

Evelien M. Bunnik, Ph.D.

Assistant Professor

Department of Microbiology, Immunology and Molecular Genetics

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EDUCATION

2004 – 2010

Ph.D., University of Amsterdam, The Netherlands, *cum laude*

1998 – 2002

M.S., University of Leiden, The Netherlands, *cum laude***PROFESSIONAL EXPERIENCE**

08/2016 – present

Assistant Professor – Department of Microbiology, Immunology & Molecular Genetics, University of Texas Health Science Center, San Antonio, TX*Profiling naturally acquired protective immunity against malaria*

07/2011 – 08/2016

Postdoctoral Fellow – Department of Cell Biology and Neuroscience, University of California, Riverside, USA. Advisor: Dr. Karine Le Roch
A functional genomics approach to understand gene regulation in the human malaria parasite, Plasmodium falciparum

11/2010 – 06/2011

Scientist – Crucell, Leiden, The Netherlands*Design of a preventative and therapeutic HPV vaccine*

01/2010 – 12/2010

Postdoctoral Fellow – Department of Experimental Immunology, Academic Medical Center, Amsterdam, The Netherlands. Advisor: Prof. Dr. Hanneke Schuitemaker*Evolution of HIV co-receptor usage during natural infection*

11/2004 – 12/2009

Graduate Student – Department of Experimental Immunology, University of Amsterdam, The Netherlands. Advisor: Prof. Dr. Hanneke Schuitemaker*HIV envelope evolution in response to neutralizing antibodies during natural infection*

10/2002 – 09/2003

Research Technician – OctoPlus Technologies, Leiden, The Netherlands*Development of a nanoparticle drug delivery system***FELLOWSHIPS, HONORS AND AWARDS**

2018 Pew Charitable Trusts Scholars Award, Institutional Nominee

2014 Best presentation award, Inaugural Riverside Postdoctoral Association Symposium, University of California, Riverside, CA, USA

2014 Best presentation award, Center for Plant Cell Biology Postdoc Symposium, University of California, Riverside, CA, USA

2013 Poster award, Molecular Parasitology Meeting, Woods Hole, MA, USA

2011 1st prize Academic Medical Center Amsterdam Ph.D. Thesis Award 2010

2010 HFSP long-term post-doctoral fellowship (3 year salary and travel support)

2010 EMBO long-term post-doctoral fellowship (2 year salary support)

2010 Ph.D. degree received *cum laude*

2010 Scholarship award for the Keystone meeting HIV Vaccines, Banff, AB, Canada

- 2008 Travel grant from the Dutch Society of Immunology (NVVI) for the AIDS Vaccine meeting, Cape Town, South Africa
- 2006 Registration award for the AIDS Vaccine meeting, Amsterdam, The Netherlands
- 2006 Scholarship award for the Keystone meeting HIV Pathogenesis, Keystone, CO, USA
- 2002 M.S. degree received *cum laude*
- 1999 Propaedeutic diploma (first year of University studies) received *summa cum laude*
- 1998 Finalist Dutch National Chemistry Olympiad (chemistry competition for high school students)

PROFESSIONAL ORGANIZATIONS AND SERVICE

Membership

- 2016 – present Member, American Association of Immunologists
- 2016 – present Member, American Society of Tropical Medicine & Hygiene
- 2016 – 2019 Member, American Society of Parasitologists
- 2007 – 2011 Member, Dutch Society of Immunology (NVVI)

Reviewer

- 2019 Ad Hoc Grant Reviewer for the American Heart Association
- 2019 Ad Hoc Grant Reviewer for the Dutch Arthritis Society
- 2018 Ad Hoc Grant Reviewer for the Wellcome Trust / DBT India Alliance
- 2014 – present Ad Hoc Reviewer for *Journal of Infectious Diseases*, *Nature Communications*, *Advances in Wound Care*, *EBioMedicine*, *BMC Research Notes*, *Scientific Reports*
- 2012 – 2013 Ad Hoc Grant Reviewer for Dutch AIDS Foundation

