

# CURRICULUM VITAE

## David J. Speicher, PhD DTM

Canadian Virologist and Molecular Epidemiologist

*h-index = 14 (Google Scholar)*

### Business Address

University of Guelph

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Guelph ON N1G 2W1

Mobile: 705-571-3898

## Educational Background



### Post-doctoral Fellow (Bioinformatics and Molecular Epidemiology)

McMaster University, Department of Biochemistry and Biomedical Sciences

M.G. DeGroot Institute for Infectious Disease Research

Hamilton, Ontario, Canada

*“Clostridioides difficile strain divergence and transmission in Southern Ontario”*

Supervisor: Dr. Andrew G. McArthur



### Post-doctoral Fellow (Molecular and Clinical Microbiology)

McMaster University, Department of Pathology and Molecular Medicine

M.G. DeGroot Institute for Infectious Disease Research

Hamilton, Ontario, Canada

*“Oral diagnostics of viruses” and “C. difficile and associated phages”*

Supervisor: Dr. Marek Smieja



2007 – 2012



### PhD (Virology)

Griffith University, Department of Dentistry and Oral Health

Menzies Health Institute Queensland

Gold Coast Campus, Gold Coast, Queensland, Australia

*“Characterization of Human Herpesvirus 8 in Australia and Kenya”*

Supervisor: Professor Newell W. Johnson CMG

2005 – 2006



### MSc with Honours (Clinical Microbiology)

Griffith University, School of Biomolecular and Biomedical Sciences

Sir Albert Sakzewski Virus Research Centre (Royal Children's Hospital)

Brisbane, Queensland, Australia

Project 1: *“Incidence and emergence of respiratory viruses in QLD, Australia.”*

Project 2: *“Expression and purification of Coronavirus nucleocapsid proteins.”*

Supervisor: Associate Professor Theo Sloots

1999 – 2003



### BSc. with Honours (Maj: Biology; Min: Chemistry)

Redeemer University College, Ancaster, Ontario, Canada

Undergraduate Project on *Rhodnius prolixus*

Supervisor: Dr. Gary Chiang

**Certificates**

- 2019 Canada Good Clinical Practice (GCP) Certification, CITI Program, Canada
- 2018 Distinguished Toastmaster, Toastmasters International
- 2018 Teaching and Learning Scholar, Macpherson Institute, McMaster University, Hamilton, ON, Canada
- 2018 Foundations of Project Management, Mitacs, McMaster, University, Hamilton, ON, Canada
- 2017 Teaching and Learning Foundations, Macpherson Institute, McMaster, University, Hamilton, ON, Canada
- 2014 Advanced Safety in the Field (ASITF), United Nations Department of Safety and Security
- 2014 Basic Safety in the Field II (BSITF II), United Nations Department of Safety and Security

**Honours, Awards, and Scholarships**

- 2022 Local Volunteer of the Year Award, Delta Waterfowl
- 2022 \$5,000. 3<sup>rd</sup> place, 7<sup>th</sup> Sunstar World Perio Research Awards. Sunstar Foundation in collaboration with the Journal of Clinical Periodontology, Journal of Dental Research, Journal of Periodontology, Journal of Periodontology Research.
- 2020 Faculty of Health Sciences Postdoctoral Leadership Award, McMaster, University, Hamilton, ON, Canada
- 2016 Research Institute Post-Doctoral Fellowship Award, St Joseph's Healthcare Hamilton, Hamilton, ON, Canada
- 2014 Best Poster, 7th World Workshop on Oral Health & Disease in AIDS. Hyderabad, India. November 6-9, 2014.
- 2009 Travel Grant, The Mouth and AIDS: The Global Challenge, April 21-24, 2009, Beijing, China
- 2010 – 2011 Completion Assistance Postgraduate Research Scholarship, Griffith University, QLD, Australia
- 2008 – 2010 Griffith University Postgraduate Research Scholarship, Griffith University, QLD, Australia
- 2007 – 2012 Griffith University International Postgraduate Research Scholarship, Griffith University, QLD, Australia
- 2007 School of Dentistry and Oral Health Postgraduate Research Scholarship, Griffith University, QLD, Australia
- 2006 Griffith Award for Academic Excellence 2006, Griffith University, QLD, Australia
- 2005 Griffith Award for Academic Excellence 2005, Griffith University, QLD, Australia

**Professional Organizations**

2021 – Present	Scientific and Medical Advisory Committee, Canadian COVID Care Alliance
2007 – Present	American Society for Microbiology
2005 – Present	Toastmasters International
2019 – 2020	Canadian Association of Postdoctoral Scholars
2016 – 2020	Association of Medical Microbiology and Infectious Disease Canada (AMMI)
2006 – 2014	The Australian Society for Microbiology Inc

**Employment History****Academic**

2021 – Present	Senior Research Associate, University of Guelph, Guelph, ON, Canada
2015 – Present	Honorary Professor, Sree Balaji Dental College & Hospital, Balaji University, Chennai, Tamil Nadu, India
2022 – 2023	Visiting Professor, Redeemer University, Ancaster, ON, Canada
2022 – 2023	Sessional Assistant Professor, Redeemer University, Ancaster, ON, Canada
2022 – 2022	Director of Scientific Operations, Novometrix Research Inc, Guelph, ON, Canada
2021 – 2022	Lab and R&D Director, Multiplex Genomics, Guelph, ON, Canada
2021 – 2021	Laboratory Scientist, Epitome Genetics, Kitchener, ON, Canada
2018 – 2022	Research Associate, St Joseph's Healthcare Hamilton, Hamilton, ON, Canada
2014 – 2022	Senior Research Fellow (Adj), Menzies Health Institute Queensland, Griffith University, QLD, Australia
2014	Senior Research Fellow, Griffith Health Institute, Griffith University, Australia
2011 – 2013	Research Fellow, Griffith Health Institute, Griffith University, QLD, Australia
2001 – 2004	Laboratory Technician, Redeemer University College, Ancaster, ON, Canada

**Scholarly & Professional Activities****Executive Positions**

2018 – 2020	Co-chair, Executive Committee, Faculty of Health Sciences Postdoctoral Association, McMaster, University, Hamilton, ON, Canada
2016 -- 2018	Inter Campus Liaison Officer, Executive Committee, Faculty of Health Sciences Postdoctoral Association, McMaster, University, Hamilton, ON, Canada

**Professional Development**

- 2021 Project Management for Research and Evaluation, RPM, Toronto, ON, Canada
- 2021 Grant Writing Webinar Series, American Society of Microbiology
- 2021 Manuscript Writing and Publishing for Scientists, American Society of Microbiology
- 2019 23<sup>rd</sup> Biennial Evergreen International Phage Meeting. Olympia, WA, USA.
- 2019 High Performance Computing & Machine Learning, SHARCNET and University of Toronto, McMaster, University, Hamilton, ON, Canada
- 2018 Software/Data Carpentry Workshop, McMaster, University, Hamilton, ON, Canada
- 2018 'OMICS and Epidemiology workshop, McMaster, University, Hamilton, ON, Canada
- 2017 12 Irrefutable Laws of Leadership, The John Maxwell Team
- 2017 Instructional Skills Workshop, Macpherson Institute, McMaster University, Hamilton, ON, Canada
- 2017 Essentials of Productive Teams, Mitacs, McMaster University, Hamilton, ON, Canada
- 2016 2<sup>nd</sup> Global Health Diagnostics Course, McGill Summer Institute in Infectious Diseases and Global Health, McGill University, Montreal, Quebec, Canada
- 2007 Virology Master Class, June 18-29, 2007, University of Adelaide, South Australia, Australia

**Journal Editorships**

- 2023 MDPI biomedicines, Special Issue "Molecular Detection of Infectious Diseases"

