

SESSION 1: BASIC SCIENCE FOR BACTERIAL STIS

- Simon
001.1 Houston Identification and Functional Characterization of Antimicrobial Peptides from *Treponema pallidum*
- Jairo
Montezuma-
001.2 rusca *Pyrococcus furiosus* thioredoxin as a platform to express extracellular loops of *Treponema pallidum* outer membrane proteins
- 001.3 Sean Waugh An Integrative Omics Approach to Understanding Host Cellular Responses to *Treponema pallidum*
- 001.4 Kelly Hawley The global *Treponema pallidum* OMPeome: a structural platform for deciphering stealth pathogenicity and developing a syphilis vaccine with worldwide efficacy
- Gwendolyn
001.5 Wood Antigenic variation in a primate model of persistent *Mycoplasma genitalium* infection
- Mark
001.6 Fernandez A *Chlamydia trachomatis* inclusion membrane protein blocks interferon gamma stimulated immunity in humans and nonhuman primates
- 001.7 Lorenzo Giacani At Long Last: Genetic Engineering of *Treponema pallidum* subsp. *pallidum*, the Syphilis Spirochete
- 001.8 Matthew Beale Contemporary syphilis is characterised by rapid global spread of pandemic *Treponema pallidum* lineages

SESSION 2: VAGINAL MICROBIOTA

- 002.1 Pawel Laniewski Cervicovaginal microbiota species distinctly modulate the immunometabolic microenvironment in a human three-dimensional cervical model
- 002.2 Erica Plummer The impact of concurrent partner treatment for bacterial vaginosis on the genital microbiota of heterosexual couples: a pilot study
- Shaelen
002.3 Kenschuh Reclassification of *Atopobium vaginae* as three novel *Fannyhessea* species: implications for understanding their role in bacterial vaginosis
- 002.4 Kaitlin Zinsli Relationship between three novel bacterial vaginosis (BV) associated bacteria and nongonococcal urethritis in men who have sex with women
- 002.5 Karen Lithgow Secreted Proteolytic Activity of Bacterial Vaginosis-Associated Bacteria
- 002.6 Kayla Carter Associations between vaginal bacteria and bacterial vaginosis signs and symptoms: a comparative study of Kenyan and American cisgender women

SESSION 3: BACTERIAL VAGINOSIS

- 003.1 Rodman Turpin Bacterial Vaginosis and Behavioral Factors Associated with Incident Pelvic Inflammatory Disease in the Longitudinal Study of Vaginal Flora
- 003.2 Eric Armstrong The short-term immune impact of bacterial vaginosis treatment is unrelated to *Lactobacillus* spp. abundance
- 003.3 Jonathan Ross Intravaginal lactic acid gel versus oral metronidazole for treating women with recurrent bacterial vaginosis: the VITA randomised controlled trial
- 003.4 Laura Phillips The vaginal microbiome and development of pelvic inflammatory disease: a prospective study using 16S rRNA long-read sequencing.

003.5 Harold Wiesenfeld PID Treatment and Mycoplasma genitalium (MG): The Impact of Vaginal Dysbiosis

003.6 Erica Lokken Vaginal washing behavior and fecundability in Kenyan women planning pregnancies

SESSION 4: COVID – EPIDEMIOLOGY & HEALTH SERVICES IMPACTS

004.1 Rayner Kay Jin Tan The Impact of the Coronavirus Disease (COVID-19) on the Health and Social Needs of Sex Workers in Singapore

004.2 Maria Xiridou The impact of COVID-19 and associated response measures on STI transmission among MSM: a mathematical modelling study

004.3 Regina Maithufi The Impact of the COVID-19 pandemic on STI services in the Eastern Cape Province of South Africa

004.4 Emily Dema Measuring impacts of COVID-19 on sexual and reproductive health service use in Britain: findings from a large, quasi-representative survey (Natsal-COVID)

004.5 Mark Gilbert Impacts of the COVID-19 pandemic on accessing needed sexual health services during March–July 2020 in British Columbia (BC), Canada

004.6 Heather Pedersen Increased use of internet-based testing for sexually-transmitted and bloodborne infections during the COVID-19 pandemic in British Columbia, Canada

SESSION 5: COVID – BEHAVIORAL IMPACTS

005.1 Pam Sonnenberg Investigating intimate physical contact between partners from different households during the COVID-19 pandemic: findings from a large, quasi-representative survey (Natsal-COVID).

005.2 David Reid A mixed-method investigation into challenges in accessing sexual and reproductive health (SRH) services in Britain during the COVID-19 pandemic (Natsal-COVID)

005.3 Kirstin Mitchell Early impacts of COVID-19 on sex life and relationship quality: Findings from a large British quasi-representative online survey (Natsal-COVID)

005.4 Philippe C. G. Adam Changes in MSM’s sexual activity, PrEP use, and access to HIV/STI testing during and after the first Dutch COVID-19 lockdown

005.5 Catherine Mercer Early impacts of the COVID-19 pandemic on sexual behaviour in Britain: findings from a large, quasi-representative survey (Natsal-COVID)

005.6 Karen Maxwell Sexual contact with partners outside of household during the COVID-19 pandemic: Investigating motivations and decision-making using Natsal-COVID data

SESSION 6: SYPHILIS CLINICAL

006.1 Janet Towns Oral and anal Treponema pallidum detection in men who have sex with men with early infectious syphilis: a cross-sectional study.