DEPARTMENT AND UNIVERSITY COMMITTEES

- 2020 – present Director of the Certificate Program in Computational Biology of the UTHSCSA Integrated Biomedical Sciences PhD Graduate Program
- 2020 – present Member of the Scientific Leadership Committee for the Vaccine Development Center of San Antonio
- 2018 – present Co-organizer of the annual Spring Retreat of the Dept. of Microbiology. Immunology & Molecular Genetics
- 2017 – present Member of the GSBS Admissions Committee
- 2017 – present Director of the MIMG Departmental Microscopy Facility
- 2017 Judge at the Alamo Regional Science & Engineering Fair
- 2015 Co-chair, 5th Annual Southern California Eukaryotic Pathogen Symposium, Riverside, CA, USA

TEACHING EXPERIENCE

- 2021 – **Course Director / Instructor** – INTD6062: Next-Generation Sequencing Data Analysis (Graduate School)
Preparation: 125 hours, Student contact: 32 hours
- 2019 – **Team Teacher** – MICR6052: Advanced Immunology Module 2 (Graduate School)
Preparation: 3 hours, Student contact: 4 hours
- 2018 – **Lecturer** – CIRC5009: Attack and Defense (Medical School)
Preparation: 6 hours, Student contact: 2 hours
- 2018 – **Lecturer / Group Discussion Leader** – IBMS5000: Fundamentals of Biomedical Sciences (Graduate School)
Preparation and exam grading: 4 hours, Student contact: 6 hours

- 2017 – **Lecturer** – MICR5031 Pathogenic Microbiology (Graduate School)
Preparation and exam grading: 6 hours, Student contact: 3 hours
- 2017 – **Lecturer** – MICR5025 Eukaryotic Pathogens (Graduate School)
Preparation and exam grading: 8 hours, Student contact: 3 hours
- 2017 – **Team Teacher** – MICR5029 Building Scientific Thinking Skills (Graduate School)
Preparation and exam grading: 2 hours, Student contact: 1 hours
- 2015 **Instructor** – Upper division undergraduate course “Immunology”, Dept. of Cell Biology and Neuroscience, University of California, Riverside
Two 1.5-hour lectures per week for 80 students during Fall quarter; writing and grading exams (as part of a team of two instructors)
- 2010 **Instructor** – EUROPRISE PhD wet lab training course “B cell immunity”, San Raffaele Scientific Institute, Milan, Italy

Mentorship responsibilities

Postdocs

2019 – 2020 Gayani Batugedara

PhD graduate students

2018 – present Ashley Braddom
2018 – present Raphael Reyes
2017 – present Stephen (Jake) Gonzales

MS graduate students

2021 – present Elizabeth Martinez-Scholze
2020 – present Katie Clarke
2018 – 2019 Melissa Nunez
2017 – 2018 Bayan Fallatah

Other

2017	Hannah Hall	Undergraduate Student
2015 – 2016	Raphael Reyes	Undergraduate Student
2013 – 2016	Xueqing (Maggie) Lu	Graduate Student
2010 – 2011	Santusha Karia	Research Technician
2008 – 2009	Marilie Lobbrecht	Research Technician
2006 – 2007	Linaida Pisas	Research Technician
2007	Mischa Huson	Master’s Student
2006	Sander Zeeman	Master’s Student
2005 – 2006	Evelien Burks	Master’s Student

Student committees

Ph.D. Thesis Committee

2020 – present Jim McLellan (UTSA)
2020 – present Cassidy Daw
2018 – 2020 Daniel Chupp
2018 – 2020 Justin Moroney

M.S. Proposal and Thesis committee

2020 – present Nohelli Brockman

2019 – 2020	Arthur Flores
2019 – 2020	Gretchen Morrison
2019 – 2020	Samantha D'Spain
2018	Brittany McInnis
2018 – 2019	Grecia Morales
2018 – 2019	Vanessa Ortega
2017 – 2018	Aziz Almutairi

Ph.D. Qualifying Exam committee

2021	Alyssa Schami
2021	Stephanie Nortmeyer (Chair)
2021	Kathryn Bailey
2021	Patrick Conway
2020	Yijiang Xu
2020	Raksha Parthasarathy
2020	Cassidy Daw
2019	Ivan Albino Flores
2018	Daniel Chupp
2017	Sergio Cepeda