**Journal Referee (ad hoc)**

- BMC Cancer - 2023
- BMC Oral Health - 2023
- Clinical Case Reports (Wiley) - 2020
- Computational and Structural Biotechnology Journal - 2020
- Current Gene Therapy (Bentham Science Publishers) - 2017
- Diagnostic Microbiology and Infectious Diseases (Elsevier) - 2014
- International Journal of Molecular Sciences - 2020
- Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology (Elsevier) - 2020
- Pathology (Elsevier) – 2015
- Infection (Springer Nature) - 2023

**Peer Review Activities**

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|------------------|---|
| 2021             | Symposium Reviewer, COVID-19 & Public Health Forum, CPHA Conference   |
| 2019, 2020, 2023 | Merit Judge, Bay Area Science and Engineering Fair, Hamilton, ON, Canada  |
| 2019             | Poster Judge, Medical Sciences Research Day, Faculty of Health Sciences, McMaster, University, Hamilton, ON, Canada |
| 2017 – 2019      | Poster Judge, IIDR Trainee Day, McMaster University. Hamilton, ON, Canada   |

**Contribution of Scientific Societies**

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|----------------|---|
| 2021 – Present | Scientific Advisor, Scientific and Medical Advisory Committee, Canadian COVID Care Alliance |
| 2009 – 2011    | Co-chair of the Australian Society for Microbiology Student special interest group          |
| 2008 – 2009    | Student Representative for Australian Society for Microbiology Queensland                   |

**Professional Activities**

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|------|---|
| 2023 | Expert Witness, Detection of SARS-CoV-2 by PCR, National Citizen's Inquiry, May 18, 2023.   |
| 2022 | Faculty Panellist, Take Your Kids to Work Day, November 3, 2022, Redeemer University, Ancaster, ON, Canada  |
| 2022 | Faculty Panellist, Campus Visit Day, October 14, 2022, Redeemer University, Ancaster, ON, Canada  |
| 2020 | Interviewee for 2 student groups, Exploring Perspectives on Disability (EPOD) learning event, School of Rehabilitative Science, McMaster University, Hamilton, ON, Canada   |
| 2019 | Interviewee for 1 student group, Exploring Perspectives on Disability (EPOD) learning event, School of Rehabilitative Science, McMaster University, Hamilton, ON, Canada  |
| 2019 | Co-host and Workshop Chair, Phage Directory with Dr. Jessica Sacher and Jan Zheng, BBS Seminar Series, School of Biochemistry and Biomedical Sciences, Faculty of Health Sciences, McMaster University, Hamilton ON, Canada. December 10, 2019. |
| 2018 | Interviewee for 1 student group, Exploring Perspectives on Disability (EPOD) learning event, School of Rehabilitative Science, McMaster University, Hamilton, ON, Canada  |
| 2017 | Organizing Committee and Chief Judge, IIDR Trainee Day, McMaster University. Hamilton, ON, Canada   |
| 2009 | Organizing Committee, Gold Coast Health and Medical Research Conference. Gold Coast, QLD, Australia.  |

**Areas of Interest****Research:**

Infectious diseases, Virology, Bacteriology, Phages, Phage Therapy, Diagnostics, Saliva, Clinical and Molecular Epidemiology, Surveillance, Serology, Molecular Methods, Oral Cancer, Sexual Transmitted Diseases, Coronaviruses, Emerging and Tropical Diseases, *Clostridioides difficile*, Antimicrobial Resistance, One Health Initiatives

**Teaching:**

Infectious diseases, Virology, Epidemiology, Diagnostics, Laboratory Methods, Genetics

## Teaching and Supervision

### Courses Taught

*Teaching portfolio available upon request.*

#### **Undergraduate**

BIO-463/CHE-463	Advanced Techniques in Biochemistry & Molecular Biology (2023), Redeemer University, Canada
BIO-261	Genetics (2023), Redeemer University, Canada
BIO-351	Microbiology (2022), Redeemer University, Canada
2015MSC	Laboratory Instructor (February to April 2007), Griffith University, Australia

### Supervisorships

#### **PhD Students (completed)**

Surani Fernando	School of Dentistry and Oral Health, Griffith University, QLD, Australia “Assessing maternal, environmental, and individual risk factors for dental caries in a population of children from Queensland, Australia. Supervisors: Newell W. Johnson, Paul Scuffham, Rodney Lea, <b>David J. Speicher</b> 2015 – 2018
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#### **MSc Students (completed)**

Bradley McInnes	School of Dentistry and Oral Health, Griffith University, QLD, Australia “Production of a plasmid construct to produce a new qPCR assay for the detection of Human Herpesvirus 8” Degree: MSc in Clinical Microbiology Supervisors: Newell W. Johnson and <b>David J. Speicher</b> July – October 2009
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#### **Undergraduate Students (completed)**

Victoria Kashchuk	School of Dentistry and Oral Health, Griffith University, QLD, Australia “Prevalence of HHV-8 in an HIV-negative population in Gold Coast, Australia” Degree: BDS with Honours Funding: Colin Cormie Grant via the Australian Dental Research Foundation Supervisors: Newell W. Johnson and <b>David J. Speicher</b> February 2014 – September 2015
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#### **External Examiner - PhD Defense**

Laura Gilbert	June 2022	Memorial University
Recent developments in early detection strategies and population-based screening: the perspectives of cervical cancer and COVID-19		

**Guest Lecturing**

“Respiratory Viruses and COVID-19” (Nov 14, 2023) in Microbiology (BIO-351), Redeemer University

“Immunology” (June 26, 2019) in Human Physiology (KINE 2P09), Brock University

**Research Funding**

Principal investigator(s) name underlined on grants listed below. My name is in **bold**.

**Project Grants Under Review**

None

**Project Grants Funded**

2022	Funding Agency:	Social Sciences and Humanities Research Council (SSHRC), Canada
	Program Type	New Frontiers in Research Fund - Special Call 2022
	Amount:	\$500,000
	Project Title:	Transparency and shared responsibility for sustainable post-pandemic recovery and evidence-informed decision-making during future global emergencies.
	Investigators:	<u>Rinner C</u> , <u>Chaufan C</u> , <u>Chow C</u> , <u>Weirsmas E</u> , <u>Rangel J</u> , <u>Wang Y</u> , Aversa J., Francis D, Klakura J, Manwell J, <b>Speicher D</b> , Zimmerman J, Valente A, Grandsman A, Welsh D.
2016 (Completed)	Funding Agency:	Australian Dental Research Foundation Inc., Australia
	Amount:	\$14,821
	Project Title:	Identifying inherited epigenetic and microbiomic influences of dental caries.
	Investigators:	Fernando S, <b>Speicher DJ</b> , Lea RA, Johnson NW
2013 (Completed)	Funding Agency:	Griffith Health Institute, Griffith University, Australia
	Amount:	\$15,000
	Project Title:	Maternal, paternal, environmental and genetic influences on dental caries in children.
	Investigators:	Johnson NW, Scuffham PA, Griffiths LR, Fernando S, Lea RA, <b>Speicher DJ</b>
2012 (Completed)	Funding Agency:	School of Dentistry and Oral Health, Griffith University, Australia
	Amount:	\$5,000
	Project Title:	Detection of Human Immunodeficiency Virus, Human Herpesviruses and Human papillomavirus in Oral Fluids from HIV-positive Patients in Chennai, India.
	Investigators:	<b>Speicher DJ</b> and <u>Johnson NW</u>
2012 (Completed)	Funding Agency:	Griffith Health Institute, Griffith University, Australia
	Amount:	\$15,000
	Project Title:	Development of a serological algorithm for carriage of, or infection with, HHV-8 for use in Australia, India, and Papua New Guinea.
	Investigators:	<b>Speicher DJ</b> and <u>Johnson NW</u>

