schildgen (2013): Utility of two novel multiplexing assays for the detection of gastrointestinal pathogens – a first experience, *Springer Plus*, 2:106 **(0.982)**
44. Verena Schildgen, Monika Malecki, Ramona-Liza Tillmann, Michael Brockmann, **Oliver Schildgen** (2013): The human bocavirus is associated with some lung and colorectal cancers and persists in solid tumors. *PLoS One*, 8(6):e68020 **(4.351)**
45. Verena Schildgen, Olga Pabst, Ramona-Liza Tillmann, Jessica Lüsebrink, **Oliver Schildgen**, Corinna Ludwig, Michael Brockmann, and Erich Stoelben (2015): Low frequency of EGFR mutations in Pleural Mesothelioma Patients, Cologne, Germany, *Appl Immunohistochem Mol Morphol*. 2015 Feb;23(2):118-125 **(2.257)**
46. **Oliver Schildgen** (2013): Pathogennachweis aus FFPE-Material. *trilliumdiagnostik* 11(3):168-9, Nachdruck im Sonderdruck ISSN-1310, 30-31, Februar 2014
47. Iwona Kapisch, Steffi Silling, Michael Brockmann, **Oliver Schildgen**, Ramona-Liza Tillmann, and Verena Schildgen (2014): Comparison of molecular multiplex Assays for the detection of Human Papillomaviruses from clinical, gynaecological tissue samples. *Future Virology*, 9 (1), 21-26 (0.962)
48. Anna-Lena Hardt, Verena Schildgen, Ramona-Liza Tillmann, Michael Brockmann, and **Oliver Schildgen** (2014): Utility of the QIAGEN *artus* PCR assays and Meningofinder for the detection of human herpes virus genomes in formalin fixed paraffin embedded clinical samples *Future Virology*, 9 (3), 241-2 (0.962)
49. Verena Schildgen, Stephanie Mai, Soumaya Khalfaoui, Jessica Lüsebrink, Monika Pieper, Ramona Liza Tillmann, Michael Brockmann, and **Oliver Schildgen** (2014): Pneumocystis jirovecii can be productively cultured in differentiated CuFi-8 airway cells. *mBio®*, Volume 5 Issue 3 e01186-14 (6.875)
50. Jaspreet Kaur, Verena Schildgen, Ramona-Liza Tillmann, Anna-Lena Hardt, Jessica Lüsebrink, Wolfram Windisch, and **Oliver Schildgen** (2014): Low copy number detection of HBoV DNA in BAL of asymptomatic adult patients. *Future Virology*, 9 (8): 715-720 (1.000)

51. Damaris Kukuk & **Oliver Schildgen** (2015): Isolation of nascent DNA fragments from cells synchronously infected with HSV-1 reveals bidirectional initiation of replication at oriL. *Future Virology*, 10 (3): 211-219 (1.000)
52. H. Razuri, M. Malecki, Y. Tinoco, E. Ortiz; C. Guezala, C. Romero, A. Estela, P. Breña, M. L. Morales, E. Reaves, T. Uyeki, M.-A. Widdowson, E. Azziz-Baumgartner, D. Bausch, V. Schildgen, **O. Schildgen**, J. Montgomery (2015) Human Coronaviruses-associated Influenza-like Illness in the Community Setting in Peru. *American Journal of Tropical Medicine & Hygiene*; 93(5):1038-40 (2.736)
53. Soumaya Khalfaoui, Vivien Eichhorn, Christian Karagiannidis, Inga Bayh, Michael Brockmann, Monika Pieper, Wolfram Windisch, **Oliver Schildgen**, and Verena Schildgen (2016) Lung infection by human bocavirus induces the release of profibrotic mediator cytokines in vivo and in vitro. *PLOS ONE*, 11(1): e0147010. doi:10.1371/journal.pone.0147010 (3.234)
54. Verena Schildgen, Jessica Lüsebrink, **Oliver Schildgen**, Erich Stoelben, and Michael Brockmann (2016): Epidemiology of KRAS, BRAF, and EGFR mutations in lung cancer in a German tertiary hospital in patients with testing indication, *Personalized Medicine*, Vol. 13, No. 4, Pages 315-323 (IF 1.336)
55. W. Windisch, J. Lüsebrink, S. Khalfaoui, A. Prickartz, V. Schildgen, **Oliver Schildgen**, M. Brockmann (2016): Low titre *Pneumocystis jirovecii* infections: More than just colonization? *Journal of Fungi*, 2(2), 16; doi:10.3390/jof2020016 (IF:4.621)
56. **Oliver Schildgen** (2016): ATP Binding leads to autophosphorylation of HSV-1 Origin Binding Protein. *Molecular Genetics, Microbiology and Virology* 31(3): 168-177 (0.462)
57. Rüschoff J, Lebeau A, Kreipe H, Sinn P, Gerharz CD, Koch W, Morris S, Ammann J, Untch M; Nicht-interventionelle Untersuchung (NIU) HER2 Study Group (Ambrosius C-A. , Arndt N. , Baldus SE. , Berger I., Berghäuser K-H., Bittmann I., Blasius S., Bollmann R., Brockmann M., **Schildgen O.**, Bürrig K-F., Chmelar C., Decker T., Diergardt U., Dykgers A., Engers R., Falk S., Friedrich K., Gabriele D., Gaiser T., Gassel AM., Gerharz C-D., Haedicke W., Haroske G., Hartmann A., Hellwig K., Hinze R., Junker K., Kasper U., Klauschen F., Klosterhalfen B., Knöß P., Kreipe H., Kristiansen G., Krüger S., Kunze A., Lüders P., Neuber A., Niemann P., Niendorf A., Orth C., Ott G., Philippou S., Richter-Sadocco B., Röcken C., Rüschoff J., Sauter G., Schmitz J., Sen Gupta R., Sinn P., Staebler A., Tennstedt-Schenk C., Thorns C., Tiemann K., Turzynski A., Vollmer E., Weimann R., Wittersheim M.) (2017). Assessing HER2 testing quality in breast cancer: variables that influence HER2 positivity rate from a large, multicenter, observational study in Germany. *Mod Pathol.* 2017, 30(2):217-226. doi: 10.1038/modpathol.2016.164. (5.485)
58. Ke Zhang, Christian Bach Maria Neumann-Fraune, Yuchen Xia, Bastian Beggel, Rolf Kaiser, Verena Schildgen, Andrea Krämer, **Oliver Schildgen** and Ulrike Protzer (2017): Novel rtM204 Mutations in HBV Polymerase Confer Reduced Susceptibility to Adefovir and Tenofovir. *Antivir Antiretrovir* 2017, 9:1, DOI:http://dx.doi.org/10.4172/jaa.1000156 (0.19)
59. Merle Höpken, Markus Reitmajer, Steffi Silling, Steffen Maune, Michael Brockmann, **Oliver Schildgen** (2017): Novel DNA CHIP detects human papillomaviruses in tonsillar tumors, *Future Virology*, 12 (9), 513-518, https://doi.org/10.2217/fvl-2017-0053 (1.000)
60. Ilija Nenadić, Jeanine Staber, Susanne Dreier, Guus Simons, Verena Schildgen, Michael Brockmann, and **Oliver Schildgen** (2017): Cost saving opportunities in NSCLC therapy by optimized diagnostics. *Cancers*, 9(7). pii: E88. doi: 10.3390/cancers9070088 (IF:5.326)
61. Judith Mletzko and **Oliver Schildgen** (2017): Absence of Zika Virus in Abort and Placental Tissue in a German Cohort; *Reviews in Medical Microbiology*, 29(1):17-19
62. Jan Kehrmann, Birgyl Veckollari, Dirk Schmidt, Verena Schildgen, Oliver Schildgen, Nikolas Wagner, Michael Zeschnigk, Ludger Klein-Hitpass, Oliver Witzke, Jan Buer, Joerg Steinmann (2017): The lung microbiome in patients with pneumocystosis. *BMC Pulmonary Medicine*, 17(1):170. doi: 10.1186/s12890-017-0512-5 (IF: 2.435)

63. Bergmann, Thorsten; Ehrke-Schulz, Eric; Gao, Jian; Schiwon, Maren; Schildgen, Verena; David, Stephan; Schildgen, Oliver; Ehrhardt, Anja (2018): Designer nuclease-mediated gene correction via homology-directed repair in an in vitro model of canine hemophilia B. *Journal of Gene Medicine*, 2018, 20(5):e3020. doi: 10.1002/jgm.3020. (IF: 2.524)
64. Jessica Lüsebrink, Monika Pieper, Ramona-Liza Tillmann, Michael Brockmann, Oliver Schildgen, Verena Schildgen (2018): Pre-Clinical Validation of a Next Generation Sequencing Testing Panel; *Experimental and Molecular Pathology*, 104:170-174 (IF: 2.423)
65. Isabel Förster, Michael Brockmann, Oliver Schildgen, Verena Schildgen (2018): Microsatellite instability testing in colorectal cancer using the QiaXcel advanced platform. *BMC Cancer*, 18(1):484. doi: 10.1186/s12885-018-4400-z (IF: 3.288)
66. Jessica Lüsebrink, Monika Pieper, Ramona-Liza Tillmann, Michael Brockmann, **Oliver Schildgen**, Verena Schildgen (2018): Detailed overview on the mutations detected by and the sensitivity of the GeneReader NGS sequencing platform. *Data in Brief*, 18:1962-1966. doi: 10.1016/j.dib.2018.04.114. eCollection 2018 (IF:1.43)
67. Cara Mia Dunaiski, Lena Janssen, Hannah Erzinger, Monika Pieper, Sarah Damaschek, **Oliver Schildgen**, and Verena Schildgen (2018): Inter-Specimen Imbalance of Mitochondrial Gene Copy Numbers Predicts Clustering of *Pneumocystis jirovecii* Isolates in Distinct Subgroups *J. Fungi* 2018, 4(3), 84; <https://doi.org/10.3390/jof4030084> (IF: 5.816)
68. Michael Brockmann, Verena Schildgen, Oliver Schildgen, Jessica Lüsebrink, Monika Pieper, Alexandru Gudima (2018): NGS-dataset of putative driver mutations associated with benign peritoneal strumosis; *Data in Brief*, 20 (10), October 2018, Pages 468-470
69. Max Hanssen, Michael Brockmann, Verena Schildgen, **Oliver Schildgen** (2019): Human bocavirus is detected in human placenta and aborted tissues. *Influenza and other Respiratory Viruses*, 13:106–109 (IF:2.677)
70. Merle Höpken, Isabel Förster, Steffen Maune, Michael Brockmann, Oliver Schildgen, Verena Schildgen Association of the human bocavirus with tonsil squamous cell carcinomas; *Frontiers in Microbiology*, section Virology Article type: Original Research, Manuscript ID: 410715, Volume 9, Article 2450, <https://doi.org/10.3389/fmicb.2018.02450> (IF:4.019)
71. Verena Schildgen, Monika Pieper, Soumaya Khalfaoui, Wolfgang Arnold, Oliver Schildgen (2018): Human bocavirus infection of permanent cells differentiated to air-liquid interface cultures activates transcription of pathways involved in tumorigenesis; *Cancers* 2018, 10, 410; doi:10.3390/cancers10110410 (IF: 5.326)
72. Oliver Schildgen; Sascha Gräper; Johannes Blümel; Manuel Külshammer; Bertfried Matz (2019): Temperature-sensitive origin-binding protein as a tool for investigations of herpes simplex virus activities in vivo; *Journal of General Virology*, 100(1):105-117. doi: 10.1099/jgv.0.001184 (IF: 2.514)
73. Julia Fakhiri, Marc Schneider, Jens Puschhof, Megan Stanifer, Verena Schildgen, Stefan Holderbach, Yannik Voss, Jihad El Andari, Oliver Schildgen, Steeve Boulant, Michael Meister, h clevers, Ziyang Yan, Jianming qiu, and Dirk Grimm (2019): Novel chimeric gene therapy vectors based on Adeno-associated virus (AAV) and four different mammalian bocaviruses (BoV). *Molecular Therapy - Methods & Clinical Development*, 12:202-222. doi: 10.1016/j.omtm.2019.01.003 (IF: 3.681)
74. Florian Böhm, **Oliver Schildgen**, Michael Brockmann, and Verena Schildgen (2021): Evidence for association of human bocavirus persistence with Morbus Crohn and Ulcerative colitis. *Molecular Genetics, Microbiology and Virology*, 36, 53–55 (IF: 0.333)