RESEARCH SUPPORT

Departmental Start-Up Funds	(Bunnik)	08/01/16 –
R21 AI133274	(Bunnik)	02/01/18 – 01/31/21
NIH/NIAID		
Structure and function of protective antibodies from memory B cells against malaria		
Major goal: to elucidate which antibody features are important for protection against disease.		
Role: PI		
Medical Research Award	(Mulenga/Esteve-Gassent)	10/01/19 – 09/30/22
Robert J. Kleberg, Jr. and Helen C. Kleberg Foundation		
Innovative technologies to minimize the risk for the re-emergence of bovine babesiosis in the US		
Major goal: to develop a vaccine that will block Babesia transmission in cattle by targeting antigens in both bovine Babesia species and their tick vector.		
Role: Collaborator		
COVID-19 Institutional Pilot Award	(Bunnik)	04/01/20 – 03/31/21
Long School of Medicine		
Longitudinal analysis of SARS-CoV-2 memory B cell and neutralizing antibody responses after natural infection		
Major goal: to characterize the phenotype and maintenance of neutralizing antibodies and B cells with specificity for the SARS-CoV-2 spike protein receptor binding domain		
Role: PI		
RESEARCH SUPPORT (COMPLETED)		
R21 AI128466	(Bunnik)	01/15/18 – 12/31/20
NIH/NIAID		
Discovery of antibodies against the blood stage of the malaria parasite		

Major goal: to develop an unbiased platform for the isolation of antibodies that interfere with parasite replication during the malaria blood stage.

Role: PI

Formula Animal Health Fund (Mulenga/Esteve-Gassent) 03/01/18 – 08/31/19
Texas A&M University

Development of novel vaccine candidates to prevent the re-emergence of bovine babesiosis in the US

Major goal: to identify potential vaccine candidates in bovine Babesia species and their tick vector to block Babesia transmission in cattle.

Role: Collaborator

RESEARCH PUBLICATIONS

37. Morrison GA, Fu J, Lee GC, Wiederhold NP, Cañete-Gibas CF, **Bunnik EM**, Wickes BL. Nanopore sequencing of the fungal Intergenic spacer (IGS) sequence as a potential rapid, diagnostic assay. **Journal of Clinical Microbiology (2020)**, 58(12):e01972-20.
36. Batugedara G, Lu XM, Saraf A, Sardi ME, Cort A, Abel S, Prudhomme J, Washburn MP, Florens L, **Bunnik EM**, Le Roch KG. The chromatin bound proteome of the human malaria parasite. **Microbial Genomics (2020)**, 6(2).
35. **Bunnik EM**, Venkat A, Shao J, McGovern KE, Batugedara G, Worth D, Prudhomme J, Lapp SA, Andolina C, Ross LS, Lawres L, Brady D, Sinnis P, Nosten F, Fidock DA, Wilson EH, Tewari R, Galinski MR, Ben Mamoun C, Ay F, Le Roch KG. Comparative 3D genome organization in apicomplexan parasites. **Proceedings of the National Academy of Sciences (2019)**, 116(8):3183-3192.
34. **Bunnik EM**, Cook KB, Varoquaux N, Batugedara G, Prudhomme J, Cort A, Shi L, Andolina C, Ross LS, Brady D, Fidock DA, Nosten F, Tewari R, Sinnis P, Ay F, Vert JP, Noble WS, Le Roch KG. Changes in genome organization of parasite-specific gene families during the *Plasmodium* transmission stages. **Nature Communications (2018)**, 9(1):1910.
33. Lu XM, Batugedara G, Lee M, Prudhomme J, **Bunnik EM**, Le Roch KG. Nascent RNA sequencing reveals mechanisms of gene regulation in the human malaria parasite *Plasmodium falciparum*. **Nucleic Acids Research (2017)**, 45(13):7825-7840.
32. Bol S, Caspers J, Buckingham L, Anderson-Shelton GD, Ridgway C, Buffington CA, Schulz S, **Bunnik EM**. Responsiveness of cats (Felidae) to silver vine (*Actinidia polygama*), Tatarian honeysuckle (*Lonicera tatarica*), valerian (*Valeriana officinalis*) and catnip (*Nepeta cataria*). **BMC Veterinary Research (2017)**, 13(1):70.
31. Khan S, Oosterhuis K, Wunderlich K, **Bunnik EM**, Bhaggoe M, Boedhoe S, Karia S, Steenbergen RDM, Bosch L, Serroyen J, Janssen S, Vellinga J, Scheper G, Zahn R, Custers J. Development of a replication-deficient adenoviral vector-based vaccine candidate for the interception of HPV16- and HPV18-induced infections and disease. **International Journal of Cancer (2017)**, 141(2):393-404.
30. **Bunnik EM**, Batugedara G, Saraf A, Prudhomme J, Florens L, Le Roch KG. The mRNA-bound proteome of the human malaria parasite *Plasmodium falciparum*. **Genome Biology (2016)**, 17(1):147.
29. Saraf A, Cervantes S, **Bunnik EM**, Ponts N, Sardi ME, Chung DWD, Prudhomme J, Varberg JM, Wen Z, Washburn MP, Florens L, Le Roch KG. Dynamic and combinatorial landscape of histone modifications during the intra-erythrocytic developmental cycle of the malaria parasite. **Journal of Proteome Research (2016)**, 15(8):2787-2801.
28. **Bunnik EM***, Lu M*, Pokhriyal N, Nasser S, Lonardi S, Le Roch KG. Analysis of nucleosome positioning landscapes enables gene discovery in the human malaria parasite *Plasmodium falciparum*. **BMC Genomics (2015)**, 16(1):1005. (*contributed equally)