**Project Grants Funded continued...**

2012 (Completed)	Funding Agency: Amount: Project Title: Investigators:	DNA Genotek Grant Program, Canada \$25,000 plus 400 collection kits. Salivary diagnosis of HIV, HHV-8 and HPV in two distinct HIV-positive populations: Port Moresby, Papua New Guinea and Chennai, India. <b><u>Speicher DJ</u></b> and Johnson NW
2011 (Completed)	Funding Agency: Amount: Project Title: Investigators:	Australian Dental Research Foundation Inc., Australia \$10,271 Salivary diagnostics of HHV-8 and HPV in Port Moresby, Papua New Guinea: a controlled study of HIV positive and negative subjects. <b><u>Speicher DJ</u></b> , Amarasighe H, Johnson NW
2011 (Completed)	Funding Agency: Amount: Project Title: Investigators:	Australian Dental Research Foundation Inc., Australia \$5,500 Saliva as a diagnostic fluid for Human Herpesvirus 8 carriage in man: a controlled study of HIV positive and negative subjects. <b><u>Speicher DJ</u></b> , Johnson NW
2011 (Completed)	Funding Agency: Amount: Project Title: Investigators:	Griffith Health Institute, Griffith University, Australia \$15,000 Herpesviruses and human papillomavirus in oral fluids from HIV-positive patients in India. <u>Johnson NW</u> and <b><u>Speicher DJ</u></b>

**Equipment Grants**

2013	Funding Agency: Amount: Equipment: Investigators:	Griffith University, Australia \$32,000 Taylor Wharton Vapour Phase Cryotank <u>Hamlet S</u> and <b><u>Speicher DJ</u></b>
2012	Funding Agency: Amount: Equipment: Investigators:	Griffith University, Australia \$55,930 Bio-Rad Gel Doc Ezy, Tecan HydroSpeed Plate Washer, Infors Ecotron with cooling, Memmert Incubator INE550 <b><u>Speicher DJ</u></b>
2011	Funding Agency: Amount: Equipment: Investigators:	Griffith University, Australia \$21,000 Biometra TProfessional PCR Thermocyclers <b><u>Speicher DJ</u></b>
2010	Funding Agency: Amount: Equipment: Investigators:	Griffith University, Australia \$190,000 Eppendorf EpMotion 5075 TMX, Roche LC480 Real-Time PCR machine <u>Hamlet S</u> and <b><u>Speicher DJ</u></b>

**External Grant Reviews**

2016 Project Grants, National Research Foundation, South Africa



## Lifetime Publications

### Book Chapters

1. **Speicher DJ**, Nasir JA, Zhou P, Anderson DE (2021) Whole-Genome Sequencing of Pathogens in Saliva: A Target-Enrichment Approach for SARS-CoV-2. In: Adami G.R. (eds) The Oral Microbiome. Methods in Molecular Biology, vol 2327. Humana, New York, NY. [https://doi.org/10.1007/978-1-0716-1518-8\\_8](https://doi.org/10.1007/978-1-0716-1518-8_8)
2. **Speicher DJ**, Aziz RK (2021) Profiling the Human Oral Mycobiome in Tissue and Saliva Using ITS2 DNA Metabarcoding Compared to a Fungal-Specific Database. In: Adami G.R. (eds) The Oral Microbiome. Methods in Molecular Biology, vol 2327. Humana, New York, NY. [https://doi.org/10.1007/978-1-0716-1518-8\\_15](https://doi.org/10.1007/978-1-0716-1518-8_15)
3. Johnson NW, Gupta B, **Speicher DJ**, Ray CS, Shaikh MH, Al-Hebshi N, Gupta PC. Chapter 2. Etiology and risk factors. In: Shah JP, Johnson NW, editors. Oral and oropharyngeal cancer. 2nd ed. Boca Raton: CRC Press, Taylor & Francis Group; **2018**. p. 19–94.
4. **Speicher DJ**, Ali M, Smieja M. Respiratory Viruses. Manual of Molecular and Clinical Laboratory Immunology, Eighth Edition: American Society of Microbiology; **2016**. <https://doi.org/10.1128/9781555818722.ch63>.
5. **Speicher DJ**, Johnson NW: Improving the detection of human herpesvirus-8 in AIDS patients. In: Research priorities for meeting oral health goals in developing countries. edn. Edited by Rahmatulla M, Shah N. Hyderabad: Indian Academy for Advanced Dental Education; **2009**: 66-79.

### Journal Articles (Published)

1. Ratnam S, Jang D, Alaghebandan R, Gilbert L, Xu Y, Wang W, Andrews P, Green A, Speicher DJ, Chernesky M (2023) HPV genotype-specific distribution and attributable risk in cervical intraepithelial neoplasia in a referral population with a history of LSIL. Cancer Biomarkers.
2. **Speicher, DJ**, Fryk, JJ, Kashchuk, V, Faddy, HM, Johnson, NW (2022) Human Herpesvirus 8 in Australia: DNAemia and Cumulative Exposure in Blood Donors. Viruses 14, (10).
3. Knapp, JP, Kakish, JE, Bridle, BW, **Speicher, DJ** (2022) Tumor Temperature: Friend or Foe of Virus-Based Cancer Immunotherapy. Biomedicines 10, (8).
4. Wilson J, Rivers J, Anholt M, Onawola D, Lantos G, **Speicher DJ**, De Monte S, Kasab-Bachi H, Haines T, Noor S, Gillam W, Suganda E, Aramini J (2022) Veterinary leadership: Time for us to step into our own power. Can Vet J, 63: 647-648.
5. Jang, D., S. Ratnam, M. Smieja, **D. J. Speicher**, M. Arias, A. Clavio, D. Costescu, L. Elit, S. Huang, E. Herrero-Garcia, A. M. Joseph, H. Jiang, R. Needle and M. Chernesky (2021). "Comparison of Alinity m HPV and cobas HPV Assays on Cervical Specimens in Diverse Storage Media." Tumour Virus Res: 200224.
6. Shah A, Jang D, Martin I, **Speicher DJ**, Lidder R, Clavio A, Ratnam S, Smieja M, Chernesky M (2021) Workflow and throughput of commercial assays to detect Mycoplasma genitalium and macrolide resistance mediating mutations. Sexually Transmitted Diseases. doi:10.1097/olq.0000000000001360
7. Misra A, **Speicher DJ**, Luinstra K, Maciejewski J, Richard-Greenblatt M, Yu Y, Smieja M (2021) Self-collected oral flocked swabs to measure prevalence of Epstein-Barr Virus antibodies and DNA amongst university students. Diagnostic microbiology and infectious disease 100 (1):115295. doi:10.1016/j.diagmicrobio.2020.115295