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76. Verena Schildgen, Mathias Warm, Michael Brockmann, **Oliver Schildgen** (2020): Oncotype DX Breast Cancer recurrence score resists inter-assay reproducibility with RT<sup>2</sup>-Profiler Multiplex RT-PCR; *Scientific Reports, Sci Rep.* 2019 Dec 30;9(1):20266. doi: 10.1038/s41598-019-56910-0 (IF: 4.122)
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79. Michael Dutescu, Peter Banasik, **Oliver Schildgen**, Norbert Schrage, Daniel Uthoff (2020): Detection of coronavirus in tear samples of hospitalized patients with confirmed SARS-CoV-2 from oropharyngeal swabs, *Cornea*, 40(3):348-350. doi: 10.1097/ICO.0000000000002562 (IF: 3.152)
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81. Vanessa Vedder, Verena Schildgen, Jessica Lüsebrink, Ramona-Liza-Tillmann, Birgitta Domscheit, Wolfram Windisch, Christian Karagiannidis, Michael Brockmann, and Oliver Schildgen (2021): Differential cytology profiles in bronchoalveolar lavage (BAL) in COVID-19 patients: A descriptive observation and comparison with other corona viruses, Influenza virus, Haemophilus influenzae, and Pneumocystis jirovecii; *Medicine*, 100(1):e24256. doi: 10.1097/MD.00000000000024256 (1.817)
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84. Johannes Wanney, Jessica Lüsebrink, Gina Spölggen, Sabrina Demuth, Verena Schildgen, and Oliver Schildgen (2022): Direct comparison of Altona-SARS-CoV-2 dual target RT-qPCR assay with commercial LAMP assay using throat washes in health care staff testing, *Journal of Clinical Virology Plus*, <https://doi.org/10.1016/j.jcvp.2022.100088> (14.481)



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86. Swen Soldwedel, Sabrina Demuth, and Oliver Schildgen (2024): T84 monolayer cell cultures support productive HBoV and HSV-1 replication and enable in vitro co-infection studies; *Viruses*, May 13;16(5):773. doi: 10.3390/v16050773 (4.7)
87. Jon Salmanton-García, Michaela Simon, Andreas H Groll, Oliver Kurzai, Tobias Lahmer, Thomas Lehrnbecher, Maria Schroeder, Oliver A Cornely, Jannik Stemler plus collaborators Peter Abel, Alexander Halfmann, Alexander Link, Andreas Zautner, Anja Berger, Anna Dudakova, Anna Goer, Annika Schmidt, Armin Hoffmann, Antonia Sassmann-Schweda, Axel Hamprecht, Beniam Ghebremedhin, Benigno Florido Prados, Bernhard Zöllner, Christian Haas, Christina Bahrs, Claudia Crowell, Karl Dichtl, Elena Busch, Elham Khatamzas, Enrico Schalk, Felix Goeser, Helmut Fickenscher, Johannes Forster, Franziska Ebeling, Frieder Fuchs, Frieder Schaumburg, Fuat Saner, Gerhard Haase, Gregor Paul, Lior Haftel, Janina Hammer, Hans Martin Orth, Helmut Ostermann, Helmut Schweiger, Herbert Hof, Claus Peter Heußel, Ioana Diana Olaru, Janina Trauth, Jochen Brasch, Joerg Steinmann, Jürgen Bohnert, Jürgen Held, Jürgen Rödel, Juliane Brandt, Karsten Becker, Kathrin Oldenburg, Kerstin Arndt, Khalid Shoumariyeh, Martina Kerwat, Michael Krakau, Leander Köpnick, Lukas Eberwein, Lutz von Müller, Maximilian Desole, Marlis Gerigk, Martha Oberschelp, Martina Furitsch, Martina Teichmann, Matthias Vöhringer, Meinolf Karthaus, Melanie Eisele, Micha Lobermann, Michael Kiehl, Michael Schmid, Modar Saleh, Mohamed Karam Douedari, Ernst Molitor, Marc Stadler, Nadine Dietze, Nael Alakel, Norman Lippmann, Philipp Koehler, Peter Rath, Susanne Elsner, Sabrina Klein, Sandra Gräber, **Oliver Schildgen**, Britt Schwenz, Ludwig Sedlacek, Soeren Becker, Jan Springer, Stefan Büttner, Stefan Glöckner, Stefan Schwartz, Stefanie Sammet, Susann Rößler, Susanne Hauswaldt, Tatjana Buchberger, Thomas Harrer, Timo Schmitt, Christoph Wyen, Sabine Ehrlich, Sebastian Grund, Walter Geißdörfer, Wolfgang Rabsch (2024): Insights into invasive fungal infection diagnostic and treatment capacities in tertiary care centres of Germany. *JAC-Antimicrobial Resistance*, Volume 6, Issue 3, June 2024, dlae083, <https://doi.org/10.1093/jacamr/dlae083> (3.7)

## B. Case Reports:

### Berfore „Habilitation“:

1. **Oliver Schildgen**, Thomas Glatzel, Tilman Geikowski, Bärbel Scheibner, Arne Simon, Lutz Bindl, Mark Born, Sergei Viazov, Anja Wilkesmann, Gisela Knöpfle, Michael Roggendorf, and Bertfried Matz (2005): Human Metapneumovirus RNA in Encephalitis Patient; *Emerging Infectious Diseases*, 11 (3), 467-70 (**5.643**)
2. **Oliver Schildgen**, Heinz Hartmann, and Wolfram H. Gerlich (2006): Replacement of Tenofovir by Adefovir results in reactivation of HBV replication; *Scandinavian Journal of Gastroenterology*, 41(2):245-6 (**1.824**)
3. **Oliver Schildgen**, Martin Helm, Wolfram H. Gerlich (2006): Nonresponse to Adefovir: Host or Virus dependent?, *Journal of Clinical Virology*, 37(4): 327-8 (**2.623**)
4. Bernd Kupfer, Jörg Vehreschild, Oliver Cornely, Rolf Kaiser, Gerhard Plum, Sergei Viazov, Caspar Franzen, Ramona-Liza Tillmann, Arne Simon, Andreas Müller, and **Oliver Schildgen** (2006): Severe pneumonia and human bocavirus in adult.; *Emerging Infectious Diseases*, 12(10): 1614-1616 (**5.308**)

### After “Habilitation”:

5. Andreas Müller, Bernd Kupfer, Jörg Vehreschild, Oliver Cornely, Rolf Kaiser, Harald Seifert, Sergei Viazov, Ramona Liza Tillmann, Caspar Franzen, Arne Simon, and **Oliver Schildgen** (2007): Fatal pneumonia associated with human metapneumovirus (HMPV) in a patient with myeloid leukemia and adenocarcinoma in the lung; *European Journal of Medical Research*, 12(4):183-4 (**0.944**)
6. Arne Simon, Peter Groneck, Bernd Kupfer, Rolf Kaiser, Gerhard Plum, Ramona-Liza Tillmann, Andreas Müller, and **Oliver Schildgen** (2007): Detection of bocavirus DNA in bronchoalveolar lavage of a child with severe bronchiolitis; *Journal of Infection*, 54(3):e125-7 (**1.882**)
7. Bernd Kupfer, Arne Simon, Christine Monceyron Jonassen, Sergei Viazov, Vanessa Ditt, Ramona-Liza Tillmann, Andreas Müller, Bertfried Matz, and **Oliver Schildgen** (2007): Two cases of severe obstructive pneumonia associated with an HKU1-like coronavirus; *European Journal of Medical Research*, 12(3): 134-138 (**0.944**)
8. Arne Simon, Sebastian Völz, Alexandra Kehl, Ramona Tillman, Andreas Müller, Michael J. Lentze, Udo Bode, **Oliver Schildgen** (2007): Acute Life Threatening Event (ALTE) in an infant with human Coronavirus HCoV-229E infection; in press, *Pediatric Pulmonology*, 42(4): 393-6 (**1.589**)
9. Arne Simon, Sebastian Völz, Gudrun Fleischhack, Ramona Tillman, Andreas Müller, Udo Bode, **Oliver Schildgen** (2007): Human coronavirus OC43 pneumonia in a pediatric cancer patient with Down’s syndrome and acute lymphoblastic leukemia; *Pediatr Hematol Oncol*, 29(6):432-4 (**1.282**)
10. Esther Voigt, Ramona Liza Tillmann, Jens-Christian Schewe, Ernst Molitor & **Oliver Schildgen** (2008): ARDS in an HIV-positive patient associated to Respiratory Syncytial Virus, *European Journal of Medical Research*, *Eur J Med Res*, 13(3):131-2 (**1.046**)
11. Verena Schildgen, Susanne Ziegler, Ramona L. Tillmann, **Oliver Schildgen** (2010): Novel mutation in YMDD motif and direct neighbourhood in a child with chronic HBV-infection and clinical lamivudine and adefovir resistance - a scholarly case. *Virology Journal* 2010, 7:167doi:10.1186/1743-422X-7-167 (**2.44**)
12. Knud Schewe, Christian Noah, Hüseyin Sirma, Stefan Schmiedel, Jan van Lunzen, Jürgen Kurt Rockstroh, and **Oliver Schildgen** (2010): Is there Emergence of Clinical HBV Resistance Under Long-Term HBV Combination Therapy? A Challenging Case Report; *Viruses* 2010, 2, 1564-1570; doi:10.3390/v2081564 (**1.000**)
13. Monika Streiter, Monika Malecki, Aram Prokop, Verena Schildgen, Jessica Lüsebrink, Andreas Guggemos, Matthias Wißkirchen, Michael Weiß, Reinhold Cremer, Michael Brockmann, and **Oliver Schildgen** (2011): Does human bocavirus infection depend on helper viruses? A challenging case report; *Virology Journal*, 8:417 (**2.55**)
14. Robert Körner, Maria Söderlund-Venermo, Silke van Königsbruggen-Rietschel, Rolf Kaiser, Monika Malecki, **Oliver Schildgen** (2011): Severe pneumonia in an infant caused by the human bocavirus, Cologne, Germany, *Emerging Infectious Diseases*, 17 (12), 2303-5 (**6.859**)
15. Verena Schildgen, Vincenza Lochi, Jessica Lüsebrink, Michael Brockmann, and **Oliver Schildgen** (2012): Epidemiology of EML4-ALK translocations in a small German NSCLC patient cohort. *Personalized Medicine*, 9:8, 801-803 (**1.528**)
16. Wolfram Windisch, Verena Schildgen, Monika Malecki, Johannes Lenz, Michael Brockmann, Christian Karagiannidis, **Oliver Schildgen** (2013): Detection of HBoV DNA in idiopathic lung fibrosis, Cologne, Germany. *Journal of Clinical Virology*, 58 325– 327 (**3.969**)
17. Jessica Jürgens, Walburga Engel-Riedel Alexander Prickartz Corinna Ludwig, **Oliver Schildgen**, Ramona-Liza Tillmann, Erich Stoelben, Michael Brockmann, and Verena Schildgen (2013): Combined point mutation in KRAS or EGFR genes and EML4-ALK translocation in lung cancer patients, *Future Oncology*, 10 (4), 529-532 (**3.202**)