27. Bol S, **Bunnik EM**. Lysine supplementation is not effective for the prevention or treatment of feline herpesvirus 1 infection in cats: a systematic review. **BMC Veterinary Research (2015)**, 11:284. (*systematic review*)
26. **Bunnik EM***, Ay F*, Varoquaux N*, Bol SM, Prudhomme J, Vert JP, Noble WS, Le Roch KG. Three-dimensional modelling of the *P. falciparum* genome during the erythrocytic cycle reveals a strong connection between genome architecture and gene expression. **Genome Research (2014)**, 24:974-988. (**contributed equally*)
25. Polishko A, **Bunnik EM**, Le Roch K, Lonardi S. PuFFIN – a parameter-free method to build nucleosome maps from paired-end reads. **BMC Bioinformatics (2014)**, 15(Suppl 9):S11.
24. **Bunnik EM**, Polishko A, Prudhomme J, Ponts N, Gill SS, Lonardi S, Le Roch KG. DNA-encoded nucleosome occupancy is associated with transcriptional levels in the human malaria parasite *Plasmodium falciparum*. **BMC Genomics (2014)**, 15:347.
23. Cervantes S, **Bunnik EM**, Saraf A, Connor C, Escalante A, Sardiu M, Ponts N, Prudhomme J, Florens L, Le Roch K. The multifunctional autophagy pathway in the human malaria parasite, *Plasmodium falciparum*. **Autophagy (2014)**, 10(1):80-92.
22. **Bunnik EM**, Chung DWD, Hamilton M, Ponts N, Saraf A, Prudhomme J, Florens L, Le Roch KG. Polysome profiling reveals translational control of gene expression in the human malaria parasite *Plasmodium falciparum*. **Genome Biology (2013)**, 14(11):R128.
21. Ponts N, Fu L, Harris EY, Zhang J, Chung DWD, Cervantes MC, Prudhomme J, Atanasova-Penichon V, Zehraoui E, **Bunnik EM**, Rodrigues EM, Lonardi S, Hicks GR, Wang Y, Le Roch KG. Genome-wide mapping of DNA methylations in the human malaria parasite *Plasmodium falciparum*. **Cell Host & Microbe (2013)**, 14(6): 696-706.
20. Poon AFY, Swenson LC, **Bunnik EM**, Edo-Matas D, Schuitemaker H, van 't Wout AB, Harrigan PR. Reconstructing the Dynamics of HIV Evolution within hosts from serial deep sequence data. **PLoS Computational Biology (2012)**, 8(11): e1002753.
19. Wang Y, Whittall T, Rahman D, **Bunnik EM**, Vaughan R, Schøller J, Bergmeier LA, Montefiori D, Singh M, Schuitemaker H, Lehner T. The role of innate APOBEC3G and adaptive AID immune responses in HLA-HIV/SIV immunized SHIV infected macaques. **PLoS One (2012)**, 7(4):e34433.
18. Yang GB, Wang Y, Babaahmady K, Schøller J, Rahman D, **Bunnik E**, Spallek R, Zong CM, Duan JZ, Qin C, Jiang H, Singh M, Vaughan R, Bergmeier L, Schuitemaker H, Shao Y, Lehner T. Immunization with recombinant macaque MHC class I and II, HIVgp140 and SIVp27 complex inhibits SHIV infection in macaques. **Journal of General Virology (2012)**, 93(7):1506-1518.
17. Bol SM, Booiman T, Van Manen D, **Bunnik EM**, Van Sighem AI, Sieberer M, Boeser-Nunnink B, De Wolf F, Schuitemaker H, Portegies P, Koostra NA and Van 't Wout AB. Single nucleotide polymorphism in gene encoding transcription factor Prep1 is associated with HIV-1-associated dementia. **PLoS ONE (2012)**, 7(2):e30990.
16. Bol SM, Booiman T*, **Bunnik EM***, Moerland PD, van Dort K, Strauss JF 3rd, Sieberer M, Schuitemaker H, Kootstra NA, van 't Wout AB. Polymorphism in HIV-1 dependency factor PDE8A affects mRNA level and HIV-1 replication in primary macrophages. **Virology (2011)**, 420(1):32-42. (**contributed equally*)
15. **Bunnik EM**, Swenson LC, Edo-Matas D, Huang W, Dong W, Frantzell A, Petropoulos CJ, Coakley E, Schuitemaker H, Harrigan PR, van 't Wout AB. Detection of inferred CCR5- and CXCR4-using HIV-1 variants and evolutionary intermediates using ultra-deep pyrosequencing. **PLoS Pathogens (2011)**, 7(6):e1002106.
14. van Gils MJ, **Bunnik EM**, Boeser-Nunnink BD, Burger JA, Terlouw-Klein M, Verwer N, Schuitemaker H. Longer V1V2 region with increased number of potential N-linked glycosylation sites in the HIV-1 envelope glycoprotein protects against HIV-specific neutralizing antibodies. **Journal of Virology (2011)**, 85(14):6986-95.