**Journal Articles (Published) continued...**

8. Chernesky M, Jang D, Martin I, **Speicher DJ**, Clavio A, Lidder R, Ratnam S, Smieja M, Arias M, Shah A (2020) Comparison of Assays for the Diagnosis of Mycoplasma genitalium and Macrolide Resistance Mutations in Self-Collected Vaginal Swabs and Urine. *Sex Transm Dis* 47 (10):705-711. doi:10.1097/OLQ.0000000000001226.
9. Bielska IA, Manis DR, Schumacher C, Moore E, Lewis K, Agarwal G, Mondoux S, Jewett L, **Speicher DJ**, Liu RH, Leyenaar M, McLeod B, Upadhye S (2020) Health Sector responses to the COVID-19 pandemic in Ontario, Canada – January to May 2020. *Zdrowie Publiczne i Zarządzanie [Public Health and Management]* 18(1):106-120. doi:10.4467/20842627oz.20.010.12664.
10. Bielska IA, Embrett M, Jewett L, Buote R, Manis DR, Parikh M, **Speicher DJ**, Agarwal G, Nartowski RO, Finnegan H, Bandara T, Hamilton CB, Moore E, Liu RH, Roher SIG, Lopatina E, Nguyen DTK, Lawrence L, Lukewich J (2020) Canada's multi-jurisdictional COVID-19 Public Health response January to May 2020. *Zdrowie Publiczne i Zarządzanie [Public Health and Management]* 18(1):88-105. doi:10.4467/20842627oz.20.009.12663.
11. Alcock BP, Raphenya AR, Lau TTY, Tsang KK, Bouchard M, Edalatmand A, Huynh W, Nguyen AV, Cheng AA, Liu S, Min SY, Miroschnichenko A, Tran HK, Werfalli RE, Nasir JA, Oloni M, **Speicher DJ**, Florescu A, Singh B, Faltyn M, Hernandez-Koutoucheva A, Sharma AN, Bordeleau E, Pawlowski AC, Zubyk HL, Dooley D, Griffiths E, Maguire F, Winsor GL, Beiko RG, Brinkman FSL, Hsiao WWL, Domselaar GV, McArthur AG (2020) CARD 2020: antibiotic resistance surveillance with the comprehensive antibiotic resistance database. *Nucleic Acids Res* 48 (D1):D517-D525. doi:10.1093/nar/gkz935.
12. **Speicher DJ**, Luinstra K, Smith EJ, Castriciano S, Smieja M (2020) Non-invasive detection of IgG antibodies from common pathogenic viruses using oral flocked swabs. *Diagnostic microbiology and infectious disease* 97 (3):115038. doi:10.1016/j.diagmicrobio.2020.115038
13. Jang D, Shah A, Arias M, Ratnam S, Smieja M, Chen X, Wang Y, **Speicher DJ**, Chernesky M (2020) Performance of AmpFire HPV assay on neck cervical lymph node aspirate and oropharyngeal samples. *J Virol Methods* 279:113840. doi:10.1016/j.jviromet.2020.113840.
14. Fernando S, Kumar S, Bakr M, **Speicher DJ**, Lea R, Scuffham PA, Johnson NW (2019) Children's untreated decay is positively associated with past caries experience and with current salivary loads of mutans Streptococci; negatively with self-reported maternal iron supplements during pregnancy: a multifactorial analysis. *J Public Health Dent* 79 (2):109-115. doi:10.1111/jphd.12301.
15. Perera M, Al-Hebshi NN, Perera I, Ipe D, Ulett GC, **Speicher DJ**, Chen T, Johnson NW (2018) Inflammatory Bacteriome and Oral Squamous Cell Carcinoma. *Journal of dental research* 97 (6):725-732. doi:10.1177/0022034518767118.
16. Perera M, Al-Hebshi NN, Perera I, Ipe D, Ulett GC, **Speicher DJ**, Chen T, Johnson NW (2017) A dysbiotic mycobiome dominated by Candida albicans is identified within oral squamous-cell carcinomas. *Journal of oral microbiology* 9 (1):1385369. doi:10.1080/20002297.2017.1385369.
17. **Speicher DJ**, Ramirez-Amador V, Dittmer DP, Webster-Cyriaque J, Goodman MT, Moscicki AB (2016) Viral infections associated with oral cancers and diseases in the context of HIV: a workshop report. *Oral diseases* 22 Suppl 1:181-192. doi:10.1111/odi.12418.

**Journal Articles (Published) continued...**

18. Perera M, Al-Hebshi NN, **Speicher DJ**, Perera I, Johnson NW (2016) Emerging role of bacteria in oral carcinogenesis: a review with special reference to perio-pathogenic bacteria. *Journal of oral microbiology* 8:32762. doi:10.3402/jom.v8.32762.
19. Al-Hebshi NN, Nasher AT, **Speicher DJ**, Shaikh MH, Johnson NW (2016) Possible interaction between tobacco use and EBV in oral squamous cell carcinoma. *Oral oncology* 59:e4-e5. doi:10.1016/j.oraloncology.2016.06.005.
20. **Speicher DJ**, Wanzala P, D'Lima M, Njiru A, Chindia M, Dimba E, Johnson NW (2015) Diagnostic challenges of oral and cutaneous Kaposi's sarcoma in resource-constrained settings. *Journal of oral pathology & medicine: official publication of the International Association of Oral Pathologists and the American Academy of Oral Pathology* 44 (10):842-849. doi:10.1111/jop.12315.
21. **Speicher DJ**, Wanzala P, D'Lima M, Johnson KE, Johnson NW (2015) Detecting DNA viruses in oral fluids: evaluation of collection and storage methods. *Diagnostic microbiology and infectious disease* 82 (2):120-127. doi:10.1016/j.diagmicrobio.2015.02.013.
22. Fernando S, **Speicher DJ**, Bakr MM, Benton MC, Lea RA, Scuffham PA, Mihala G, Johnson NW (2015) Protocol for assessing maternal, environmental, and epigenetic risk factors for dental caries in children. *BMC oral health* 15 (1):167. doi:10.1186/s12903-015-0143-2.
23. **Speicher DJ**, Sehu MM, Mollee P, Shen L, Johnson NW, Faoagali JL (2014) Successful treatment of iatrogenic multicentric Castleman's disease arising due to recrudescence of HHV-8 in a liver transplant patient. *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons* 14 (5):1207-1213. doi:10.1111/ajt.12693.
24. **Speicher DJ**, Johnson NW (2014) Comparison of salivary collection and processing methods for quantitative HHV-8 detection. *Oral diseases* 20 (7):720-728. doi:10.1111/odi.12196.
25. **Speicher DJ**, Sehu MM, Johnson NW, Shaw DR (2013) Successful treatment of an HIV-positive patient with unmasking Kaposi's sarcoma immune reconstitution inflammatory syndrome. *Journal of clinical virology: the official publication of the Pan American Society for Clinical Virology* 57 (3):282-285. doi:10.1016/j.jcv.2013.03.005.
26. **Speicher DJ**, Johnson NW (2012) Detection of human herpesvirus 8 by quantitative polymerase chain reaction: development and standardisation of methods. *BMC infectious diseases* 12:210. doi:10.1186/1471-2334-12-210.
27. Mackay IM, Arden KE, **Speicher DJ**, O'Neil NT, McErlean PK, Greer RM, Nissen MD, Sloots TP (2012) Co-circulation of four human coronaviruses (HCoVs) in Queensland children with acute respiratory tract illnesses in 2004. *Viruses* 4 (4):637-653. doi:10.3390/v4040637.
28. Patton LL, Ranganathan K, Naidoo S, Bhayat A, Balasundaram S, Adeyemi O, Taiwo O, **Speicher DJ**, Chandra L (2011) Oral lesions, HIV phenotypes, and management of HIV-related disease: Workshop 4A. *Advances in dental research* 23 (1):112-116. doi:10.1177/0022034511400079.
29. Johnson NW, Malamud D, Reznik D, **Speicher DJ**, Phelan J (2011) Mucosal fluids and biomarkers of clinical disease: workshop 3B. *Advances in dental research* 23 (1):137-141. doi:10.1177/0022034511400078.
30. **Speicher DJ**. Driving your research. *Microbiology Australia*. March 2009: 30(1):46-47.

**Journal Articles (Published) continued...**

31. Sloots TP, McErlean P, **Speicher DJ**, Arden KE, Nissen MD, Mackay IM (2006) Evidence of human coronavirus HKU1 and human bocavirus in Australian children. *Journal of clinical virology : the official publication of the Pan American Society for Clinical Virology* 35 (1):99-102. doi:10.1016/j.jcv.2005.09.008.