18. Dennis Klinkenberg, Martin Blohm, Marina Hoehne, Andreas Mas Marques, Monika Malecki, Verena Schildgen, Reinhard Schneppenheim, Ingo Müller, **Oliver Schildgen**, and Robin Kobbe (2015): Risk of rotavirus vaccination for children with SCID. *Ped. Infect. Dis. J.*, 34 (1):114-5 (3.569)
19. Jessica Lüsebrink, Xuemeng Li, Maria Söderlund-Venermo, Klaus Hedman, Michael Brockmann, Soumaya Khalfaoui, Verena Schildgen, Oliver Schildgen, and Wolfram Windisch (2014): HBoV-1 in pleura of adult patient, Cologne, Germany; *Journal of Medical Microbiology Case Reports*, doi:10.1099/jmmcr.0.003657 (2.266)
20. Beate Schmidt, Eckhard Korsch, **Oliver Schildgen**, Verena Schildgen, Michael Brockmann, Michael Weiß (2015): Enterovirus-associated supraventricular reentry tachycardia and hepatitis- a benign course in a three-month-old female. *Journal of Medical Microbiology Case Reports*, 2015 2. doi: [10.1099/jmmcr.0.000050](https://doi.org/10.1099/jmmcr.0.000050) (2.266)
21. Michael Krakau, Michael Brockmann, Bärbel Titius, Christina Limmroth, Soumaya Khalfaoui, Verena Schildgen, Arno Dormann, and **Oliver Schildgen** (2015) Acute human bocavirus infection in MDS patient, Cologne, Germany; *Journal of Clinical Virology*, 69:44-7 (3.466)
22. Michael Krakau, Kathrin Gerbershagen, Ulrich Frost, Markus Hinzke, Michael Brockmann, Verena Schildgen, Axel Goßmann, Volker Limmroth, Arno Dormann, and Oliver Schildgen (2015): Case Report: Human bocavirus associated pneumonia as cause of acute injury, Cologne, Germany. *Medicine*, 94(42):e1587 (5.723)
23. Eckhard Korsch, Monika Pieper, Verena Schildgen, **Oliver Schildgen**, and Michael Brockmann (2015): Unusual Rash accompanied by Enterovirus infection and HBoV co-infection in 9 week old infant, Cologne, Germany. *Journal of Medical Microbiology Case Reports*, DOI 10.1099/jmmcr.0.005012 (2.266)
24. Eckhard Korsch, Michael Weiß, Monika Pieper, Verena Schildgen, **Oliver Schildgen**, Michael Brockmann (2016): A case of suspected *E. coli* associated meningitis accompanied by HBoV detection in the cerebrospinal fluid of a 13-day-old newborn. *Reviews in Medical Microbiology*, Volume 27 - Issue 2 - p 72–74, doi: 10.1097/MRM.0000000000000070
25. Jessica Jürgens, Walburga Engel-Riedel, Erich Stoelben, Verena Schildgen, Oliver Schildgen, Michael Brockmann (2016): The (con-) fusion in ALK diagnostics: when FDA approved algorithms fail. *Journ. Clin. Ocol.*, 34(16):1961-2. doi: 10.1200/JCO.2015.65.4871 (18.443)
26. Wolfram Windisch, Monika Pieper, Inga Ziemele, Jürgen Rockstroh, Michael Brockmann, **Oliver Schildgen**, Verena Schildgen (2016): Latent infection of Human Bocavirus accompanied by flare of chronic cough, fatigue, and episodes of viral replication in an immunocompetent adult patient, Cologne, Germany *Journal of Medical Microbiology Case Reports*, 2016 3. doi: 10.1099/jmmcr.0.005052 (2.266)
27. Doris Dieninghoff, Christian Karagiannidis, Stephan Straßmann, Monika Pieper, Sarah Damaschek, Joseph Zabner, Aloysius Klingelutz, Wolfram Windisch, Michael Brockmann, Oliver Schildgen, and Verena Schildgen (2017): Fatal HBoV-1 infection in adult female cystic fibrosis patient, Cologne, Germany. *Human Pathology Case Reports*, 7, 51-52 (2.791)
28. Wolfram Windisch, Axel Meissner, Axel Goßmann, Michael Brockmann, Verena Schildgen, and Oliver Schildgen (2017): Pneumocystis jirovecii induced chronic interstitial lung disease in Waldenström's macroglobulinemia, *Future Microbiology*, 12:307-313. doi: 10.2217/fmb-2016-0188 (3.673)
29. Matthias Obenaus, Oliver Schildgen, Dirk Schürmann, Ann-Christin von Brünneck, Martin Janz, Ulrich Keller, Bernhard Gebauer, Johannes Schilling, Stefan Schwartz, Benedikt Weissbrich, Thomas Schneider, Jörg Hofmann, Stephan Mathas (2021) High-dose glucocorticoid treatment of near-fatal Bocavirus lung infection results in rapid recovery; *ERJ Open Research*, 7(2):00060-2021. doi: 10.1183/23120541.00060-2021 (4.239)

30. Amin Elfanish, Katharina Tuschen, Johanna Anders, Lars Neumann, Andreas F Wendel, Michael Brockmann, Christian Karagiannidis, Jessica Lüsebrink, Verena Schildgen, **Oliver Schildgen**, and Alexander Weidemann (2021): The diagnostic dilemma and the treatment approach of COVID-19 pneumonia in a kidney transplant patient: A case report, *Medicine: Case Reports and Study Protocols*, Issue 4 - p e0097, doi: 10.1097/MD9.0000000000000097 (1.817)
31. Katharina Tuschen, Johanna Anders, Amin Elfanish, Verena Schildgen, Oliver Schildgen, Jan-Ulrich Becker, Alexander Weidemann (2021): Renal Transplantation After Recovery From COVID-19 - A Case Report with Implications For Transplant Programs In The Face Of The Ongoing Corona-Pandemic; *BMC Nephrology*, 22(1):251. doi: 10.1186/s12882-021-02448-1 (2.585)
32. Wolfram Windisch, Michael Brockmann, Sabrina Demuth, Jessica Lüsebrink, Verena Schildgen, and Oliver Schildgen (2022): Second infection with SARS-CoV-2 wild-type is associated with increased disease burden after primary SARS-CoV-2/HBoV-1 coinfection, Cologne, Germany; *Access Microbiology*, 06 April 2022 <https://doi.org/10.1099/acmi.0.000339>

## C. Reviews

### Before “Habilitation”:

1. **Oliver Schildgen**, Arne Simon, Anja Wilkesmann, John Williams, Anna-Maria Eis-Hübinger, Bernd Kupfer, Michael Roggendorf, and Sergei Viazov (2006): The human metapneumovirus (hMPV): biology, epidemiological features, and clinical characteristics of infection; *Reviews in Medical Microbiology*, 17(1):11-25 (**0.897**)
2. Arne Simon & **Oliver Schildgen** (2006): Antimicrobial Therapy in Childhood Asthma and Wheezing; *Treatments in Respiratory Medicine*, 5(4):255-69.

### After “Habilitation”:

3. Anja Wilkesmann\*, **Oliver Schildgen\***, Anna Maria Eis-Hübinger, Michael J. Lentze, Udo Bode, Arne Simon (2007): Das humane Metapneumovirus als Erreger von Atemwegsinfektionen bei hospitalisierten Kindern – eine Übersicht; *Klinische Pädiatrie*, 219(2):58-65, (\*these authors contributed equally) (**0.615**)
4. Sebastian Völz\*, **Oliver Schildgen\***, Andreas Müller, Ramona L. Tillmann, Anna-Marie Eis-Hübinger, Bernd Kupfer, Udo Bode, Michael L. Lentze und Arne Simon (2007): Das humane Bocavirus (HBoV) als Erreger von Atemwegsinfektionen bei hospitalisierten Kindern – eine Übersicht; *Deutsche Medizinische Wochenschrift*, 132(28-29):1529-33 (\*these authors contributed equally) (**0.584**)
5. **Oliver Schildgen**, Arne Simon, and John Williams (2007): Animal Models for HMPV Infections; *Veterinary Research* 2007, 38(1):117-126 (**2.324**)
6. **Oliver Schildgen**, Florian van Bömmel, Jürgen K. Rockstroh (2007): Current and future therapies for chronic HBV-infections; *Invited Review, Reviews in Medical Microbiology*, 18 (4), 79-88 (**0.897**)
7. **Oliver Schildgen (2007)**: Neu entdeckte Atemwegsviren- Epidemiologie und klinische Relevanz; *Die Medizinische Welt*, 58 (12): 639-642
8. L.A.Mazhul, **O.Schildgen**, E.I.Isayeva, S.O.Viazov (2007): “New” viruses: human metapneumovirus infection as an important cause of respiratory tract’s diseases, *Voprosy Virusologii [Problems in Virology]*, 52(3):4-8
9. **Oliver Schildgen**, Andreas Müller, Tobias Allander, Ian M. Mackay, Sebastian Völz, Bernd Kupfer, Arne Simon (2008): Human bocavirus (HBoV): Passenger or pathogen in acute respiratory tract infections? *Clinical Microbiology Reviews*, 21(2):291-304 (**15.764**)

