

Curriculum Vitae Nele Villabruna

Education

2016–2022	PhD program , Department of Viroscience, Erasmus MC, Rotterdam, The Netherlands
2013–2014	Master of Research in Applied Marine Science , University of Plymouth, UK (Distinction)
2009–2013	Bachelor of Science in Biology , University of Basel, Switzerland Major in biology of infection and epidemiology, plant biology, cell biology and neurobiology, and zoology and evolutionary biology
2008	Matur (=Abitur) , Gymnasium Leonhard, Basel, Switzerland

Research experience

4/2016–3/2022	PhD program , Department of Viroscience, Erasmus MC, Rotterdam, The Netherlands <u>PhD thesis</u> : Human norovirus emergence and circulation in humans and animals <u>Supervision</u> : Dr. Miranda de Graaf, Prof. Marion Koopmans
2/2015–2/2016	Research Assistant , Department of Virology, Heidelberg University, Germany <u>Project</u> : Late endosomal trafficking and fusion of <i>phleboviruses</i> <u>Supervision</u> : Dr. Pierre-Yves Lozach
9/2013–9/2014	Master of Research in Applied Marine Science , University of Plymouth, UK <u>Master thesis</u> : Characterization of the <i>Emiliana huxleyi</i> virus protein EHV298 <u>Supervision</u> : Prof. Mike Allen, Dr. Colin Munn

Publications

- 1) **Villabruna N**, Izquierdo-Lara RW, Schapendonk CME, de Bruin E, Chandler F, Thao TTN, Westerhuis BM, van Beek J, Kohns Vasconcelos M, Sigfrid L, Giaquinto C, Goossens H, Bielicki JA, Fraaij PLA, Koopmans MPG and de Graaf M. (2022) Profiling of humoral immune responses to norovirus in children across Europe. *Scientific Reports*, 12:14275. doi.org/10.1038/s41598-022-18383-6
- 2) Van Kampen JJA, Dalm VASH, Fraaij PLA, Oude Munnink BB, Schapendonk CME, Izquierdo-Lara RW, **Villabruna N**, Ettayebi K, Estes MK, Koopmans MPG, de Graaf M. (2022) Clinical and in-vitro evidence favoring immunoglobulin treatment of a chronic norovirus infection in a patient with common variable immunodeficiency. *The Journal of Infectious Diseases*, jiac085, doi.org/10.1093/infdis/jiac085
- 3) **Villabruna N**, Schapendonk CME, Aron GI, Koopmans MPG, de Graaf M. (2021) Human noroviruses attach to intestinal tissues of a broad range of animal species. *Journal of Virology*, 95:e01492-20. doi.org/10.1128/JVI.01492-20
- 4) **Villabruna N**, Izquierdo Lara RW, Szarvas J, Koopmans MPG and de Graaf M. (2020) Phylogenetic investigation of norovirus transmission between humans and animals. *Viruses*, 12(11):p.1287. doi.org/10.3390/v12111287
- 5) **Villabruna N**, Koopmans MPG, de Graaf M. (2019) Animals as reservoir for human norovirus. *Viruses*, 11(5):478. doi.org/10.3390/v11050478
- 6) De Graaf M, **Villabruna N**, Koopmans MPG. (2017) Capturing norovirus transmission. *Current Opinion in Virology*, 22:64-70. doi.org/10.1016/j.coviro.2016.11.008

Awards

- ORKG curation grant 2022** in the field of Microbiology&Virology awarded by the German National Library of Medicine (ZB MED), 2400€
- Student travel award ASV 2020**, \$500

-**International student travel grant** for 7th international Calicivirus Conference 2019 AU\$1,500.
-**Student travel award ASV 2018**, \$500
-**Plymouth Marine Laboratory Prize** for Outstanding Achievement and Best Research Project on MSc Applied Marine Science, 2015

Presentations

1st Workshop One Health and Zoonotic Viruses, oral presentation
"Human noroviruses attach to intestinal tissues of a broad range of animal species"
2022 Goslar, Germany

39th annual meeting of the American Society of Virology, Flash talk & poster presentation
"Immunogenicity and specificity of antibody response against the norovirus capsid protein and non-structural proteins"
2022 Fort Collins, USA (meeting cancelled due to COVID-19 pandemic)

7th international Calicivirus Conference, oral presentation, oral presentation
"The pattern of norovirus attachment varies among species"
2019 Sydney, Australia

General meeting of the Netherland Center for One Health, poster presentation & pitch
"Can norovirus jump the species barrier?"
2019 Nijmegen, the Netherlands

7th European Congress of Virology, poster presentation
"Norovirus attachment to intestinal tissue of different species"
2019 Rotterdam, the Netherlands

Young COMPARE meeting, oral & poster presentation
"Norovirus attachment to intestinal tissue of different species"
2019 Copenhagen, Denmark

37th annual meeting of the American Society of Virology, oral presentation
"Profiling of antibody responses to structural and non-structural proteins after norovirus infection"
2018 Madison, USA

Young COMPARE meeting, oral & poster presentation
"Serological responses to norovirus structural and non-structural proteins after infection"
2017 & 2018 Copenhagen, Denmark

Young Antigone meeting, oral presentation
"Serological responses to norovirus structural and non-structural proteins after infection"
2017 Cambridge, UK

Cell Biology of Viral Infections workshop, oral presentation
"Late endosomal trafficking and fusion of *phleboviruses*"
2015 Schöntal, Germany

Miscellaneous

-**Memberships:** Junge Gesellschaft für Virologie (Junge GfV), German Research Platform for Zoonoses, and the American Society for Virology (ASV)

-**Supervision:** Supervision and co-supervision of several master's students and a senior technician during the course of my PhD project

-**Languages:** German (mother tongue), English (fluent, ESOL Level 3 Certificate), Dutch (Level C2)

-**Scientific reviewing activity:** Reviewing for Journal of Emerging Diseases (ISSN: 1080-6040), Germs (ISSN: 2248-2997), PLoS One (ISSN: 1932-6203), and Open Life Sciences (ISSN: 2391-5412).

-**Organization of blogging workshop for PhDs and PostDocs** "How to communicate your science"