**Journal Abstracts (published)**

1. **Speicher DJ**, Luinstra K, Maciejewski J, Tsang KK, McArthur AG, Smieja. I03 Clostridioides difficile strain divergence over time. JAMMI 2019 Supplemental 4:P26.
2. Chernesky M, Jang D, Ratnam S, Shah A, Smieja M, **Speicher DJ**, Martin I, Arias M, Clavio A. P06 Comparison of two commercial amplification assays, Speedx Resistance Plus MG and Seeplex STD6 ACE detection, performed on self-obtained vaginal and urine specimens for the diagnosis of Mycoplasma genitalium infections. JAMMI 2019 Supplemental 4:P42.
3. Jang D, Shah A, Smieja M, **Speicher DJ**, Arias A, Clavio A, Ratnam S, Chernesky M. Mycoplasma genitalium and macrolide resistance mutations in vaginal swabs of Canadian women tested with commercial molecular assays. JAMMI 2019 Supplemental 4:P43.
4. Chernesky M, Jang D, Martin I, Shah A, Smieja M, **Speicher DJ**, Clavio A, Arias M. P597, Comparison of assays and specimen types for the diagnosis of mycoplasma genitalium and macrolide resistant mutations Sexually Transmitted Infections 2019;95:A265.
5. Fernando S, Skelly E, Tadakamadla SK, Selway CA, Bakr M, **Speicher DJ**, Schuffham PA, Lalloo R, Kroon J, Weyrich L, Johnson NW (2019) The salivary microbiome associated with dental caries in Australian children Australian Dental Journal 64 (4).
6. Maciejewski J, Luinstra K, **Speicher DJ**, Jayaratne P, Smieja M. Detection of asymptomatic Clostridium difficile amongst hemodialysis patients. JAMMI 2018 Supplemental 3:P117.
7. **Speicher DJ**, Luinstra K, Smieja M. Bacteriophages associated with Clostridium difficile infection. JAMMI 2018 Supplemental 3:P122.
8. **Speicher DJ**, Luinstra K, Castriciano S, Smieja M. SP29 Detection of viral antibodies via dried oral swabs. JAMMI 2017 Supplemental 2:P57.
9. Al-hebshi N, Perera M, Perera I, Ipe D, Ulett G, **Speicher DJ**, Nasher A, Maryoud M, Homeida H, Idris AM, Chen T, Johnson N (2017) The bacteriome and mycobiome associated with oral squamous cell carcinoma: metagenomic analysis of samples from Yemeni and Sri Lankan cohorts. Journal of oral microbiology 9 (sup1):1325188. doi:10.1080/20002297.2017.1325188
10. **Speicher DJ**, Amarasinghe A, Johnson NW (2016) Detection of human herpes viruses and HIV in patients from Southeast India. Australian Dental Journal 61 (4).
11. Kashchuk V, **Speicher DJ**, Johnson N (2014) Prevalence of HHV-8 in an HIV-negative population on the Gold Coast, Australia. Australian Dental Journal 59 (4).
12. **Speicher DJ**, Saravanan S, Kumarasamy N, Ranganathan K, Johnson NW. Comparison of plasma and salivary HIV loads determined via a coupling of the Abbott HIV detection system with the DNA Genotek OMNIgene™ DISCOVER (OM-505) kits. BMC Infectious Diseases 2014 14(Suppl 3):P80.

**Journal Abstracts continued...**

13. Johnson NW, **Speicher DJ**. Oral Kaposi's sarcoma and the Global HHV-8 Story. Pathology 45: Supp 1, February **2013**, Abstract S11. RCPA Pathology Update 2013 IAP Australasian Division 37th Annual Scientific Meeting.
14. **Speicher DJ**, Wanzala P, D'Lima M, Dimba E, Nijiru A, Perera R, Chindia M, Johnson NW. Diagnosis of oral and cutaneous Kaposi's sarcoma in Africa: Challenges involving histology and molecular detection. In, **2011**. <http://hivaidconference.com.au/Past-Conferences>.

**Preprints (BioRxiv, MedRxiv, and Preprints)**

1. Wiseman, DM, Gutschi L.M, **Speicher DJ**, Rose J, McKernan K. (2023, December 6). Ribosomal frameshifting and misreading of mRNA in COVID-19 vaccines produces "off-target" proteins and immune responses eliciting safety concerns: Comment on UK study by Mulrone y et al. <https://doi.org/10.31219/osf.io/nt8jh>
2. **Speicher DJ**, Rose J, Gutschi LM, Wiseman DM, McKernan K. (2023) DNA Fragments Detected in Monovalent and Bivalent Pfizer/biontech and Moderna Moderna COVID-19 Vaccines from Ontario, Canada: Exploratory Dose Response Relationship with Serious Adverse Events. OSF Preprints. October 19. doi:10.31219/osf.io/mjc97. **Views: 176,129 Downloads: 15,581**
3. Khurshid Z, Zohaib S, Joshi C, Moin SF, Zafar MS, **Speicher DJ** (2020) Saliva as a non-invasive sample for the detection of SARS-CoV-2: a systematic review. medRxiv:2020.2005.2009.20096354. doi:10.1101/2020.05.09.20096354.
4. Nasir JA, **Speicher DJ**, Kozak RA, Poinar HN, Miller MS, McArthur AG (2020) Rapid Design of a Bait Capture Platform for Culture- and Amplification-Free Next-Generation Sequencing of SARS-CoV-2. Preprints doi:10.20944/preprints202002.0385.v1.
5. Tsang K; **Speicher DJ**; McArthur A. Pathogen Taxonomy Updates at the Comprehensive Antibiotic Resistance Database: Implications for Molecular Epidemiology. Preprints 2019, 2019070222 (doi: 10.20944/preprints201907.0222.v1).

## Presentations

*Presenter's name is underlined. My name and year are in **bold**.*

### Oral Presentations

1. **Speicher DJ**. Residual DNA fragments detected in monovalent and bivalent Pfizer/BioNTech and Moderna modRNA COVID-19 vaccines. Keynote Speaker. Second annual State of our Nation Gala Dinner and Dance, People's Party of Canada. Burlington, Canada. December 16, **2023**.
2. Gutsch LM, Wiseman DM, **Speicher DJ**. Residual DNA fragments detected in monovalent and bivalent Pfizer/BioNTech and Moderna modRNA COVID-19 vaccines. Conseil Scientifique indépendant. Online. December 14, **2023**.
3. **Speicher DJ**. DNA fragments detected in monovalent and bivalent Pfizer/BioNTech and Moderna modRNA COVID-19 vaccines. The Era of Champions. Canada Christian College. Whitby, Canada. October 28, **2023**.
4. **Speicher DJ**. Detection of SARS-CoV-2 by PCR: Misuse of an Elegant Technique. THE GREHT CANehDIAN AWehKENING. Canada Christian College. Whitby, Canada. May 5-6, **2023**.
5. Wilson JB, Esfandiari N, Rivers J, **Speicher DJ**, Suganda E, Jauwena A, Haesler B, DeMonte S, Karrow K, Onawola D, Salman M. Community Network Integration: An Approach to Alignment of One Health Partners for Solutions to Antimicrobial Resistance. 11<sup>th</sup> International Conference on Antimicrobial Agents in Veterinary Medicine. Madrid, Spain. September 11-14, **2022**.
6. **Speicher DJ**. Can dogs replace PCR for detecting COVID? Virology Journal Club. Public Health Ontario. June 24, **2022**.
7. **Speicher DJ**. SARS-CoV-2 RT-PCR: Do we really need the RT? Virology Journal Club. Public Health Ontario. February 28, **2022**.
8. **Speicher DJ**. SARS-CoV-2: Where have all the influenzas gone? Virology Journal Club. Public Health Ontario. February 12, **2021**.
9. **Speicher DJ**. Non-invasive detection and sequencing of SARS-CoV-2. 2<sup>nd</sup> Online Conference on Infectious Diseases – Coronaviruses". Virtual Conference. December 7, **2020**.
10. **Speicher DJ**. Detection of SARS-CoV-2 RNA and antibodies in saliva. Virology Journal Club. Public Health Ontario. October 30, **2020**.
11. **Speicher DJ**. Detection and surveillance of SARS-CoV-2. Virology Journal Club. Public Health Ontario. March 6, **2020**.
12. **Speicher DJ**. Faculty of Health Sciences Postdoctoral Association (FHS PDA) McMaster University. 2019 CAPS/ACSP Annual Meeting. Halifax, NS, Canada. November 3, 2019.
13. **Speicher DJ**. Phage Therapy: Two schools of thought. Which camp are you in? Virology Journal Club. Public Health Ontario. October 18, **2019**.
14. **Speicher DJ**. Coronavirus vaccines: Successes and failures from a mouse model. Virology Journal Club. Public Health Ontario. May 24, **2019**.
15. **Speicher DJ**, Luinstra K, Maciejewski J, Tsang KK, McArthur AG, Smieja. I03 Clostridioides difficile strain divergence over time. AMMI-CACMID Annual Conference. Ottawa, Canada. April 3-6, **2019**.