10. **Oliver Schildgen**, Friedhelm Schuster, and Arne Simon (2008): Viral infections in children with cancer; *Arch Dis Child*, 93(10):880-9 **(2.090)**
11. **Oliver Schildgen** (2008): Schwere und letale Atemwegsinfektionen durch neuentdeckte Viren bei Hochrisikopatienten; *Chemotherapie Journal*, 17 (5), 194-196
12. Jessica Lüsebrink, Felix Wittleben, Verena Schildgen and **Oliver Schildgen** (2009): *Review: Human Bocavirus – Insights in a Newly Identified Respiratory Virus*; *Viruses* **2009**, 1(1), 3-12; doi:10.3390/v1010003 **(1.000)**
13. Vanessa Ditt & **Oliver Schildgen** (2009): Severe acute respiratory syndrome-coronavirus and human coronavirus-NL63: an updated overview; *Reviews in Medical Microbiology*, 20(2):19-28 **(0.75)**
14. Felix Wittleben, Jessica Lüsebrink, Verena Schildgen & **Oliver Schildgen** (2009): Association of a new bocavirus with human respiratory tract infections; *Reviews in Medical Microbiology*, 20(2):29-32 **(0.75)**
15. Jessica Lüsebrink, Verena Schildgen, **Oliver Schildgen** (2009): Novel therapies for an old virus: treatment of RSV infections in the 21st Century; *Expert Reviews in Anti-Infective Therapy*; 7(9):1125-9 **(3.218)**
16. **Oliver Schildgen** (2011): Host factors may influence response to antiviral therapy in chronic Hepatitis B Virus Infections, *Medical Hypothesis*, 76(3):417-20 **(1.393)**
17. Monika Malecki, Verena Schildgen, and **Oliver Schildgen** (2011): Invited Review: The human bocavirus: Still more questions than answers. *Future Virology*, 6(9), 1107-1114 **(1.200)**
18. Verena Schildgen, Bernadette van den Hoogen, Ron Fouchier, Ralph A. Tripp, Rene Alvarez, Catherine Manoha, John Williams, and **Oliver Schildgen** (2011): Human Metapneumovirus: Lessons learned over the first decade. *Clinical Microbiology Reviews*, 24(4):734-54 **(13.5)**
19. **Oliver Schildgen**, Jianming Qiu, Maria Söderlund-Venermo (2012): Genomic features of human bocavirus. *Future Virology*, 7 (1), 31-39 (1.200)
20. Jessica Lüsebrink & **Oliver Schildgen** (2012): Proceedings in hMPV vaccine and treatment development. *Reviews in Medical Microbiology*, *REVIEWS IN MEDICAL MICROBIOLOGY*, 23 (2), 23-28, DOI: 10.1097/MRM.0b013e3283530823 (0.545)
21. Monika Malecki, Frauke Mattner & **Oliver Schildgen** (2012): Short Review: Molecular diagnosis of E.coli O104:H4. *REVIEWS IN MEDICAL MICROBIOLOGY*, 23 (2), 14-17, DOI: 10.1097/MRM.0b013e3283530839 (0.545)
22. Aylin Aydinler, Jessica Lüsebrink, **Oliver Schildgen** & Frauke Mattner (2012): Methicillin-resistant *Staphylococcus aureus* (MRSA) update: resistance genes and their influence on the detection of MRSA for screening purposes. *Reviews in Medical Microbiology*, 23 (3), 29-44 (0.545)
23. Monika Malecki & Oliver Schildgen (2013): Current status of EHEC and norovirus diagnostics. *Hospital Healthcare Europe*, 181-184
24. Oliver Schildgen (2013): Das humane Bocavirus – Mehr als nur ein „blinder Passagier“ bei Atemwegsinfektionen? *Der Mikrobiologe*, 23, 1-4
25. Oliver Schildgen (2013): The human bocavirus: Lessons learned so far. *Pathogens*, 2(1), 1-12; doi:[10.3390/pathogens2010001](https://doi.org/10.3390/pathogens2010001)
26. Oliver Schildgen (2013): Erforschung und Versorgung von Atemwegserkrankungen – Potenziale der molekularbiologischen Diagnostik. *Diagnostik im Gespräch*, 1/2013, S. 3

27. Oliver Schildgen (2013): Effiziente molekularbiologische Diagnostik bei Atemwegserkrankungen, Management und Krankenhaus, 5/2013, 26
28. Arne Simon, Catherine Manoha, Andreas Müller, and Oliver Schildgen (2014): Human Metapneumovirus and its role in Childhood respiratory infections. Current Pediatrics Reports, DOI 10.1007/s40124-014-0048-6, 2 (3), 156-165
29. Verena Schildgen, Soumaya Khalfaoui, Oliver Schildgen (2014): The human Bocavirus – from common cold to cancer? Speculations on the importance of an episomal genomic form of HBoV. Reviews in Medical Microbiology, 25(4):113-118 (0.545)
30. Verena Schildgen and Oliver Schildgen (2014): Kanzerogen oder potentielles Krebstherapeutikum? Management und Krankenhaus, 7/2014, 23
31. T. Plönes, W. Engel-Riedel, E. Stoelben, C. Limmroth, O. Schildgen, V. Schildgen (2016): Molecular pathology and personalized medicine: The dawn of a new era in companion diagnostics - Considerations for developing companion diagnostics for malignant diseases of the lung; Journal of Personalized Medicine, 6(1). pii: E3. doi: 10.3390/jpm6010003
32. Verena Schildgen, Ilija Nenadic, Michael Brockmann, Oliver Schildgen (2017): Concept Paper: Diagnostics for targeted NSCLC Therapy; Challenges, 8(2), 29; doi:[10.3390/challe8020029](https://doi.org/10.3390/challe8020029)
33. Verena Schildgen and Oliver Schildgen (2018): The lonely driver or the orchestra of mutations? How next generation sequencing datasets contradict the concept of single driver checkpoint mutations in solid tumors – NSCLC as a scholarly example. Seminars in Cancer Biology, 58:22-28. doi: 10.1016/j.semcancer.2018.11.005 (10.198)

## D. Letters and Correspondence (all with peer review)

### Before “Habilitation”:

1. **Oliver Schildgen** & Arne Simon (2005): Acute otitis media and HMPV; Letter, The Pediatric Infectious Disease Journal, 24(12):1126 **(3.047)**
2. **Oliver Schildgen**, Anja Wilkesmann, Arne Simon (2006): Wheezing in patients with HMPV infection; Journal of Allergy and Clinical Immunology, 117(1):223 **(7.205)**
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## E. Contributions to Multicenter Studies

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## **F. Contributions to Conferences (Posters and Talks):**

### **with Impact factor:**

1. Brigitte M. Pützer, Thorsten Stiewe, Florian Rödicker, **Oliver Schildgen**, Stefan Rühm, Olaf Dirsch, Melanie Fiedler, Uta Dahmen, Bud Tennant, Caren Scherer, Frank L. Graham, and Michael Roggendorf (2001): Large nontransplanted hepatocellular carcinoma in woodchucks: treatment with adenovirus-mediated delivery of interleukin-12/B7.1 genes; Abstract; Cancer Gene Therapy 8 (11), 921-922 **(2.756)**
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8. **O. Schildgen**, A. Simon, B. Kupfer, A. Müller: Severe and fatal pneumonia in leukemia associated to new respiratory viruses Schwere und letale Pneumonia durch neu Atemwegsviren bei Leukämiepatienten; DGHO-Meeting, Basel 2007, Onkologie **(1.74)**
9. **Oliver Schildgen**: The HOPE Consortium: Hepatitis B optimized therapy evaluation using bioinformatic approaches; Vortrag im Rahmen des AREVIR Meetings 2009, 23.04.2009 in Bonn, Forschungszentrum CAESAR; European Journal of Medical Research; supplement **(0.944)**
10. **Oliver Schildgen**: Community strategies for detection of newly discovered respiratory viruses; Vortrag beim ISIRV Symposium 2009, Sevilla, Spanien; Influenza and other Respiratory Viruses, supplement **(0.5)**
11. Jessica Lüsebrink, Verena Schildgen, Ramona Liza Tillmann, Andreas Müller, Felix Wittleben, Anne Böhmer, and **Oliver Schildgen** (2010): Human bocavirus replication occurs via head-to-tail intermediates and hairpin-like structures; Acta Paediatrica, 99 (Suppl. 462), p. 85/Posterpresentation 092 **(1.768)**

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20. Verena Schildgen, Jessica Lüsebrink, Jan David Appel, Christine Wübben, Walburga Engel-Riedel, Erich Stoelben, **Oliver Schildgen**, and Michael Brockmann (2012): Identification of uncommon PIK3CA-mutations in lung cancer by using pyrosequencing; 96. Jahrestagung der DGP, Berlin 2012, Abstract in: Der Pathologe, 33 (S1) SA-P-35 **(0.414)**
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27. Verena Schildgen, Ramona-Liza Tillmann, Anna-Lena Hardt, Michael Brockmann, and **Oliver Schildgen** (2013): Utility of the QIAGEN/artus PCR assays for the detection of human herpes virus genomes in formalin fixed paraffin embedded clinical samples. 5th European Congress of Virology, Lyon, France, 11-14. Sep. 2013, Poster; *Virologie*, REF445, S243, Suppl. Sep. 2013 **(0.169)**
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39. M. Klein, D. Hadaschik, **O. Schildgen**, D. Deuster, H. Zimmermann, H.J. Eggers und B. Nelsen-Salz: Studien zur Abhängigkeit bzw. Resistenz gegenüber Replikationsinhibitoren am Modell des Echovirus 9; Posterbeitrag zur Jahrestagung der Gesellschaft für Virologie 1998 in Regensburg
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54. **Oliver Schildgen**: Vortrags-Einladung durch Frau Prof. Dr. B. Sodeik in das Institut für Virologie der Medizinischen Hochschule Hannover zum Thema: Rolling Circle oder Theta-Replikation: Untersuchungen zur DNA-Replikation des Herpes simplex Virus Typ 1; 20.04.2005, Medizinische Hochschule Hannover
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66. **Oliver Schildgen**: Infektionen im Alter; Vortrag im Rahmen der Vorlesung des Graduiertenkollegs 1033 in Düsseldorf, Dezember 2006
67. **Oliver Schildgen**: Moderne Diagnostik viraler Atemwegsinfektionen bei Kindern und Jugendlichen; Vortrag im Rahmen der zertifizierten Fortbildung der Universitätskinderklinik Bonn, 29.11.2006
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76. **Oliver Schildgen**: Neue Aspekte der antiviralen Therapie der chronischen HBV-Infektion, Vortragseinladung in das Institut für Pharmakologie der Universität zu Köln, 11.07.2006
77. **Oliver Schildgen**: Klinik, Epidemiologie und Pathogenese neu entdeckter Viruserkrankungen des Respirationstrakts; Vortragseinladung in das Institut für Virologie der Universität zu Köln, Direktor Prof. Dr. H. Pfister, 12.05.2006
78. **Oliver Schildgen**: Untersuchungen zur Therapie der chronischen HBV Infektion; Vortrag im Rahmen eines Symposiums der Kandidaten der engeren Auswahl für den Paul Ehrlich und Ludwig Darmstaedter Nachwuchspreis 2007; 15.12.2006, Georg-Speyer-Haus Frankfurt
79. **Oliver Schildgen**: Virus-Wirts Interaktionen im Menschen; Vortrag im Rahmen des Ersten Treffens der Bonner Interdisziplinären Interessengruppe; 24.11.2006; Bonn
80. **Oliver Schildgen**: Klinik, Epidemiologie und Pathogenese neu entdeckter Viruserkrankungen bei Immunsupprimierten und Hochrisikopatienten; Vortrag im Rahmen der onkologischen Fortbildung der Universitätskinderklinik Bonn, 2007
81. **Oliver Schildgen**: Neu entdeckte respiratorische Viren und ihre Bedeutung; Vortrag in Rahmen des Kolloquiums über aktuelle Fragen der Hygiene, Medizinischen Mikrobiologie und Parasitologie des Zentrums für Infektiologie und Infektionsschutz der Universität Bonn, 08.02.2007
82. **Oliver Schildgen**: Neue Erreger viraler Atemwegsinfektionen; Vortrag beim 5. BioMerieux-Symposium „Wissen verbindet“, 28.-29.01.2007 in Leipzig
83. **Oliver Schildgen**: New respiratory viruses and their role in Europe; Vortragseinladung zum Doktorandenkollegs-Kolloquium der Universität Siena, Italien, 18.5.2007
84. **Oliver Schildgen**: New and Emerging Viruses; Vortragseinladung des Arbeitskreises “Bonner Kolloquium” der Studienstiftler Bonn, 25.04.2007
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89. **O. Schildgen**: Emerging infections, 3<sup>rd</sup> Symposium of the European Union Geriatric Medicine Society Infections in Older People, September 2007, invited Keynote Lecture, Frankfurt