006.2 Brandon Christensen SYPHILIS NOT ASSOCIATED WITH NEUROCOGNITIVE OUTCOMES IN PEOPLE LIVING WITH HIV IN ONTARIO CANADA

006.3 Silvia Nieuwenburg Developing a symptom-based risk score for infectious syphilis among men who have sex with men

006.4 Silvia Nieuwenburg Detection of Treponema pallidum DNA at various body locations as a proxy for infectiousness

006.5 Cheng Wang Expanding syphilis test uptake using rapid dual self-testing for syphilis and HIV among MSM: a randomized controlled trial in China

006.6 Jason Wong Refreshing the British Columbia Syphilis Control Strategy: Thematic Analysis of a Multi-Stakeholder Consultation Process

SESSION 7: SYPHILIS EPIDEMIOLOGY

007.1 Hélène Zondag *Treponema pallidum* intra-patient homogeneity between various body locations in patients with infectious syphilis

Anna Maria
007.2 Geretti The association between a diagnosis of syphilis and hepatitis B surface antigen (HBsAg) positivity in primary care

007.3 Allan Pillay Molecular investigation of *Treponema pallidum* strains associated with ocular syphilis in the United States

007.4 Arlene C. Seña Intersection of Syphilis and HIV Networks to Identify Opportunities to Enhance HIV Prevention in North Carolina, United States

007.5 Laura Staritsky Frequency and predictors of repeat infectious syphilis infections in men who have sex with men in the Netherlands

007.6 Arlene C. Seña Establishing a global consortium for syphilis vaccine development: patient enrollment and sample procurement for *Treponema pallidum* genome and OMPeome sequencing

SESSION 8: GONORRHOEA EPIDEMIOLOGY

008.1 Connor Allen Oropharyngeal gonorrhoea infections among females and heterosexual males with genital gonorrhoea attending a sexual health clinic in Melbourne, Australia

008.2 Antonis Tofias Can a rapid STI sexual health service reduce gonococcal culture testing without reducing culture sensitivity? A service evaluation.

008.3 Stephanie Mclaughlin Disseminated Gonococcal Infection (DGI) in Seattle-King County, Washington (WA), 2006-2020

008.4 Karen Schlanger Strengthening the U.S. Response to Resistant Gonorrhea (SURRG): A program to enhance local antibiotic resistant gonorrhea preparedness capacity

008.5 Janneke Heijne Impact of increased asymptomatic testing for gonorrhoea among MSM on PrEP on the transmission and development of antimicrobial resistance

Jolinda de Korne-
008.6 Elenbaas Assessing within-host genetic variation in *Neisseria gonorrhoeae* at different anatomical locations and over time

SESSION 9: GONORRHOEA EPIDEMIOLOGY AND ANTIMICROBIAL RESISTANCE

009.1 Maartje Visser Trends and regional differences of *Neisseria gonorrhoeae* antimicrobial resistance in the Netherlands, 2013-2019

Emily
009.2 Rowlinson Lack of association between azithromycin-resistant *Neisseria gonorrhoeae* infection and prior exposure to azithromycin among persons attending a Sexual Health Clinic

009.3 Sancta St. Cyr Gonococcal pharyngeal susceptibility to ceftriaxone, cefixime and azithromycin among men and women in eGISP, 2018 – 2020

009.4 Ian Spicknall Changes in gonococcal incidence, screening, and reporting as explanations for increased gonococcal case reports between 2008 and 2018, United States.

009.5 Emily Learner Characteristics of People with Gonorrhoea with Reduced Azithromycin Antimicrobial Susceptibility in 8 Jurisdictions in the United States, 2018–2019

009.6 Anastasia Unitt Typing outer membrane vesicle proteins of *Neisseria gonorrhoeae* provides insight into antimicrobial resistance.