13. **Bunnik EM***, Euler Z*, Burger JA, Boeser-Nunnink BD, Grijzen ML, Prins JM, Schuitemaker H. Activity of broadly neutralizing antibodies, including PG9, PG16, and VRC01, against recently transmitted subtype B HIV-1 variants from early and late in the epidemic. **Journal of Virology (2011)**, 85(14):7236-45. (**contributed equally*)
12. Mörner A, Jansson M, **Bunnik EM**, Schøller J, Vaughan R, Wang Y, Montefiori DC, Otting N, Bontrop R, Bergmeier LA, Singh M, Wyatt RT, Schuitemaker H, Biberfeld G, Thorstensson R, Lehner T. Immunization with recombinant HLA classes I and II, HIV-1 gp140, and SIV p27 elicits protection against heterologous SHIV infection in rhesus macaques. **Journal of Virology (2011)**, 85(13):6442-52.
11. **Bunnik EM**, Euler Z, Welkers MRA, Boeser-Nunnink BDM, Grijzen ML, Prins JM, Schuitemaker H. Adaptation of HIV-1 envelope gp120 to humoral immunity at a population level. **Nature Medicine (2010)**, 16(9):995-997.
10. **Bunnik EM**, van Gils MJ, Lobbrecht MSD, Pisas L, Nanlohy NM, van Baarle D, van Nuenen AC, Hessel AJ, Schuitemaker H. Emergence of b12 neutralization resistant HIV-1 variants during natural infection in the absence of humoral or cellular immune pressure. **Journal of General Virology (2010)**, 91(5): 1354-1364.
9. Euler Z, **Bunnik EM***, van Gils MJ*, Phung P, Schweighardt B, Wrin T, Schuitemaker H. Cross-reactive neutralizing humoral immunity does not protect from HIV-1 disease progression. **Journal of Infectious Diseases (2010)**, 201(7): 1045-1053. (**contributed equally*)
8. van Gils MJ, **Bunnik EM**, Burger JA, Jacob Y, Schweighardt B, Wrin T, Schuitemaker H. Rapid escape from preserved cross-reactive neutralizing humoral immunity without loss of viral fitness in HIV-1-infected progressors and long-term non-progressors. **Journal of Virology (2010)**, 84(7): 3576-3585.
7. **Bunnik EM**, Lobbrecht MSD, van Nuenen AC, Schuitemaker H. Escape from autologous humoral immunity of HIV-1 is not associated with a decrease in replicative capacity. **Virology (2010)**, 397(1):224-230.
6. **Bunnik EM**, van Gils MJ, Lobbrecht MSD, Pisas L, van Nuenen AC, Schuitemaker H. Changing sensitivity to broadly neutralizing antibodies b12, 2G12, 2F5, and 4E10 of primary subtype B HIV-1 variants in the natural course of infection. **Virology (2009)**, 390(2):348-355.
5. **Bunnik EM**, Pisas L, van Nuenen AC, Schuitemaker H. Autologous neutralizing humoral immunity and evolution of the viral envelope in the course of subtype B human immunodeficiency virus type 1 infection. **Journal of Virology (2008)**, 82(16):7932-7941.
4. Vermeulen JN, Prins JM, **Bunnik E**, Hack EC, Jurriaans S, Miedema F, Lange JMA, Schuitemaker H. Intravenous Immunoglobulin (IVIg) treatment of human immunodeficiency virus type 1 infected therapy-naïve individuals. **AIDS Research and Human Retroviruses (2007)**, 23(11):1348-1353.
3. **Bunnik EM***, Quakkelaar ED*, van Alphen FPJ, Boeser-Nunnink BDM, van Nuenen AC, Schuitemaker H. Escape of human immunodeficiency virus type 1 from broadly neutralizing antibodies is not associated with a reduction of viral replicative capacity in vitro. **Virology (2007)**, 363(2):447-453. (**contributed equally*)
2. **Bunnik EM**, Quakkelaar ED, van Nuenen AC, Boeser-Nunnink B, Schuitemaker H. Increased neutralization sensitivity of recently emerged CXCR4-using human immunodeficiency virus type 1 strains compared to coexisting CCR5-using variants from the same patient. **Journal of Virology (2007)**, 81(2):525-531.
1. Vader LW, Stepniak DT, **Bunnik EM**, Kooy YM, de Haan W, Drijfhout JW, van Veelen PA, Koning F. Characterization of cereal toxicity for celiac disease patients based on protein homology in grains. **Gastroenterology (2003)**, 125(4):1105-1113.