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**Oral Presentations continued...**

16. Mertz D and Speicher DJ. *C. difficile*: The role of colonization and phages. ID/IIDR Rounds. McMaster University. June 6, **2018**.
17. Speicher DJ. Target-enrichment for the in-depth analysis of viral genomes. Virology Journal Club. Public Health Ontario. February 8, **2019**.
18. Speicher DJ. CrAssphage: The most abundant virus in the human gut. Virology Journal Club. Public Health Ontario. September 29, **2018**.
19. Speicher DJ. The influence of bacteriophages on *Clostridioides difficile* toxigenicity. Virology Journal Club. Public Health Ontario. February 2, **2018**.
20. Speicher DJ. *Clostridium difficile*-associated Bacteriophage profiles in Faecal Microbiota Transplant Patients. 22<sup>nd</sup> Biennial Evergreen International Phage Meeting. Olympia, WA, USA. August 6-11, **2017**.
21. Speicher DJ. Control of multidrug-resistant bacteria via bacteriophages. Virology Journal Club. Public Health Ontario. May 13, **2017**.
22. Speicher DJ. Detection of viral antibodies via dried oral swabs. In-service seminar. St. Joseph's Healthcare Hamilton, Hamilton, Canada. April 20, **2017**.
23. Speicher DJ. Risk of transmitting HHV-8 by blood transfusions. Virology Journal Club. Public Health Ontario. March 24, **2017**.
24. Speicher DJ. Saliva as a diagnostic tool. Workshop. Sree Balarji Dental School, Barath University. September 9, **2016**.
25. Johnson NW and Speicher DJ. Epidemiology of HHV-8 in HIV infections. India. Invited Plenary. XXV Conference of the Indian Association of Oral and Maxillofacial Pathologists and the 18th International Congress of Oral Pathology. Chennai, India. September 8-16, **2016**.
26. Speicher DJ, Boobalan, Kausalya G, Saravanan S, Johnson NW. Potentially Infectious HIV and Herpesviruses are in saliva of HIV-positive individuals. IADR/AADR/CADR 93rd General Session, Boston, Massachusetts, USA. March 11-14, **2015**.
27. Speicher DJ. Saliva as a Diagnostic Tool: The usefulness of the OMNIgene•Discovery Kits. In-service seminar. DNA Genotek. May 15, **2015**.
28. Speicher DJ, Saravanan S, Kumarasamy N, Ranganathan K, and Johnson NW. Comparison of plasma and salivary HIV loads determined via a coupling of the Abbott HIV detection system with the DNA Genotek OMNIgene™•Discover (OM-505) kits. 2<sup>nd</sup> International Science Symposium on HIV and Infectious Disease (HIV SCIENCE 2014). Chennai, India. January 30 – February 1, **2014**.
29. Johnson NW and Speicher DJ. Oral Kaposi's sarcoma and the global HHV-8 story. Melbourne under the Microscope. Pathology Update 2013. Melbourne, Australia. February 22-24, **2013**.
30. Speicher DJ, Wanzala P, D'Lima M, Dimba E, Njiru A, Achila R, Bulimo W, Johnson NW. Histological and molecular diagnosis of Kaposi's Sarcoma in Kenya. 2nd Medical and Veterinary Viral Research Symposium, Mombasa, Kenya, October 18, **2012**.
31. Speicher DJ. Disseminating KS-IRIS in an HIV-positive patient lacking HHV-8 viraemia. Australian Society for Microbiology (ASM) Annual Scientific Meeting. Brisbane, Australia. July 1-4, **2012**.

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**Oral Presentations continued...**

32. **Speicher DJ**, Johnson NW. Evaluation of a new commercial kit for the detection of human herpesvirus 8 (HHV-8) in saliva. Gold Coast Health and Medical Research Conference. December 2-3, 2009.
33. **Speicher DJ**, Wanzala P, D'Lima M, Dimba E, Nijiru A, Perera R, Chindia ML, and **Johnson NW**. Diagnosis of oral and cutaneous Kaposi's sarcoma in Africa: Challenges involving histology and molecular detection. 23rd Annual conference of the Australasian Society for HIV Medicine (ASHM). Canberra, Australia. September 26-28, **2011**.
34. **Speicher DJ**, Sehu MM, Mollee P, Griffin A, Shen L, Noris D, Yarwood T, Playford EG, Faoagali JL. "Post liver transplant patient presenting with HHV-8 associated multicentric Castleman's disease: the role of qPCR." PA Week, Princess Alexandra Hospital, Brisbane, QLD. August 16-20, **2010**. <http://www.health.qld.gov.au/pahospital/symposium/>
35. **Speicher DJ**, Sehu MM, Mollee P, Faoagali JL. "Monitoring HHV-8 viremia in a post-transplant patient presenting with HHV-8 associated multicentric Castleman's disease." Australian Society for Microbiology Annual Scientific Meeting, Sydney Australia. July 4-8, **2010**.
36. **Speicher DJ**. HHV-8: The importance of this overlooked human herpesvirus. In-service seminar at the Royal Brisbane and Woman's Hospital, Brisbane, Australia. June 1, **2010**.
37. **Sehu MM**, **Speicher DJ**, Mollee P, Yarwood T, and Faoagali J. "Post liver transplant patient presenting with HHV-8 associated multicentric Castleman's disease." Pathology Update, Royal College of Pathologists of Australasia, Melbourne, Victoria. February 26-28, **2010**.
38. **Speicher DJ**. "Salivary diagnostics for oral complications of HIV" The Mouth & AIDS: 6th World Workshop on Oral Health and Disease. Beijing, China. April 21-24, **2009**.
39. **Speicher DJ**. "Role of healthcare workers in rapid diagnostic testing for HIV." The Mouth & AIDS: 6th World Workshop on Oral Health and Disease. Beijing, China. April 21-24, **2009**.
40. **Speicher DJ**. Determining HHV-8 subtypes in the Australian HIV-positive population. HIV & Sexual Health Research Forum, Brisbane May 21-22, **2009**.
41. **Speicher DJ**. Improving the detection of HHV-8 in AIDS patients. Oral Presentation. 'Research Priorities in Dental Science & Technology in Asia & Africa' hosted by the Indian Society for Dental Research. Hyderabad, India. December 1-3, **2007**.
42. **Slouts, TP**, McErlean P, **Speicher DJ**, Arden KE, Nissen MD, Mackay IM. **2006**. Evidence of Human Coronaviruses NL63, HKU1, and Human Bocavirus in Australian children with acute respiratory infection. ASM 2006, Gold Coast QLD, July 2-6, 2006.
43. Mackay IM, McErlean P, **Speicher DJ**, Arden KE, **Nissen MD**, **Slouts TP**. **2006**. The Significance of new Coronaviruses (HCoV-NL63 & HCoV-HKU1) in respiratory tract infections. ASID Annual Scientific Meeting, Wellington NZ, April 1-4, 2006.



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**Poster Presentations**

Presenter's name is underlined. My name and year are in **bold**.

