

Sebastiaan Bol, Ph.D.

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Work experience

- 2016 – Present **Senior Research Scientist and Laboratory Manager**, Bunnik Lab, Department of Microbiology Immunology and Molecular Genetics, The University of Texas Health Science Center at San Antonio, San Antonio, TX, USA
- 2014 – 2016 Laboratory Assistant II, Rolshausen Lab, Department of Botany & Plant Sciences, University of California Riverside, Riverside, CA, USA
- 2011 – 2013 **Postdoctoral Fellow**, Le Roch Lab, Department of Cell Biology & Neuroscience, University of California Riverside, Riverside, CA, USA

Education

- 2015 – present Veterinary Technician, Penn Foster College (Semester 2). Semester 1 QPA 3.63 (Dean's List)
- 2007 – 2011 **Ph.D.**, Schuitemaker Lab, Department of Experimental Immunology, University of Amsterdam, Amsterdam, The Netherlands
- 2003 – 2007 **M.Sc.**, Medical Biotechnology, Wageningen University, Wageningen, The Netherlands
- 2002 Erasmus Programme International Internship, Department of Clinical Nutrition, University of Kuopio, Kuopio, Finland
- 1999 – 2003 **B.Sc.**, Nutrition & Dietetics, University of Amsterdam, Amsterdam, The Netherlands
- 1994 – 1997 **Associate Degree**, Economics & Business Administration, Oosterborch College, Enschede, The Netherlands

Honors & awards

- 2017 My Green Lab - June Green Labs Champion
- 2016 Veterinary Record Evidence Award (shortlisted)
- 2016 First platinum certified green lab at the University of California Riverside
- 2007 M.Sc. degree received *cum laude*
- 2004 Novartis Dietetics Award (EUR 2,500) for best Nutrition & Dietetics thesis in The Netherlands
- 2003 Bachelor degree received *cum laude*
- 2002 Erasmus Mundus scholarship

Scientific publications

10. Pouzoulet J, Rolshausen PE, Schiavon M, **Bol S**, Travadon R, Lawrence D, Baumgartner K, Ashworth VE, Comont G, Corio-Costet MF, Pierron RJG, Besson X, Jacques A, A method to detect and quantify *Eutypa lata* and *Diplodia seriata/intermedia* complex DNA in grapevine pruning wounds, **Plant Disease** (2017) 101(8):1470-1480
9. **Bol S**, Caspers J, Buckingham L, Anderson-Shelton GD, Ridgway C, Buffington CAT, 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 [8,647 accesses; Altmetric Attention Score of 259, ranking the paper **top 1%**]
8. **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 [13,638 accesses; Altmetric Attention Score of 31, ranking the paper **top 1%**]
7. 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
6. **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, 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
5. **Bol SM**, Booiman T, Bunnik EM, Moerland P, Van Dort K, Straus III, J, Sieberer M, Schuitemaker H, Kootstra NA, Van 't Wout AB, Polymorphism in HIV-1 dependency factor PDE8A affects gene expression and HIV-1 replication in primary macrophages, **Virology** (2011) 420(1):32-42
4. Van Manen D, Delaneau O, Kootstra NA, Boeser-Nunnink BD, Limou S, **Bol SM**, Burger JA, Zwinderman AH, Moerland PD, Van 't Slot R, Zagury JF, Van 't Wout AB, Schuitemaker H, Genome-wide association scan in HIV-1-infected individuals identifying variants influencing disease course, **PLoS ONE** (2011) 6(7):e22208
3. **Bol SM**, Moerland P, Limou S, Van Remmerden Y, Coulonges C, Van Manen D, Herbeck JT, Fellay J, Van 't Slot R, Schuitemaker H, Van 't Wout AB, Genome-wide association study identifies single nucleotide polymorphism in DYRK1A associated with replication of HIV-1 in monocyte-derived macrophages, **PLoS ONE** (2011) 6(2):e17190
2. **Bol SM**, Cobos-Jiménez V, Kootstra NA, Van 't Wout AB, HIV-1 and the macrophage, **Future Virology** (2011) 6(2):187-208
1. **Bol SM**, Van Remmerden Y, Sietzema JG, Kootstra NA, Schuitemaker H, Van 't Wout AB, Donor variation in in vitro HIV-1 susceptibility of monocyte-derived macrophages, **Virology** (2009) 390(2):205-11

Poster presentations

2010, February 16-19 | **San Francisco, CA, USA**

Conference on retroviruses and opportunistic infections (CROI)

Discovery of common genetic variants associated with in vitro HIV-1 replication in monocyte-derived macrophages

2009, May 18-23 | **Cold Spring Harbor, NY, USA**

Retroviruses

Donor variation in in vitro HIV-1 susceptibility of monocytes-derived macrophages

2009, April 19-21 | **Colombaro di Corte Franca, Italy**

International workshop on HIV, cells of macrophage/dendritic lineage and other reservoirs

Donor variation in in vitro HIV-1 susceptibility of monocytes-derived macrophages

Teaching experience & mentor responsibilities

2017 – present Jake Gonzales (graduate student), Bayan Fallatah (master student), Kimberley Wimberly (graduate student), Abdulaziz Almutairi (master student)

2017 Hannah Hall (undergraduate student)

2014 – 2016 Raphael Reyes and Vanessa Escolero (undergraduate students)

2011 – 2013 Manuel Torres (undergraduate student)

2007 – 2011 Arian Malekzadeh, Dieuwke de Haan (undergraduate students), Yvonne van Remmerden, Margit Sieberer (research technicians)

2009 – 2010 Guest lecturer | Instructed the hands-on laboratory module *Virus Detection*

News media

“Herding cats”, **San Antonio Magazine** (magazine), November 2017

“Onbekend maar zeker niet onbemind; alternatieven voor kattenkruid”, **Voor de Poes Magazine** (magazine), #4 October-December 2017

“Researching cat nirvana in Mico”, **San Antonio Express-News** (newspaper), 09/12/2017

“Three other plants act like catnip to drive kitties nuts”, **Daily Mail** (website), 03/22/2017

“Catnip ain’t the only plant that’ll send your kitty to blissville”, **WIRED** (website), 03/21/2017

“Lysine for FHV? Researchers Say Don’t Bother”, **Veterinary Practice News** (magazine), January 2016

“Cattios provide safe havens for felines”, **Press Enterprise** (newspaper), 11/02/2015

Other

- **HTML & CSS.** Developed and maintaining websites, among others www.BunnikLab.org and www.CowboyCatRanch.org
- **Founder and CEO** of Cowboy Cat Ranch (Est. 2016), a non-profit organization that combines performing self-funded scientific feline research with education of cat care givers and providing a forever home to cats in need
- Member of **Green Initiatives Committee** at The University of Texas Health Science Center at San Antonio (2017 – present)
- **Indoor Cycling Instructor**, Canyon Crest Athletics Club, Riverside, CA (2013 – 2014)
- Indoor Cycling Instructor Certification (Mad Dog Athletics, 2013)
- **Head Coach Cross Country & Track**, Arlington High School, Riverside, CA (2013 – 2014)
- American College of Sports Medicine **Certified Personal Trainer** (2013)
- Passed California Basic Educational Skills Test (CBEST) (2013)
- Running Coach Certification, Road Runners Club of America (2012) and USA Track & Field (2013)
- Running Coach, Riverside Road Runners, Riverside, CA (2011 – 2015)