REVIEWS AND BOOK CHAPTERS

10. Gonzales SJ, Reyes RA, Braddom AE, Batugedara G, Bol S, **Bunnik EM**. Naturally acquired humoral immunity against *Plasmodium falciparum* malaria. **Frontiers in Immunology (2020)**, 11:594653. (review)
9. Braddom AE, Batugedara G, Bol S, **Bunnik EM**. Potential functions of atypical memory B cells in *Plasmodium*-exposed individuals. **International Journal for Parasitology (2020)**, 50(13):1033-1042. (review)
8. Batugedara G, Lu XM, **Bunnik EM**, Le Roch KG. The role of chromatin structure in gene regulation of the human malaria parasite. **Trends in Parasitology (2017)**, 33(5):364-377. (review)
7. **Bunnik EM**, Le Roch KG. Epigenetics of malaria parasites. Epigenetics and infectious diseases. (2016) Springer, edited by J Casadesus, W Doerfler, P Boehm and M Noyer-Weidner. (book chapter)
6. **Bunnik EM**, Le Roch KG. Mechanisms regulating transcription in *Plasmodium falciparum* as targets for novel antimalarial drugs. Analysis of parasite biology – from metabolism to drug discovery. (2016) Wiley, edited by S Muller, R Cerdan, E Guca and O Radulescu. (book chapter)
5. **Bunnik EM**, Le Roch KG. PfAlba1: master regulator of translation in the malaria parasite. **Genome Biology (2015)**, 16(1):221. (Research Highlight)
4. **Bunnik EM***, Ay F*, Varoquaux N, Vert J-P, Noble WS, Le Roch KG. Multiple dimensions of gene regulation in the malaria parasite *Plasmodium falciparum*. **BioEssays (2015)**, 37(2):182-194. (*contributed equally; invited review)
3. **Bunnik EM**, Le Roch KG. *Plasmodium* »Nucleosome«. Encyclopedia of Malaria. Springer, edited by M Hommel and PG Kremsner. ISBN 978-1-4614-8325-0. **Due July 2018**. (book chapter)
2. **Bunnik EM**, Le Roch KG. An introduction to functional genomics and systems biology. **Advances in Wound Care (2013)**, 2(9): 490-498. (review)
1. Polonis VR, Schuitemaker H, **Bunnik EM**, Brown BK, Scarlatti G. Impact of host cell variation on the neutralization of HIV-1 in vitro. **Current Opinions in HIV and AIDS (2009)**, 4:400-407. (review)