1. Knapp JP, Van Vloten J, Mutsaers A, Meng B, **Speicher DJ**, Bridle BW. Exploring the heat sensitivity and heat-adaptation of oncolytic vesicular stomatitis virus for improved cancer immunotherapy. BioCanRx, Summit for Cancer Immunotherapy Conference. Ottawa, Canada, October 1-4, 2023.
2. **Speicher DJ**, Luinstra K, Maciejewski J, Tsang KK, Patel S, Allen V, McArthur AG, Smieja M. Clostridioides difficile strain divergence and prophages in Southern Ontario, Canada (2010-2018). BBS Research Symposium, McMaster University. Hamilton, Canada. March 12, **2020**.
3. **Speicher DJ**, Luinstra K, Maciejewski J, Tsang KK, Patel S, Allen V, McArthur AG, Smieja M. Clostridioides difficile strain divergence and prophages in Southern Ontario, Canada (2010-2018). IIDR Trainee Day, McMaster University. Hamilton, Canada. October 4, **2019**.
4. Chernesky M, Jang D, Ratnam S, Shah A, Smieja M, **Speicher DJ**, Martin I, Arias M, Clavio A. P06 Comparison of two commercial amplification assays, SpeDx Resistance Plus MG and Seeplex STD6 ACE detection, performed on self-obtained vaginal and urine specimens for the diagnosis of Mycoplasma genitalium infections. AMMI-CACMID Annual Conference. Ottawa, Canada. April 3-6, **2019**.
5. Jang D, Shah A, Smieja M, **Speicher DJ**, Arias A, Clavio A, Ratnam S, Chernesky M. Mycoplasma genitalium and macrolide resistance mutations in vaginal swabs of Canadian women tested with commercial molecular assays. AMMI-CACMID Annual Conference. Ottawa, Canada. April 3-6, **2019**.
6. Maciejewski J, Luinstra K, **Speicher DJ**, Jayaratne P, Smieja M. Detection of asymptomatic Clostridium difficile amongst hemodialysis patients. AMMI-CACMID Annual Conference. Vancouver, Canada. May 2-5, **2018**.
7. **Speicher DJ**, Luinstra K, Smieja M. Bacteriophages associated with Clostridium difficile infection. AMMI-CACMID Annual Conference. Vancouver, Canada. May 2-5, **2018**.
8. **Speicher DJ**, Luinstra K, Smieja M. Bacteriophages associated with Clostridium difficile infection. IIDR Trainee Day, McMaster University. Hamilton, Canada. October 26, **2017**.
9. Castriciano S, **Speicher DJ**, Luinstra K, Smieja M. Dried Oral FLOQSwabs™ for the Detection of Viral Antibodies. ASM Microbe. June 1-5, **2017**. New Orleans, USA.
10. **Speicher DJ**. Detection of viral antibodies via dried oral swabs. FHS Research Plenary **2017**. McMaster University. May 16-18, 2017. Hamilton, Canada.
11. Castriciano S, Luinstra K, **Speicher DJ**, Smieja M. Dried Oral FLOQSwabs™ for the Detection of Viral Antibodies. 11<sup>th</sup> European Symposium on Saliva. Netherlands. May 17-20, **2017**.
12. Castriciano S, **Speicher DJ**, Luinstra K, Smieja M. Oral Nylon FLOQSwabs™ Transported Dry for the Detection of Viral Antibodies. ASM Clinical Virology Symposium 2017. May 7-10, **2017**. Savannah, GA, USA.
13. **Speicher DJ**, Luinstra K, Castriciano S, Smith EJ, Smieja M. Detection of viral antibodies via dried oral swabs. AMMI-CACMID Annual Conference. Toronto, Canada. May 3-6, **2017**.
14. **Speicher DJ**, Luinstra K, Castriciano S, Smieja M. Dried Oral FLOQSwabs™ for the Detection of Viral Antibodies. 2016 North American Saliva Symposium. New York, USA. December 9-11, **2016**.

## Poster Presentations continued...

15. FrykJ, Johnson NW, Dieu A, Wilson K, Faddy H, Flower R, and **Speicher DJ**. HHV-8 in Australia: Exposure and carriage in healthy individuals. Australian Institute of Medical Science Tropical Division Conference. Townsville, QLD. June 5-7, **2015**. *Awarded the best poster at the Conference.*
16. **Speicher DJ**, Nandagopal P, Saravanan S, Kumarasamy N, Ranganathan K, and Johnson NW. Detection of Human Herpesviruses in HIV-positive patients from Southeast India. 7<sup>th</sup> World Workshop on Oral Health & Disease in AIDS. Hyderabad, India. November 6-9, **2014**. *Awarded the best poster at the WW7 Conference.*
17. Johnson NW, Saravanan S, Kumarasamy N, Boobalan, Ranganathan K & **Speicher DJ**. Comparison of plasma and salivary HIV loads with a new detection system: implications of prevention and patient care. 7<sup>th</sup> World Workshop on Oral Health & Disease in AIDS. Hyderabad, India. November 6-9, **2014**.
18. Fernando S, **Speicher DJ**, Scuffham P, Lea RA, Bakr M, Johnson NW. Assessing inherited and individual risk factors for dental caries. IADR - Australian/New Zealand Division. Brisbane, Australia. September 30 – October 1, **2014**.
19. **Speicher DJ**, McLean CA, Hoy J, and Johnson NW. Human herpesvirus 8 disease in Australia: Multicentric Castleman's Disease and Kaposi's sarcoma in the same lymph node; a model for disease evolution. International congress on oncogenic herpesviruses and associated diseases. Philadelphia, USA. August 1-4, **2012**.
20. **Speicher DJ**, McLean CA, Hoy J, and Johnson NW. Castleman's disease and Kaposi's sarcoma in the same lymph node: a model for disease progression. Australian Society for Microbiology (ASM) Annual Scientific Meeting. Brisbane, Australia. July 1-4, **2012**.
21. **Speicher DJ**, McLean CA, Hoy J, and Johnson NW. Kaposi's sarcoma and multicentric Castleman's disease in Australia: detection of HHV-8 by qPCR and Immunohistochemistry. Australian Society for Microbiology (ASM) Annual Scientific Meeting. Brisbane, Australia. July 1-4, **2012**.
22. **Speicher DJ** and Johnson NW. Evaluation of a new commercial kit for examining HHV-8 shedding and subtyping in saliva. Australian Society for Microbiology (ASM) Annual Scientific Meeting. Hobart, Australia. July 4-8, **2011**.
23. **Speicher DJ**, Johnson NW. "Evaluation of a new commercial kit for the salivary diagnosis of HHV-8 and other viruses." The Australian Health and Medical Research Congress. Melbourne, Australia. November 14-18, **2010**.
24. **Speicher DJ**, Lam A, McLean CA, Johnson NW. "Detection of human herpesvirus 8 in Queensland and Victoria in HIV-positive and HIV-negative patients." Australasian HIV/AIDS Conference 2010. 22nd Annual conference of the ASHM. Sydney, Australia. October 20-22, **2010**.
25. **Speicher DJ**, Lam A, Johnson NW. Detection of human herpesvirus 8 in Queensland HIV-positive patients. ASM Annual Scientific Meeting. Perth, Australia. July 6-10, **2009**.
26. **Speicher DJ**, Lam A, Johnson NW. Detection of human herpesvirus 8 subtype A in an HIV-negative Queensland patient. In, **2009**. <http://www.griffith.edu.au/conference/gold-coast-health-medical-research-2009>.
27. **Speicher DJ**, A Lam, and NW Johnson. Detection of human herpesvirus 8 subtype A in an HIV-negative Queensland patient. KSHV Workshop. Charleston, USA. September 13-16, **2009**.

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**Poster Presentations continued...**

28. **Speicher DJ**, A Lam, and NW Johnson. Detection of human herpesvirus 8 subtype A in an HIV-negative Queensland patient. 6<sup>th</sup> World Workshop on Oral Health and Diseases in AIDS (WW6). Beijing, China. April 21-24, **2009**.
29. **Speicher DJ**, A Lam, and NW Johnson. Detection of human herpesvirus 8 subtype A in an HIV-negative Queensland patient. GIHMR Conference. Gold Coast, QLD. December 3-4, **2009**.
30. **Speicher DJ**, Mackay IM, McErlean P, Nissen MD, Sloots TP. **2006**. Detection of Human Coronavirus HKU1 in Queensland Children. RBWH Health Care Symposium, Brisbane QLD, October 16-20, **2006**.