90. Ortwin Adams, Linda Bonzel, **Oliver Schildgen**: Diagnosis of Respiratory Viruses including Bocavirus in Children with Respiratory Tract Infections by a One Step Multiplex Real-Time PCR Vortrag beim ESCV-meeting Lyon (25. Mai 2007)
91. S. Bagci, A. M. Eis-Hübinger, A. Simon, G. Bierbaum, A. Heep, **O. Schildgen**, P. Bartmann, A. Franz, A. Müller: KLINIK UND VERLAUF VIRALER GASTROINTESTINALER INFEKTION BEI FRÜH-UND NEUGEBORENEN; Vortrag bei der DGPI Tagung 2008, Erlangen
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96. Jessica Lüsebrink, Christoph Wiese, Anne Thiel, Ramona-Liza Tillmann, Vanessa Ditt, Andreas Müller, **Oliver Schildgen**, and Verena Schildgen: LACK OF PROTECTIVE IMMUNITY DESPITE HIGH SEROPREVALENCE OF NEUTRALIZING ANTIBODIES AGAINST HUMAN METAPNEUMOVIRUS, BONN, GERMANY; 4<sup>th</sup> European Congress of Virology, Como, Italien, 2010
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99. J. Lüsebrink, V. Schildgen and O. Schildgen: Novel aspects on RSV and HMPV infections in an aged mouse model 4<sup>th</sup> European Congress of Virology, Como, Italien, 2010
100. Oliver Schildgen: Novel Respiratory Viruses: Epidemiology, Pathophysiology, and Optimized Strategies for Molecular Diagnosis; Plenary Lecture, Conference in Medical Physiology 2010, Cambridge, UK
101. Verena Schildgen, Jessica Lüsebrink, Vanessa Ditt, Ramona Tillmann, Arne Simon, Andreas Müller, **Oliver Schildgen** (2010): Studies on the natural course of RSV-, HMPV- and RSV/HMPV-double infections in children in an optimized animal model; invited talk, Conference in Medical Physiology 2010, Cambridge, UK
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103. **Oliver Schildgen**, Sascha Gräper, Johannes Blümel, Michael Reber, Nigel Stow, Bernd Kupfer, Benedikt Axer, and Bertfried Matz (2011): Starting the DNA replication of herpes simplex virus: not simple (Beitrag zur Jahrestagung der Gesellschaft für Virologie 2011, Freiburg 23.03.2011 - 26.03.2011)

- 104.** Monika Malecki, Verena Schildgen, Matthias Kamm, Frauke Mattner, and **Oliver Schildgen** (2011): Rapid diagnostics from patients suspected to suffer from Norovirus infection reveals novel EHEC variant; 14TH ANNUAL MEETING OF THE EUROPEAN SOCIETY FOR CLINICAL VIROLOGY; 21.-24.09.2011, Madeira, Portugal (Poster)
- 105.** Monika Malecki, Verena Schildgen, Matthias Kamm, Frauke Mattner, and **Oliver Schildgen** (2011): Novel GPP assay also detects novel EHEC O104:H4; Planet xMAP Meeting, 28.+29.09.2011, Vienna, invited talk
- 106.** **Oliver Schildgen** (2011): The human bocavirus: Genomic head-to-tail intermediates challenge the parvovirus replication model; 14TH ANNUAL MEETING OF THE EUROPEAN SOCIETY FOR CLINICAL VIROLOGY; 21.-24.09.2011, Madeira, Portugal, invited talk
- 107.** Monika Malecki, Verena Schildgen, Matthias Kamm, Frauke Mattner, and **Oliver Schildgen** (2011): Rapid screening method for multiple gastro-enteric pathogens also detects novel EHEC O104:H4; Poster, 49<sup>th</sup> Annual Meeting of the Infectious Diseases Society of America, October 20th – 23th, 2011 in Boston, USA
- 108.** **Oliver Schildgen** (2011): Virale respiratorische Infekte: Bedeutung der Diagnostik; 2. Merheimer Hygienetag, invited talk, 12. Oktober 2011, Köln
- 109.** Mathias Hothum, Ulrich Hügler, Michael Krakau, Christian Karagiannidis, Tillmann Matthäus, Jürgen Schipper, **Oliver Schildgen**: xTAG GPP could lead to Cost Reduction and better Management of Gastrointestinal Infections; 10th Planet xMAP Meeting, 10.-11. October 2012, Monaco
- 110.** Pascal Kahlau, Monika Malecki, Verena Schildgen, Frauke Mattner, and Oliver Schildgen: ProGastro™ SSCS vs. Luminex GPP: A first experience in comparing two multiplex assays for gastrointestinal pathogens; 10th Planet xMAP Meeting, 10.-11. October 2012, Monaco
- 111.** Oliver Schildgen (2013): Erforschung und Versorgung von Atemwegserkrankungen – Potenziale der molekularbiologischen Diagnostik. VDGH-Symposium 2013, 31.01.2013 Berlin
- 112.** V. Schildgen, M. Malecki, R.L. Tillmann, M. Brockmann, O. Schildgen (2013): THE HUMAN BOCAVIRUS IS ASSOCIATED WITH LUNG- AND COLORECTAL CANCERS AND PERSISTS IN SOLID TUMOURS. ESPID Meeting 2013, 28.05.2013-01.06.2013, Milan, Italy. Poster Presentation
- 113.** Oliver Schildgen (2013): „Von der Erkältung zum Tumor? Untersuchungen zur Pathogenese der humane Bocavirusinfektion“. Campus Live der Universität Witten/Herdecke, 18. September 2013
- 114.** Oliver Schildgen (2013): „Fortschritte in der molekularen PCP Diagnostik“. Interne Fortbildung, Lungenklinik, Kliniken der Stadt Köln, 16. Oktober 2013
- 115.** Oliver Schildgen (2013): „Diagnose im Verbund - Der Patient als Gewinner“. Symposium der Firma Pfizer, Düsseldorf, 17. Oktober 2013 (von der Ärztekammer Nordrhein zertifizierte Fortbildung)
- 116.** Oliver Schildgen, Jessica Lüsebrink, Verena Schildgen (2013): The human bocavirus – from common cold to cancer? Preis-Vortrag bei der Rudolf-Schülke-Stiftung, Hamburg, 29. November 2013
- 117.** Oliver Schildgen, Stephanie Mai, Soumaya Khalfoui, Michael Brockmann, Oliver Schildgen (2013): Kultivierung von *Pneumocystis jirovecii* in pseudostratifizierten permanenten Atemwegsepithelien; Kolloquiumsvortrag beim Tag der Forschung der Universität Witten/Herdecke, 6.12.2013
- 118.** Oliver Schildgen (2014): „FISH Diagnostik zum ALK Translokationsnachweis“. Interne Fortbildung, Lungenklinik, Kliniken der Stadt Köln, 26. Februar 2014

119. Oliver Schildgen (2014): Molekularbiologische Stufendiagnostik beim NSCLC. Vortrag beim Symposium „Diagnose und Therapie des NSCLC“, Institut für Pathologie, Kliniken der Stadt Köln gGmbH, 26.02.2014 (von der Ärztekammer Nordrhein zertifizierte Fortbildung)
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121. T. Bergmann, E. Schulz, M. Gebbing, V. Schildgen, O. Schildgen, A. Ehrhardt (2014): TALEN mediated gene correction of coagulation factor IX via homologous recombination in context of a canine hemophilia B model; 20. Annual Meeting of the German Society For Gene Therapy (DG-GT), Ulm 20-22 March 2014 (poster presentation)
122. E. Schulz, T. Bergmann, M. Gebbing, V. Schildgen, O. Schildgen, C. A. Gersbach, A. Ehrhardt (2014): Mutation detection following Non-homologous End Joining (NHEJ): a comparison of different semi quantitative and quantitative methods; 20. Annual Meeting of the German Society For Gene Therapy (DG-GT), Ulm 20-22 March 2014 (poster presentation)
123. O. Schildgen (2014): Neue Aspekte der Molekularpathologie – Vortrag beim Post-ASCO Round Table Meeting, 10.06.2014, Köln (von der Ärztekammer Nordrhein zertifizierte Fortbildung)
124. O. Schildgen (2014): Schwere Infektionen durch Emerging Viruses im Kindesalter; Keynote Lecture im Rahmen der 40. Jahrestagung der Gesellschaft für Neonatologie und Pädiatrische Intensivmedizin, 28.06.2014, Bonn
125. O. Schildgen (2014): Molekularpathologische Diagnostik des NSCLC – Der Merheimer Algorithmus. Vortrag beim Symposium „Update NSCLC“ der Lungenklinik der Kliniken der Stadt Köln, Köln, 29.08.2014
126. O. Schildgen (2014): Pneumocystis jirovecii kann in pseudostratifizierten Atemwegsepithelien produktiv angezüchtet werden. Vortrags-Einladung zum Institutsseminar des Instituts für Mikrobiologie und Hygiene in Regensburg am 30.10.2014
127. Verena Schildgen, Stephanie Mai, Soumaya Khalfaoui, Jessica Lüsebrink, Monika Pieper, Ramona Liza Tillmann, Michael Brockmann, and **Oliver Schildgen** (2014): Pneumocystis jirovecii can be productively cultured in differentiated CuFi-8 airway cells. Talk at the DGHM Meeting, 05.10.2014 – 08.10.2014, Dresden, Germany; BioSpektrum Tagungsband 2014, EKV07, S. 98
128. Oliver Schildgen (2014): Requirements to molecular diagnostics of acute and chronic respiratory diseases; Vortrag bei der COMPAMED/Medica Conference 2014, 13.11.2014, Düsseldorf
129. Oliver Schildgen (2014): Ergebnisse der molekularpathologischen Untersuchungen von Lungenkarzinomen in Köln Merheim. Vortrag beim 8. Kölner Lungenkrebstag, 03.12.2014
130. Vivien Eichhorn, Soumaya Khalfaoui, Monika Pieper, Christian Karagiannidis, Wolfram Windisch, Oliver Schildgen, Verena Schildgen (2014): Human bocavirus infection induces cytokine expression associated with lung fibrosis; Vortrag beim 8. Tag der Forschung der Fakultät für Gesundheit der Universität Witten/Herdecke, 05.12.2014, Köln
131. A Prickartz, J Lüsebrink, O Schildgen, V. Schildgen, M. Brockmann, W Windisch (2014): Quantitative PCR detects occult Pneumocystis jirovecii infections. Poster beim 8. Tag der Forschung der Fakultät für Gesundheit der Universität Witten/Herdecke, 05.12.2014, Köln
132. **Oliver Schildgen** (2014): Pneumocystis jirovecii can be productively cultured in differentiated CuFi-8 airway cells. Invited Talk at the Institute's Seminar Series Institute for Microbiology, Immunology, and Parasitology, University of Bonn, 29.01.2015, Bonn