SELECTED ORAL PRESENTATIONS

- | | |
|---------|---|
| 09/2019 | University of Texas San Antonio, South Texas Center for Emerging Infectious Diseases Seminar Series, San Antonio, TX, USA. <i>B cell immunity against malaria</i> |
| 02/2019 | Keystone Conference: Molecular Approaches to Vaccines and Immune Monitoring, Keystone, CO, USA. <i>Naturally acquired protective humoral immunity against malaria</i> . |
| 06/2017 | University of Texas San Antonio, Vector-Borne Disease Symposium, San Antonio, TX, USA. <i>Genome organization during the life cycle of the malaria parasite Plasmodium falciparum</i> . (Invited Speaker) |
| 03/2017 | Trinity University, Biology Department Seminar Series, San Antonio, TX, USA. <i>Genome organization during the life cycle of the malaria parasite Plasmodium falciparum</i> . (Invited Speaker) |
| 02/2017 | University of Texas Health Science Center at San Antonio, Department of Pediatrics Seminar Series, San Antonio, TX, USA. <i>Genome organization during the life cycle of the malaria parasite Plasmodium falciparum</i> . (Invited Speaker) |
| 10/2016 | University of Texas San Antonio College of Sciences Research Day, San Antonio, TX, USA. <i>Dynamic changes in genome organization during the life cycle of the malaria parasite, Plasmodium falciparum</i> . (Invited Speaker) |

- 09/2014 Molecular Parasitology Meeting, Woods Hole, MA, USA. *The association between chromatin structure and gene regulation in the human malaria parasite Plasmodium falciparum.*
- 09/2014 Inaugural Riverside Postdoctoral Association Symposium, Riverside, CA, USA. *Gene regulation in the human malaria parasite Plasmodium falciparum. (Best presentation award)*
- 06/2014 1st Annual UCR CEPCEB Postdoc Symposium, Riverside, CA, USA. *The role of chromatin structure in gene regulation in the human malaria parasite Plasmodium falciparum. (Best presentation award)*
- 10/2013 3rd Annual Southern California Eukaryotic Pathogen Symposium, Riverside, CA, USA. *The three-dimensional architecture of the Plasmodium genome throughout the asexual cell cycle.*
- 09/2013 Molecular Parasitology Meeting, Woods Hole, MA, USA. *Polysome profiling reveals translational control of gene expression in the human malaria parasite Plasmodium falciparum.*
- 11/2012 2nd Annual Southern California Eukaryotic Pathogen Symposium, Riverside, CA, USA. *Polysome profiling in Plasmodium falciparum: evidence for regulation of gene expression at the translational level.*
- 04/2011 Dutch Society for Medical Microbiology, Papendal, The Netherlands. *Adaptation of HIV-1 envelope glycoprotein to humoral immunity at a population level*
- 11/2009 Dutch HIV conference, Amsterdam, The Netherlands. *Adaptation of HIV-1 envelope glycoprotein to humoral immunity at a population level.*
- 11/2007 EUROPRISE network meeting, Siena, Italy. *Antibody neutralization and Env evolution over the course of HIV-1 infection.*