

## Curriculum Vitae

**Gülşah Gabriel** Professor, Dr. rer. nat  
d.o.b. April 20<sup>th</sup>, 1978, in Xanthi, Greece

### University Education

2013 Habilitation and “venia legendi” in Virology, University of Lübeck  
2006 PhD in Virology, Philipps University of Marburg  
1998–2003 Diploma in Molecular Biology, Philipps University of Marburg

### Scientific Career

Since 2025 Member of Scientific Advisory Board of the Robert Koch Institute, German Federal Ministry of Health (BMG)  
Since 2024 Speaker of Leibniz Lab *Pandemic Preparedness: One Health, One Future* of the Leibniz Association  
Since 2024 Member of the ExpertInnenkreis of the German Federal Ministry for Science, Research and Equality (BMBF) for Pandemic Preparedness  
Since 2022 Member of the ExpertInnenkreis of the German Federal Ministry for Science, Research and Equality (BMBF) EU Gesundheitsforschung  
Since 2022 Member of the ESWI Board of Directors  
Since 2021 Member of the Scientific Advisory Board of Helmholtz CoViPa Consortium  
2021–2022 Member of the Leopoldina Working Group on COVID-19 and Antivirals  
2019–2020 Member of the Working Group One Health of the German Ministry of Economic Cooperation and Development (BMZ)  
Since 2018 Head of Research Department Viral Zoonoses – One Health, Leibniz Institute of Virology (LIV), Hamburg, Germany  
Since 2018 Full Professor (W3) for Viral Zoonoses, University of Veterinary Medicine, Hannover, Germany  
Since 2017 Member of the Leopoldina Committee on Dual Use Research  
2014–2018 Head of Research Unit Viral Zoonoses, Heinrich Pette Institute, Leibniz Institute for Experimental Virology, Hamburg, Germany  
2014–2018 Full Professor (W2) for Viral Zoonoses, University of Lübeck  
2012–2022 Vice-President of the European Scientific Working group on Influenza and other Respiratory Viruses (ESWI)  
2009–2013 Head of DFG Emmy Noether Junior Research Group Influenza Pathogenesis, Heinrich Pette Institute, Leibniz Institute for Experimental Virology, Hamburg, Germany  
2007–2009 Postdoctoral Fellow, Sir William Dunn School of Pathology, University of Oxford, United Kingdom  
2006–2007 Postdoctoral Fellow, Institute of Virology, Philipps University of Marburg, Germany

### Awards and Honors

2024 Nominated for the German Science and Humanities Council (Wissenschaftsrat) by the German Research Foundation (DFG)  
2019 DZIF Prize for Translational Infection Research awarded by the BMBF  
2018 Leibniz Award for Best Minds awarded by the Leibniz Association  
2014 Elected to Germany’s Top 40 under 40 Scientists List, Junge Elite, Capital  
2012 Robert Koch Förderpreis of the City Clausthal-Zellerfeld  
2009–2013 Emmy Noether Research Group Fellowship awarded by the DFG  
2009 ESWI Young Scientist Award

### Citation Record

*Total citations:* 3,726 (Science Direct on April 09<sup>th</sup>, 2026)

## Top-10 selected Publications

Stanelle-Bertram S, Beck S, Mounogou Kouassi N, Schaumburg B, Stoll F, Bai B, ..., Rennieri A and **Gabriel G.** (2023). CYP19A1 mediated sex hormone metabolism promotes severe SARS-CoV-2 disease outcome in males. **Cell Rep Med** 2023; 4(9):101152. doi: [10.1016/j.xcrm.2023.101152](https://doi.org/10.1016/j.xcrm.2023.101152).

Bai T, Chen Y, Beck S, Stanelle-Bertram S, Mounogou NK, Chen T, Dong J, Schneider B, Jia T, Yang J, Wang L, Meinhardt A, Zapf A, Kreienbrock L, Wang D, Shu Y\*, **Gabriel G\***. H7N9 avian influenza virus infection in men is associated with testosterone depletion. **Nat Commun** 2022; 13(1):6936. doi: [10.1038/s41467-022-34500-5](https://doi.org/10.1038/s41467-022-34500-5).

Zickler M, Stanelle-Bertram S, Ehret S, Heinrich F, Lange P, Schaumburg B, Kouassi NM, Beck S, Jaeckstein MY, Mann O, Krasemann S, Schroeder M, Jarczak D, Nierhaus A, Kluge S, Peschka M, Schlüter H, Renné T, Pueschel K, Kloetgen A, Scheja L, Ondruschka B, Heeren J\*, **Gabriel G\***. Replication of SARS-CoV-2 in adipose tissue determines organ and systemic lipid metabolism in hamsters and humans. **Cell Metabolism**. **Cell Metab** 2022; 34(1):1-2. doi: [10.1016/j.cmet.2021.12.002](https://doi.org/10.1016/j.cmet.2021.12.002).