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135. Verena Schildgen, Stephanie Mai, Soumaya Khalfaoui, Jessica Lüsebrink, Monika Pieper, Ramona Liza Tillmann, Michael Brockmann, and Oliver Schildgen (2015): Successful culturing of *Pneumocystis jirovecii* in air-liquid interface cultures induces cytopathogenic damage of epithelia Poster bei der 25<sup>th</sup> ECCMID Conference, 25.-28.4.2015, Kopenhagen, Denmark
136. Vivien Eichhorn, Soumaya Khalfaoui, Monika Pieper, Christian Karagiannidis, Wolfram Windisch, Michael Brockmann, Oliver Schildgen, Verena Schildgen (2015): Human bocavirus infection induces cytokine expression associated with lung fibrosis; Vortrag bei der Jahrestagung der Deutschen Gesellschaft für Pathologie, Frankfurt 2015
137. A Prickartz, J Lüsebrink, S Khalfaoui, O Schildgen, V. Schildgen, M. Brockmann, W Windisch (2015): Detektion okkulten *Pneumocystis jirovecii* Infektionen mittels qPCR Vortrag bei der Jahrestagung der Deutschen Gesellschaft für Pathologie, Frankfurt 2015
138. O. Schildgen (2015): Züchtung von *Pneumocystis jirovecii* in pseudostratifizierten Atemwegsepithelien – Ein Modell zur Entwicklung spezifischer Antimykotika gegen lebensbedrohliche Pilzinfektionen. Vortrag im Rahmen des Auswahl Symposiums zum Medizin-Management-Preises 2015, Berlin, 14. April 2015
139. O. Schildgen (2015): Point-of-Care Testung bei akuten Atemwegserkrankungen, Springer/Bionorica Round Table Symposium, 9.9.2015, Springer-Verlag München
140. Anna-Elisabeth Helling, Monika Pieper, Ella Naumova, Wolfgang H. Arnold, Oliver Schildgen, Verena Schildgen (2017): Morphologische Untersuchung der CuFi-1, CuFi-5 und CuFi-8 Zellkulturen vor und nach Infektion mit dem Human Bocavirus (HBoV); Universität Witten/Herdecke, Tag der Forschung 2017, Posterbeitrag
141. Merle Höpken, Michael Brockmann, Steffen Maune, Oliver Schildgen, Verena Schildgen (2017): Untersuchungen zur Rolle des humanen Bocavirus (HBoV) bei der Entstehung von Tumoren der oberen Schluckstraße, vor allem der Tonsillen; Universität Witten/Herdecke, Tag der Forschung 2017, Posterbeitrag
142. Wolfram Windisch, Axel Meissner, Axel Goßmann, Michael Brockmann, Verena Schildgen, and Oliver Schildgen<sup>4</sup> (2017): *Pneumocystis jirovecii* induced chronic interstitial lung disease in Waldenström's macroglobulinemia that was followed by lung adenocarcinoma, Universität Witten/Herdecke, Tag der Forschung 2017, Posterbeitrag
143. Alexander Prickartz, Jessica Lüsebrink, Soumaya Khalfaoui, Oliver Schildgen, Verena Schildgen, Wolfram Windisch, Michael Brockmann (2017): Low titre *Pneumocystis jirovecii* infections: More than just colonization? Universität Witten/Herdecke, Tag der Forschung 2017, Posterbeitrag
144. Verena Schildgen, Monika Pieper, Oliver Schildgen (2017): Analyses of transcriptome alterations during HBoV infection; Universität Witten/Herdecke, Tag der Forschung 2017, Vortrag
145. Merle Höpken, Michael Brockmann, Steffen Maune, Oliver Schildgen, Verena Schildgen (2017): Untersuchungen zur Rolle des humanen Bocavirus (HBoV) bei der Entstehung von Tumoren der oberen Schluckstraße, vor allem der Tonsillen; 88. Jahresversammlung 2017 der Deutschen Gesellschaft für Hals-Nasen-Ohren-Heilkunde, Kopf- und Hals-Chirurgie, Posterbeitrag

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147. Wolfram Windisch, Axel Meissner, Axel Goßmann, Michael Brockmann, Verena Schildgen, and Oliver Schildgen<sup>4</sup> (2017): *Pneumocystis jirovecii* induced chronic interstitial lung disease in Waldenström's macroglobulinemia that was followed by lung adenocarcinoma, Annual Conference of the Microbiology Society 2017, Poster, 3.-6.4.2017, Edinburgh, Scotland
148. Alexander Prickartz, Jessica Lüsebrink, Soumaya Khalfaoui, Oliver Schildgen, Verena Schildgen, Wolfram Windisch, Michael Brockmann (2017): Low titre *Pneumocystis jirovecii* infections: More than just colonization? Annual Conference of the Microbiology Society 2017, Offered Oral Presentation, 3.-6.4.2017, Edinburgh, Scotland
149. Verena Schildgen, Monika Pieper, Oliver Schildgen (2017): Analyses of transcriptome alterations during HBoV infection; Annual Conference of the Microbiology Society 2017, Poster, 3.-6.4.2017, Edinburgh, Scotland
150. Oliver Schildgen (2017): Fallstricke bei der ALK-Diagnostik im molekularpathologischen Labor; Expertentreffen der Firma Roche, 8.4.2017, Maritim, Köln, Germany
151. Oliver Schildgen (2017): The human bocavirus: From common cold to cancer? Vortrag beim virologischen Seminar des Robert-Koch-Instituts, 15.5.2017, RKI Berlin, Germany
152. Oliver Schildgen (2017): Implementierung einer NGS-Plattform in der molekularpathologischen Diagnostik. Vortrag im Rahmen der internen Mitarbeiterfortbildung der Lungenklinik Köln Merheim. 17.05.2017, Cologne, Germany
153. Merle Höpken, Oliver Schildgen, Verena Schildgen, Michael Brockmann, Steffen Maune (2017): Untersuchungen zur Rolle des humanen Bocavirus (HBoV) bei der Entstehung von Tumoren der oberen Schluckstraße, vor allem der Tonsillen. Poster zur 88. Jahresversammlung der Deutschen Gesellschaft für Hals-Nasen-Ohren-Heilkunde, Kopf- und Hals-Chirurgie e.V., Bonn, vom 24. bis 27.5.2017, Erfurt, Germany
154. Oliver Schildgen (2017): Implementierung einer NGS-Plattform in der molekularpathologischen Diagnostik. Vortrag im Rahmen der internen Mitarbeiterfortbildung des Brustzentrums Köln Merheim. 29.05.2017, Cologne, Germany
155. Oliver Schildgen (2017): Implementierung einer NGS-Plattform in der molekularpathologischen Diagnostik. Vortrag im Rahmen der internen Mitarbeiterfortbildung der Klinik für Viszeralchirurgie Köln Merheim. 12.06.2017, Cologne, Germany
156. Oliver Schildgen (2017): Implementierung einer NGS-Plattform in der molekularpathologischen Diagnostik. Vortrag im Rahmen der internen Mitarbeiterfortbildung der Klinik für Innere Medizin Köln Holweide. 26.07.2017, Cologne, Germany
157. Oliver Schildgen (2017): Implementierung einer NGS-Plattform in der molekularpathologischen Diagnostik. Vortrag im Rahmen der internen Mitarbeiterfortbildung des Instituts für Pathologie Köln Merheim. 01.08.2017, Cologne, Germany
158. Oliver Schildgen (2017): Optimierung der FISH Diagnostik in der personalisierten Diagnostik des NSCLC. Vortrag bei Workshop der Firma Zytomed in Berlin, 14.10.2017, Berlin, Germany
159. Oliver Schildgen (2018): Utility of the Qiagen Gene Reader Platform in routine clinical molecular diagnostics. Vortrag bei den Bamberger Morphologietagen, 18.01.2018, Bamberg
160. Oliver Schildgen (2018): Utility of the Qiagen Gene Reader Platform in routine clinical molecular diagnostics. Vortrag beim Satellite GeneReader Expert Meeting, European Conference of Pathology, September 2018, Bilbao, Spanien

161. Oliver Schildgen (2019): Molekulare Testung und individualisierte Medizin als Entscheidungshilfe bei der Therapie des fortgeschrittenen Mammakarzinoms. Vortrag beim Roche Experten Meeting, Hilton Cologne, 10.07.2019
162. Oliver Schildgen (2019): "Good Diagnostic Practice ?" - Aktuelle Entwicklungen in der molekularpathologischen Diagnostik. Vortrag beim Onkodiolog der Kliniken der Stadt Köln, 25.09.2019, Köln
163. Oliver Schildgen (2021): Do's and don'ts in grant proposals – The evaluators perspective on grant applications 10 years of NCSTE: achievements and prospects; Conference of the Committee of Science of the Ministry of Education and Science of the Republic of Kazakhstan, Oktober 2021
164. Oliver Schildgen (2021): Wenn das menschliche Auge nicht mehr weiter kommt: Grenzen der menschlichen Interpretationsfähigkeit bei Labor-diagnostischer Bildanalytik; Öffentliche Veranstaltung des Wachstumskerns PRAEMED.BIO in Kooperation mit dem Carl-Thiem-Klinikum; Oktober 2021
165. Oliver Schildgen (2022): IVDR und Molekularpathologie - Konsequenzen für die Diagnostik des Mammakarzinoms; Vortrag im Rahmen des Mamma-Updates 2022 der Frauenklinik Köln-Holweide, 9. Juni 2022, Köln

## F. Book Articles

1. Bruns R, Mentel R, **Schildgen O**, Wiersbitzky H, Wilkesmann A: Humane Metapneumovirus (hMPV)-Infektionen; in: Handbuch der Deutschen Gesellschaft für pädiatrische Infektiologie: Infektionen bei Kindern und Jugendlichen; 5. Auflage (2009), ISBN 978-3-13-144715-9
2. Beld,M.G.H.M., Birch,C., Cane,P.A., Carman,W., Clewley,J.P., Domingo,E., Druce,J., Escarmis,C., Fouchier,R.A.M., Jennings,L., Kay,I.D., Kubista,M., Landt,O., Mackay,I.M., Mackay,J.F., Nissen,M.D., Palladino,S., Papadopoulos,N.G., Petrich,A., Pfaffl,M,W., Rawlinson,W., Reischl,U., Saunders,N.A., Savolainen-Kopra,C., **Schildgen, O.**, Scott,G.M., Sloots,T.P. Tang,Y-W., Woo,P.C.Y.: Experts Roundtable: Real-Time PCR and Microbiology; Real-time PCR in microbiology, in: Real-time PCR in microbiology: from diagnosis to characterization, Ed. Ian Maxwell Mackay, Horizon Scientific Press, 2007, ISBN 1904455182, 9781904455189
3. **Oliver Schildgen**, Florian van Bömmel, Jürgen K. Rockstroh: Current and future therapies for chronic HBV-infections, in: Progress in HBV Research, Nova Scientific Publishers, New York, USA; ISBN 1-60021-687-0
4. **Oliver Schildgen**: The human Bocavirus – A newly discovered pathogen in lung disease; Encyclopedia of Molecular Mechanisms of Disease; Lang, Florian (Ed.) Version: 2009, ISBN: 978-3-540-67136-7
5. V. & **O. Schildgen**: Hyperinflation in the respiratory tract – How virus discovery methods increased the number of respiratory pathogens in childhood airway infections; in: New respiratory Viruses and their role in childhood; Ed. Oliver Schildgen, Nova Scientific Publishers, New York, USA; ISBN 978-1-60456-519-5
6. Andreas Mueller, **Oliver Schildgen** & Arne Simon: CURRENT TREATMENT OF VIRAL LOWER RESPIRATORY TRACT INFECTIONS IN CHILDHOOD; in: New respiratory Viruses and their role in childhood; Ed. Oliver Schildgen, Nova Scientific Publishers, New York, USA; ISBN 978-1-60456-519-5
7. Jessica Lüsebrink, Verena Schildgen, **Oliver Schildgen**: The Hepatitis B Virus; in: Textbook for Viral Hepatitis, Ed. S. Mauss et al., in Hepatology – A Clinical Textbook ([www.HepatologyTextbook.com](http://www.HepatologyTextbook.com)); ISBN: 978-3-924774-63-9