**News and Media**

1. DNA in Covid vaccines: just uncontrolled measurement errors? - Part 1. Cicero. January 20, 2024. <https://www.cicero.de/kultur/mrna-impfstoffe-covid-dna-verunreinigungen>.
2. Florida Surgeon General Calls for Halt to COVID-19 Shots. Health Care News. **January 11, 2024**. <https://heartlanddailynews.com/2024/01/florida-surgeon-general-calls-for-halt-to-covid-19-shots>.
3. FL Surgeon General Calls To Halt COVID mRNA Shots. Liberty Counsel. **January 5, 2024**. <https://lc.org/newsroom/details/010524-fl-surgeon-general-calls-to-halt-covid-mrna-shots-1>.
4. Florida Surgeon General's Warning to Halt Use of mRNA Shots Based on Canadian Study. The Epoch Times. **January 5, 2024**. <https://www.theepochtimes.com/world/florida-surgeon-generals-warning-to-halt-use-of-mrna-shots-based-on-canadian-study-5558216>
5. Foreign DNA Contamination in COVID-19 Vaccines Exceeds WHO Limits: Professor. Epoch Health in The Epoch Times. **December 18, 2023**. <https://www.theepochtimes.com/health/foreign-dna-contamination-in-covid-19-vaccines-exceeds-who-limits-professor-5548085>.
6. Contaminated: We've Been Their Lab Rats All Along. Brownstone Institute. **January 15, 2023**. <https://brownstone.org/articles/contaminated-weve-been-their-lab-rats-all-along/>
7. Landmark Paper Shows Pfizer/BioNTech's mRNA Tech is Error-Prone. Trial Site News. **December 7, 2023**. <https://www.trialsitenews.com/a/landmark-paper-shows-pfizerbiontechs-mrna-tech-is-error-prone-1d035f71>.
8. DNA Contamination in COVID-19 Vaccines May Explain Rise in Cancers, Clots, Autoimmune Diseases: Pathologist. Epoch Health in The Epoch Times. **November 28, 2023**. <https://www.theepochtimes.com/health/dna-contamination-in-covid-19-vaccines-may-explain-rise-in-cancers-clots-autoimmune-diseases-5536705>.
9. Billions of Copies of Residual DNA in a Single Dose of COVID-19 mRNA Vaccine: Preprint. Epoch Health in The Epoch Times. **November 16, 2023**. <https://www.theepochtimes.com/health/billions-of-copies-of-dna-impurities-and-contaminants-in-a-single-dose-of-covid-19-mrna-vaccine-preprint-5515324>.
10. Expert Panel Discusses Evidence of Unreported Genetic Contamination in COVID-19 Vaccines. Epoch Health in The Epoch Times. **November 11, 2023**. <https://www.theepochtimes.com/health/expert-panel-discusses-evidence-of-unreported-genetic-contamination-in-covid-19-vaccines-5521522>.

11. There are billions of DNA fragments in one dose of mRNA COVID-19 vaccine, study says  
Fuente: The Epoch Times en español. **November 8, 2023.**  
[https://es.theepochtimes.com/hay-miles-de-millones-de-fragmentos-de-adn-en-una-dosis-de-vacuna-de-armm-contr-a-covid-19-dice-estudio\\_1199458.html](https://es.theepochtimes.com/hay-miles-de-millones-de-fragmentos-de-adn-en-una-dosis-de-vacuna-de-armm-contr-a-covid-19-dice-estudio_1199458.html).
12. FDA Response to Investigative Journalist on Concerns Stemming from Our Paper on Residual DNA in COVID-19 Vaccines. Trial Site News. **October 30, 2023.**  
<https://www.trialsitenews.com/a/fda-response-to-investigative-journalist-on-concerns-stemming-from-our-paper-on-residual-dna-in-covid-19-vaccines-e567199c#comments>.
13. 'Health Canada hasn't considered the risk' of COVID vaccine DNA contamination issue, says citizen scientist. RebelNews. **October 25, 2023.** [https://www.rebelnews.com/health\\_canada\\_hasnt\\_considered\\_the\\_risk\\_of\\_covid\\_vaccine\\_dna\\_contaminants](https://www.rebelnews.com/health_canada_hasnt_considered_the_risk_of_covid_vaccine_dna_contaminants).
14. New study raises concerns over mRNA vaccine safety. Troy Media. **October 25, 2023.**  
<https://troymedia.com/health/new-study-raises-concerns-over-mrna-vaccine-safety/>.
15. Yet Another Validation of DNA Contaminants in COVID-19 mRNA Vaccines. Trial Site News. **October 20, 2023.** <https://www.trialsitenews.com/a/yet-another-validation-of-dna-contaminants-in-covid-19-mrna-vaccines-deae0432>.
16. Concerns regarding the efficacy and safety for BNT162b2 mRNA coronavirus disease (COVID-19) vaccine through six months. Trial Site News. **January 14, 2022.**  
<https://www.trialsitenews.com/a/concerns-regarding-the-efficacy-and-safety-for-bnt162b2-mrna-coronavirus-disease-covid-19-vaccine-through-six-months>.
17. McMaster researchers developed 'fish hooks' to catch samples of coronavirus, CBC News; **February 28 2020** <https://www.cbc.ca/news/canada/hamilton/mcmaster-coronavirus-sequencing-tool-1.5479663>.
18. McMaster develops tool for coronavirus battle; Lab+Life Scientist, **March 3 2020**  
<https://www.labonline.com.au/content/life-scientist/news/mcmaster-develops-tool-for-coronavirus-battle-589425523>.
19. McMaster develops tool for coronavirus battle; **February 28 2020.** Science New Net  
<https://sciencenewsnet.in/mcmaster-develops-tool-for-coronavirus-battle/>.
20. CFMU, Radio Interview; The AlmaMAC Episode 105 (**Feb. 14/19**): Fun with Faeces with Dr. David Speicher; <http://bit.ly/CFMU105>.
21. C. difficile: The Role of Colonization and Phages, Institute for Infectious Disease Research (IIDR), McMaster University, **July 2018.** <https://iidr.mcmaster.ca/c-difficile-the-role-of-colonization-and-phages/>.
22. Tools for Drools: A general guide to collecting and processing saliva; **July 1 2015**; Leading scientists including Dr. Speicher provided technical advice. Interview by Kelly Rae Chi  
<https://www.the-scientist.com/lab-tools/tools-for-drools-35231>.
23. DNA Genotek Inc. Announces Recipients of the DNA Genotek Grant Program, **May 3 2012**,  
<https://www.prweb.com/releases/2012/5/prweb9469368.htm>  
<https://www.dnagenotek.com/ROW/company/news-events/press-releases/2012/2012-05-03.html>.
24. Seeing God's Hand at Work, Redeemer University; **November 11 2016**  
<https://www.redeemer.ca/resound/seeing-gods-hand-at-work/>.

25. Redeemer Alumnus Awarded Post-Doc Fellowship; Redeemer University, **October 20 2016**  
<https://www.redeemer.ca/resound/redeemer-alumnus-awarded-post-doc-fellowship/>.
26. Fighting a global pandemic. Alumni News. Redeemer University College. **May 2008**.

**Community Engagement**

- 2023 Keynote Address, 2<sup>nd</sup> Annual Gala, State of our Nation Dinner and Dance, People’s Party of Canada. December 16, 2023. Burlington, ON, Canada.
- 2020 “A Pandemic Plan for your Church to bring Hope and Help during Uncertain times” by Rev. Alex Douglas and Dr. David J. Speicher.
- 2018 – Present Chapter Executive, Grand River Chapter, Delta Waterfowl
- 2019 – Present Secretary, School Council, Highview Elementary School. Hamilton Wentworth District School Board. Hamilton, Canada