Jacobsen H, Walendy-Gnirß K, Tekin-Bubenheim N, Kouassi NM, Ben-Batalla I, Berenbrok N, Wolff M, Dos Reis VP, Zickler M, Scholl L, Gries A, Jania H, Kloetgen A, Düsedau A, Pilnitz-Stolze G, Jeridi A, Yildirim AÖ, Fuchs H, Gailus-Durner V, Stoeger C, de Angelis MH, Manuylova T, Klingel K, Culley FJ, Behrends J, Loges S, Schneider B, Krauss-Etschmann S, Openshaw P, **Gabriel G.** Offspring born to influenza A virus infected pregnant mice have increased susceptibility to viral and bacterial infections in early life. **Nat Commun** 2021; 12(1):4957. doi: [10.1038/s41467-021-25220-3](https://doi.org/10.1038/s41467-021-25220-3).

Thiele S, Stanelle-Bertram S, Beck S, Kouassi NM, Zickler M, Müller M, Tuku B, Resa-Infante P, van Riel D, Alawi M, Günther T, Rother F, Hügel S, Reimering S, McHardy A, Grundhoff A, Brune W, Osterhaus A, Bader M, Hartmann E, **Gabriel G.** Cellular Importin- $\alpha$ 3 Expression Dynamics in the Lung Regulate Antiviral Response Pathways against Influenza A Virus Infection. **Cell Rep** 2020; 31(3):107549. doi: [10.1016/j.celrep.2020.107549](https://doi.org/10.1016/j.celrep.2020.107549).

Stanelle-Bertram S, Walendy-Gnirß K, Speiseder T, Thiele S, Asante IA, Dreier C, Kouassi NM, Preuß A, Pilnitz-Stolze G, Müller U, Thanisch S, Richter M, Scharrenberg R, Kraus V, Dörk R, Schau L, Herder V, Gerhauser I, Pfankuche VM, Käufer C, Waltl I, Moraes T, Sellau J, Hoenow S, Schmidt-Chanasit J, Jansen S, Schattling B, Ittrich H, Bartsch U, Renné T, Bartenschlager R, Arck P, Cadar D, Friese MA, Vapalahti O, Lotter H, Benites S, Rolling L, Gabriel M, Baumgärtner W, Morellini F, Hölter SM, Amarie O, Fuchs H, Hrabe de Angelis M, Löscher W, Calderon de Anda F, **Gabriel G.** Male offspring born to mildly ZIKV-infected mice are at risk of developing neurocognitive disorders in adulthood. **Nat Microbiol** 2018; 3(10):1161-1174. doi: [10.1038/s41564-018-0236-1](https://doi.org/10.1038/s41564-018-0236-1).

Engels G, Hierweger AM, Hoffmann J, Thieme R, Thiele S, Bertram S, Dreier C, Resa-Infante P, Jacobsen H, Thiele K, Alawi M, Indenbirken D, Grundhoff A, Siebels S, Fischer N, Stojanovska V, Muzzio D, Jensen F, Karimi K, Mittrücker HW, Arck PC\*, **Gabriel G\***. Pregnancy-Related Immune Adaptation Promotes the Emergence of Highly Virulent H1N1 Influenza Virus Strains in Allogeneically Pregnant Mice. **Cell Host Microbe** 2017; 21(3):321-333. doi: [10.1016/j.chom.2017.02.020](https://doi.org/10.1016/j.chom.2017.02.020).

**Gabriel G,** Klingel K, Otte A, Thiele S, Hudjetz B, Arman-Kalcek G, Sauter M, Shmidt T, Rother F, Baumgarte S, Keiner B, Hartmann E, Bader M, Brownlee GG, Fodor E, Klenk HD. Differential use of importin- $\alpha$  isoforms governs cell tropism and host adaptation of influenza virus. **Nat Commun** 2011; 2:156. doi: [10.1038/ncomms1158](https://doi.org/10.1038/ncomms1158).

**Gabriel G,** Dauber B, Wolff T, Planz O, Klenk HD, Stech J. The viral polymerase mediates adaptation of an avian influenza virus to a mammalian host. **Proc Natl Acad Sci U S A** 2005; 102(51):18590-18595. doi: [10.1073/pnas.0507415102](https://doi.org/10.1073/pnas.0507415102).