8. **Oliver Schildgen:** Molecular Diagnostic of the human Hepatitis B Virus; in: Textbook for Viral Hepatitis, Ed. S. Mauss et al., Ed. S. Mauss et al., in Hepatology – A Clinical Textbook ([www.HepatologyTextbook.com](http://www.HepatologyTextbook.com)); ISBN: 978-3-924774-63-9
9. Jessica Lüsebrink, Felix Wittleben, Verena Schildgen, and **Oliver Schildgen:** The human Bocavirus; in: MOLECULAR DETECTION OF HUMAN VIRAL PATHOGENS; Edited by Dongyou Liu, Taylor & Francis CRC Press, 1<sup>st</sup> Ed. 2010, 819-829, ISBN 978-1-4398-1236-5
10. Jessica Lüsebrink, Verena Schildgen, **Oliver Schildgen:** The Hepatitis B Virus; in: Textbook for Viral Hepatitis, Ed. S. Mauss et al., in Hepatology – A Clinical Textbook ([www.HepatologyTextbook.com](http://www.HepatologyTextbook.com)); **Second Edition 2010**, ISBN: 978-3-924774-70-7
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12. **Oliver Schildgen (2011):** Emerging Viral Infections; in: E. Azoulay (Ed.): Pulmonary Involvement in Patients with Hematological Malignancies; Springer Verlag, , ISBN 978-3-642-15741-7
13. **Oliver Schildgen:** The human metapneumovirus; in: D. Michaels (Ed.): Encyclopedia of Infectious Diseases; ABC-CLIO Publishers, Santa Barbara, CA, USA 2016, ISBN 978-1-4408-0045-0, October 2016
14. Bruns R, Mentel R, **Schildgen O**, Wiersbitzky H, Simon A, Wilkesmann A (**2013**): Humane Metapneumovirus (hMPV)-Infektionen; in: Handbuch der Deutschen Gesellschaft für pädiatrische Infektiologie: Infektionen bei Kindern und Jugendlichen; 6. Auflage, ISBN 978-3-13-144716-6
15. Verena Schildgen und **Oliver Schildgen (2014):** The human Bocavirus, in Human Respiratory Viral Infections, Taylor & Francis Group/CRC Press, ed. Dr. Sunit Singh, ISBN 978-1-4665-8320-7
16. Oliver Schildgen & Verena Schildgen (2016): Respiratory infections with the human bocavirus (HBoV), in: The Microbiology of Respiratory System Infections. Elsevier, Amsterdam. Editors: Kon & Rai, Elsevier, 65-79, ISBN: 978-0-12-804543-5
17. Oliver Schildgen & Verena Schildgen (2017): The human bocaviruses; in: Advanced Techniques in Diagnostic Microbiology; Springer, New York; Editors: Yi-Wei Tang and Charles Stratton, 2<sup>nd</sup> Edition
18. Oliver Schildgen (2017): The human coronaviruses; in: Advanced Techniques in Diagnostic Microbiology; Springer, New York; Editors: Yi-Wei Tang and Charles Stratton, 2<sup>nd</sup> Edition
19. Bruns R, Mentel R, **Schildgen O**, Wiersbitzky H, Simon A, Wilkesmann A (**2018**): Humane Metapneumovirus (hMPV)-Infektionen; in: Handbuch der Deutschen Gesellschaft für pädiatrische Infektiologie: Infektionen bei Kindern und Jugendlichen; 7. Auflage, ISBN: 9783132407909
20. **Oliver Schildgen**, Tobias Stahlhut, Annegret Schlimbach, Michael Brockmann and Verena Schildgen (**2024**): Bronchoalveolar lavage: A short introduction, historical aspects, frequent cytological observations, and basic laboratory protocols, p. 3-8 in: Bronchoalveolar Lavage in Basic Research and Clinical Medicine, 1st Edition, edited By Oliver Schildgen, Verena Schildgen, Michael Brockmann, ISBN: 9780367705435 (hbk), ISBN: 9780367705428 (pbk), ISBN: 9781003146834 (ebk), *CRC Press, an imprint of Taylor & Francis Group, LLC*, © 2024 Taylor & Francis Group, LLC Boca Raton FL, USA
21. Verena Schildgen, Vanessa Vedder, Michael Brockmann, and **Oliver Schildgen (2024):** Respiratory Infections, p 51-65 in: Bronchoalveolar Lavage in Basic Research and Clinical Medicine, 1st Edition, edited By Oliver Schildgen, Verena Schildgen, Michael Brockmann, ISBN: 9780367705435 (hbk), ISBN: 9780367705428 (pbk), ISBN: 9781003146834 (ebk), *CRC Press, an imprint of Taylor & Francis Group, LLC*, © 2024 Taylor & Francis Group, LLC Boca Raton FL, USA

## G. Patents and Copyrights

1. VARIANTS OF HEPATITIS B VIRUS RESISTANT AGAINST SOME NUCLEOSIDE ANALOGUES, BUT SENSITIVE TO OTHERS, AND USES THEREOF; Publication number: US2007042356; Publication date:2007-02-22; Inventor: SCHILDGEN OLIVER (DE); VOGEL MARTIN (DE); MATZ BERTFRIED (DE); ROCKSTROH JUERGEN (DE); KAISER ROLF (DE); DAEUMER MARTIN (DE); HELM MARTIN (DE); WEITNER LUTWIN (DE); SCHEWE CARL K (DE); GERLICH WOLFRAM (DE); Applicant: JUSTUS LIEBIG UNI GIESSEN (DE); Classification:- international:C12Q1/70; A61K31/7072; C07H21/04; C07K14/02; C12N7/01; C12N15/86; C12Q1/70; A61K31/7042; C07H21/00; C07K14/005; C12N7/01; C12N15/86; - European: Application number: US20060375580 20060315; Priority number(s): US20060375580 20060315; EP20050102014 20050315; US20050661483P 20050315
2. VARIANTS OF HEPATITIS B VIRUS RESISTANT AGAINST SOME NUCLEOSIDE ANALOGUES, BUT SENSITIVE TO OTHERS, AND USES THEREOF; Publication number: WO2006097284; Publication date:2006-09-21; Inventor: SCHILDGEN OLIVER (DE); VOGEL MARTIN (DE); MATZ BERTFRIED (DE); ROCKSTROH JUERGEN (DE); KAISER ROLF (DE); DAEUMER MARTIN (DE); HELM MARTIN (DE); WEITNER LUTWIN (DE); SCHEWE CARL KNUD (DE); GERLICH WOLFRAM (DE); Applicant: RHEINISCHE FRIEDRICH WILHELMS (DE); UNIV ZU KOELN (DE); JUSTUS LIEBIG UNI GIESSEN (DE); SCHILDGEN OLIVER (DE); VOGEL MARTIN (DE); MATZ BERTFRIED (DE); ROCKSTROH JUERGEN (DE); KAISER ROLF (DE); DAEUMER MARTIN (DE); HELM MARTIN (DE); WEITNER LUTWIN (DE); SCHEWE CARL KNUD (DE); GERLICH WOLFRAM (DE); Classification: - international: C07K14/02; C12N7/00; C12N15/01; C12N15/36; C12N15/51; C12Q1/70; C07K14/005; C12N7/00; C12N15/01; C12N15/34; C12N15/51; C12Q1/70; - European:C07K14/02; C12N7/00; C12N9/12B7B49; Application number: WO2006EP02351 20060314; Priority number(s):US20050661483P 20050315; EP20050102014 20050315
3. Arne Simon, Matthias Hamann, **Oliver Schildgen**: VIRTi-Ped: Softwaretool zur Erfassung medizinischer Daten im Rahmen von klinischen Studien

## H. Peer Review Activity

- December 2015: Expert Evaluator for the National Science Centre Poland
- December 2012: Expert Evaluator for the Latvian Research Council
- October 2012 and 2014: Expert Evaluator for the Belgian Ministry of Health
- June 2007: Expert Evaluator for the European Commission within FP7
- Reviewer for: Immunology
- Reviewer for: Antiviral Therapy
- Reviewer for: Infection
- Reviewer for: Journal of Infection
- Reviewer for: Nature Protocols
- Reviewer for: Infection and Epidemiology
- Reviewer for: Pediatric Infectious Disease Journal
- Reviewer for: Intervirology
- Reviewer for: Respiratory Medicine
- Reviewer for: Clinical Infectious Diseases
- Reviewer for: Journal of Allergy and Clinical Immunology
- Reviewer for: Science of the Total Environment
- Reviewer for: Pediatric Pulmunology
- Reviewer for: Archives of Virology
- Reviewer for: Viruses
- Reviewer for: Emerging Infectious Diseases
- Reviewer for: British Medical Journal
- Reviewer for: Scandinavian Journal of Infectious Diseases
- Reviewer for: European Journal of Microbiology and Infectious Diseases



- Reviewer for: BMC Infectious Diseases
- Reviewer for: Influenza and other Respiratory Viruses
- Reviewer for: Clinical and Developmental Immunology
- Reviewer for: Analytica Chimica Acta
- Reviewer for: Cellular Physiology and Biochemistry
- Reviewer for: New England Journal of Medicine
- Reviewer for: Microbiology and Immunology
- Reviewer for: Journal of General Virology
- Reviewer for: Virus Research
- Reviewer for: Diagnostic Microbiology and Infectious Disease
- Reviewer for: Mediators of Inflammation
- Reviewer for: PLOS Medicine
- Reviewer for: Molecular Diagnostics and Therapy
- Reviewer for: American Journal of Tropical Medicine and Hygiene
- Reviewer for: Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary  
Medicine
- Reviewer for: Journal of Virological Methods
- Reviewer for: Journal of Clinical Virology
- Reviewer for: Journal of Medical Virology
- Reviewer for: Virus Genes
- Reviewer for: Scientific Reports
- Reviewer for: Expert Reviews of Molecular Diagnostics
- Reviewer for: Expert Reviews of Vaccines
- Reviewer for: Journal of Medical Microbiology
- Reviewer for: F1000 Research
- Reviewer for: Austin Journal of Cancer and Clinical Research
- Reviewer for: Expert Reviews in Anti-Infective Therapy
- since May 2007 Editorial Board Member of Reviews of Medical Microbiology
- since May 2013: Academic Editor of PLoS One
- Since March 2013: Academic Editor of Medicine®

## I. Theses supervised by Oliver Schildgen

### *Supervised Bachelor Theses:*

1. **Susanne Ziegler (B.Sc., Biologie):** Implementation and Comparison of Nucleic Acid Amplification Methods for Detection of newly discovered Bocavirus in Stool Samples of high Risk Patients with Diarrhoe. Fachhochschule Bonn-Rhein-Sieg, **2007**
2. **Anne Böhmer (B.Sc., Biologie):** Novel application for isothermal nucleic acid sequence-based amplification (NASBA); Fachhochschule Bonn-Rhein-Sieg, **2008**
3. **Felix Wittleben (B.Sc., Biologie):** Characterisation of the terminal sequences of the novel respiratoric human bocavirus genome; Fachhochschule Bonn-Rhein-Sieg, **2009**
4. **Christoph Wiese (B.Sc., Biologie):** Studies of seroprevalence of neutralizing antibodies against the human Metapneumovirus; Fachhochschule Bonn-Rhein-Sieg, **2009**
5. **Caroline Schultz (B.Sc., Biologie):** Implementation of EGFR Pyrosequencing for therapy decisions in personalized medicine in comparison to *Sanger* sequencing; Fachhochschule Bonn-Rhein-Sieg, **2010**
6. **Pascal Kahlau (B.Sc., Biologie):** Epidemiology of nosocomial gastroenteritis in the winter season 2011/2012, Hochschule Bonn-Rhein-Sieg, **2012**
7. **Olga Pabst (B.Sc., Biologie):** Identification of a novel polymorphism in the EGFR gene in patients with and without pleural mesothelioma, Hochschule Bonn-Rhein-Sieg, **2012**
8. **Iwona Kapisch (B.Sc., Biologie):** Implementation of molecular biological testing for liposarcoma and cervical cancer diagnostics, Hochschule Bonn-Rhein-Sieg, **2012**
9. **Nazesh Bhatti (B.Sc., Biologie):** Stability and integrity of cellular components of bronchoalveolar lavage (BAL) in dependence of transport and storing temperature, Hochschule Bonn-Rhein-Sieg, **2013**
10. **Stephanie May (B.Sc., Forensics):** Cultivation and Propagation of *Pneumocystis jirovecii*, Hochschule Bonn-Rhein-Sieg, **2013**
11. **Jaspreet Kaur (B.Sc., Biologie):** Comparison of multiplex PCR assays for diagnosis of viral respiratory infections: xTAG respiratory viral panel fast assay, FTD respiratory pathogens 33 assay and RespiFinder SMWART 22 Fast assay, Hochschule Bonn-Rhein-Sieg, **2014**
12. **Vivien Eichhorn (B.Sc., Forensics):** Human bocavirus infection induces cytokine expression associated with lung fibrosis, Hochschule Bonn-Rhein-Sieg, **2014**
13. **Tiffany Susan Haiduk (B.Sc., Biologie):** A comparative analysis of Idylla™ with next generation sequencing (NGS) using common cancer gene mutations and the determination of Idylla™'s usefulness in a laboratory setting; Hochschule Bonn-Rhein-Sieg, **2021**
14. **Johannes Wanney (B.Sc. Forensics):** Effectiveness of the loop-mediated isothermal amplification (LAMP) method in comparison to the polymerase chain reaction (PCR) with respect to SARS-CoV-2 diagnostics; Hochschule Bonn-Rhein-Sieg, **2021**

15. **Gina Spölgén (B.Sc., Forensics):** Validation of SARS-CoV-2 mutation analysis to determine the variant of concern; Hochschule Bonn-Rhein-Sieg, **2022**
16. **Vincenza Lochi (B.Sc., Biologie):** Implementation of EML4-ALK protein translocation recognition via Multiplex Reverse Transcription PCR and Fluorescence in situ hybridisation; Hochschule Bonn-Rhein-Sieg, **2022**

***Supervised Master Thesis:***

1. **Susanne Ziegler (M.Sc., Biologie):** Genotypic resistance testing of HBV; Fachhochschule Bonn-Rhein-Sieg, **2009**
2. **Andrea Krämer (M.Sc., Biologie):** Characterization of a new Adefovir dipivoxil-resistance mutation of the human hepatitis B virus; Fachhochschule Bonn-Rhein-Sieg, **2011**
3. **Anna-Lena Hardt (M.Sc., Biologie):** Comparison of novel multiplex assays for the detection of neurotropic viruses from clinical samples, Hochschule Bonn-Rhein-Sieg, **2013**
4. **Evelina Ikova (M.Sc. Biologie):** Development of a pyrosequencing assay for analysis of GIST/KIT mutations complementing commercial in vitro diagnostic (IVD) methods, Hochschule Bonn-Rhein-Sieg, **2014**
5. **Cara Mia Dunaiski (M.Sc., Biologie):** Studies of the mitochondrial and nuclear genome ratio of the human pathogen *P. jirovecii*, Hochschule Bonn-Rhein-Sieg, **2017**

***Supervised Diploma Theses:***

1. **Damaris Kukuk (Dipl.-Biol.in):** Analyse der Okazaki-Fragmente bei der Frühphase der HSV-1 Replikation; Mathematisch-Naturwissenschaftliche Fakultät der Rheinischen Friedrich-Wilhelms-Universität Bonn, 2004
2. **Sapuna Mary Mathews (Dipl.-Biol.in):** Intrazelluläre Lokalisation temperatursensitiver Varianten des origin binding protein des Humanen Herpes Virus Typ 1; Mathematisch-Naturwissenschaftliche Fakultät der Rheinischen Friedrich-Wilhelms-Universität Bonn, 2004
3. **Peter Stumpf (Dipl.-Biol.):** Analyse der Replikationsintermediate temperatursensitiver HSV 1 Varianten; Mathematisch-Naturwissenschaftliche Fakultät der Rheinischen Friedrich-Wilhelms-Universität Bonn, 2004

***Supervised MD/PhD theses:***

1. **Thomas Bernd Glatzel (Dr. med.):** Genomnachweis von humanem Metapneumovirus (hMPV) bei hospitalisierten Kindern; Rheinische Friedrich-Wilhelms-Universität, Medizinische Fakultät, **2008**

2. **Tilman Felix Geikowski (Dr. med.):** Die Rolle des humanen Metapneumovirus bei der Exazerbation eines Asthma bronchiale und der ambulant erworbenen Otitis media; Universität zu Bonn, Rheinische Friedrich-Wilhelms-Universität, Medizinische Fakultät, **2008**
3. **Dennis Klinkenberg (Dr. med.):** Die klinische Bedeutung des humanen Bocavirus: Eine retrospektive Untersuchung, eine prospektive Studie und eine matched pairs Analyse; Universität zu Bonn, Rheinische Friedrich-Wilhelms-Universität, Medizinische Fakultät, **2009**
4. **Vanessa Ditt (Dr. rer. nat.):** Etablierung von Zellkultur und Tiermodellen zum Studium neu identifizierter Atemwegspathogene (hMPV, hCoV-NL63 und SARS-CoV) Mathematisch-Naturwissenschaftliche Fakultät der Rheinischen Friedrich-Wilhelms-Universität Bonn, **2010**
5. **Susanne Bongardt (Dr. med.):** Einfluß der HMPV und RSV Infektion auf die mitochondriale Genexpression unter dem Aspekt der mitochondrialen Theorie des Alterns; Rheinische Friedrich-Wilhelms-Universität, Medizinische Fakultät, **2012**
6. **Monika Malecki (Dr. rer. nat.):** Studien zur Pathogenese des humanen Bocavirus; Private Universität Witten/Herdecke, Fakultät für Gesundheit, **2013**
7. **Somaya Khalfaoui (PhD, Dr. rer. nat.):** Morphological and Hemeostatic changes in the airway epithelia by the human bocavirus infection in vitro, Private Universität Witten/Herdecke, Fakultät für Gesundheit, **2015**
8. **Isabel Förster (Dr. med.):** Die Rolle der Mikrosatelliteninstabilität beim HBoV-positiven kolorektalen Karzinom, Private Universität Witten/Herdecke, Fakultät für Gesundheit, **2022**
9. **Lea Henriette Vogel (Dr. med):** Epidemiologie von humanen Papillomaviren in Lungenkarzinomen, Private Universität Witten/Herdecke, Fakultät für Gesundheit, **2023**
10. **Vanessa Vedder (Dr. med):** Retrospektive Suche nach Kausalzusammenhängen zwischen Laborparametern der BAL Analytik und der Grunderkrankung, Private Universität Witten/Herdecke, Fakultät für Gesundheit, **2024**
11. **Judith Mletzko (Dr. med):** Study on the epidemiology of Zika virus in a putatively permissive German patient cohort, Private Universität Witten/Herdecke, Fakultät für Gesundheit, **2024**

#### ***Habilitations, MD and PhD theses as co-referee***

1. **Ernst Michael Rodermann (Dr. med.):** Vergleich von zwei dosisreduzierten Proteasehemmerkombinationen mit Indinavir/Rotinavir (400/100 mg vs. 600/100 mg) BID bei therapienaiven HIV-1 infizierten Patienten; Rheinische Friedrich-Wilhelms-Universität, Medizinische Fakultät, **2007**

2. **Nicola Tesch (Dr. med.):** HIV-Therapie mit dem Nukleosidanalogon Abacavir: Hypersensitivitätsreaktionen und HLA-B57-Status; Rheinische Friedrich-Wilhelms-Universität, Medizinische Fakultät, **2008**
3. **Ralf Kastenholz (Dr. med.):** Überprüfung der Wirkung von Strukturierten Therapiepausen auf den virologischen und immunologischen Verlauf bei Patienten mit einer akuten HIV-Infektion; Rheinische Friedrich-Wilhelms-Universität, Medizinische Fakultät, **2008**
4. **Philip Patrick Böhme (Dr. rer. medic.):** Methods to improve and characterize the high capacity adenoviral system. Fakultät für Gesundheit, Universität Witten/Herdecke, **2016**
5. **Dr. med. (UA) Ella A. Naumova (Habilitation):** Fluorid-Bioverfügbarkeit in der Mundhöhle. Fakultät für Gesundheit, Universität Witten/Herdecke, **2016**
6. **Thorsten Bergmann (Dr. rer. nat.):** Gene correction of mutated coagulation factor IX in the context of canine hemophilia B. Fakultät für Gesundheit, Universität Witten/Herdecke, **2018**
7. **Dr. med. Andreas Osterman (Habilitation):** Etablierung, Evaluierung und klinisch-epidemiologische An-wendung virologisch-diagnostischer Methoden während der SARS-CoV-2-Pandemie; Ludwigs-Maximilians-Universität München, **2023**

## J. Other

- Entry into ***Who's Who in Medicine and Healthcare***
- Entry into ***Who's Who in the World***
- Entry into ***Who's Who in Science and Engineering***
- AY825076-Genbank Accession
- Title page Journal of General Virology 85 (7), 2004
- Title page Journal of Medical Microbiology 54 (7), 2005