SESSION 10: CHLAMYDIA EPIDEMIOLOGY

010.1 Nicole Dukers-Muijers Incident urogenital and anorectal *Chlamydia trachomatis* in women: the role of sexual exposure and auto-inoculation; a multicentre observational study (FemCure)

010.2 Bernice Hoenderboom The Netherlands Chlamydia Cohort Study: Adverse pregnancy outcomes in women with and without a previous chlamydia infection

010.3 Megan Clare Craig-kuhn Community context and individual behavior pathways to chlamydia infection among young Black men

010.4 Christine Khosropour Incidence and duration of pharyngeal *Chlamydia trachomatis* (CT) among a cohort of men who have sex with men (MSM)

010.5 Monica Surette Repeated, low dose *Chlamydia* infections trigger aberrant immune responses and enhanced tissue pathology

010.6 Xianglong Xu The role of saliva as a lubricant for masturbation for transmitting *Chlamydia trachomatis* in men who have sex with men

SESSION 11: STI TREATMENT

011.1 Duygu Durukan Tolerability of topical imiquimod against high-risk human papillomavirus infection in men-who-have-sex-with-men living with HIV

011.2 Andrew Lau Treatment efficacy of 1g azithromycin versus 100mg doxycycline bi-daily for seven days for asymptomatic rectal *Chlamydia trachomatis*

011.3 Joyce Braam Clinical improvement after treatment for urethritis: the role of *Mycoplasma genitalium*

011.4 Jason Ong Impact of screening of *Mycoplasma genitalium* and its macrolide resistance in men who have sex with men living in Australia

011.5 Irith De Baetselier Heterogeneity of *Mycoplasma genitalium* resistance to macrolides and fluoroquinolones among men who have sex with men initiating PrEP in West-Africa

011.6 Winston Abara Acceptability of a potential gonococcal vaccine among sexually-active men who have sex with men – American Men’s Internet Survey, 2019

SESSION 12: HIV

012.1 Xianglong Xu Use of machine learning algorithms to assess the risk of acquisition of HIV and sexually transmitted infections

012.2 Phillip Keen A novel analysis of NSW HIV surveillance data to highlight HIV prevention program impact and gaps

012.3 Ard Van Sighem The Netherlands on track to achieve UNAIDS’ ‘95-95-95’ HIV targets for 2025 in all STI surveillance regions

012.4 Aneeka Ratnayake Diagnosis of Learning Disability is Associated with Approximately 2-Fold Increase in Neurocognitive Impairment in People Living with HIV

012.5 Claire Reynolds Respecting donors protecting recipients: introducing the FAIR approach to MSM blood donor selection policy

012.6 Hope King Minority HIV/AIDS Research Initiative: Advancing HIV Prevention and Treatment Through Data-Informed Research, Community-Informed Practices and Innovative Intervention Strategies

SESSION 13: PREP

- 013.1 Daphne Van Wees Gini coefficients to quantify heterogeneity in sexual behavior and STI distribution before and after PrEP among MSM in the Netherlands
- 013.2 Mark van den Elshout Predictors of PrEP adherence among men who have sex with men in Amsterdam, the Netherlands
- 013.3 Jordan Sang Trends in PrEP awareness and uptake among Gay, Bisexual and other Men who have Sex with Men (GBM) in Canada
- 013.4 Michel Alary Prevalence of gonorrhoea, chlamydia and syphilis among men who have sex with men initiating HIV pre-exposure prophylaxis in Cotonou, Benin
- 013.5 Vita Jongen Comparing MSM using event-driven PrEP to those using daily PrEP – data from two European PrEP demonstration projects
- 013.6 Haoyi Wang Determinants of PrEP uptake, intention and awareness in the Netherlands: a socio-spatial analysis

SESSION 14: LGBTQ POPULATIONS – MSM

- 014.1 Tyrone Curtis Behaviour or Identity? Differences in HIV testing by sexual identity among MSM in high-income countries: an individual participant data meta-analysis
- 014.2 Preeti Pathela Persistent racial and ethnic disparities amid declining HIV incidence among men who have sex with men, New York City, 2010–2018
- 014.3 Emily Rowlinson High incidence of antimicrobial use and overuse in cisgender men who have sex with men at risk of bacterial STIs
- 014.4 Eric Chow Enteric and sexually acquired pathogens in men who have sex with men with clinical proctitis
- 014.5 Rayner Kay Jin Tan Trauma and chemsex as coping among gay, bisexual and other men who have sex with men in Singapore
- 014.6 Rayner Kay Jin Tan Social capital and chemsex initiation in young gay, bisexual, and other men who have sex with men

SESSION 15: LGBTQ POPULATIONS – TRANS AND BI

- 015.1 Yongjie Sha Unmet health needs and their associations with gender minority stress among Chinese transgender individuals
- 015.2 Olivia Van Gerwen “It’s behaviors; It’s not identity”: Attitudes Related to HIV Risk and Pre-Exposure Prophylaxis Among Transgender Women in the Southeastern US
- 015.3 Kyle Bernstein Heterogeneity among American Men who have sex with men and women: National Survey of Family Growth (NSFG) 2011-2019
- 015.4 Diana Tordoff Geographic variation in HIV testing among transgender and non-binary adults in the United States
- 015.5 Beatriz Nobre Monteiro Paiatto Prevalence and risk factors for chlamydia and gonorrhoea among transgender women in 2019-20 in São Paulo, Brazil
- 015.6 Tyrone Curtis “If they ask, I will tell them”: Attitudes towards accessing sexual healthcare among heterosexual-identifying MSM in England

SESSION 16: FEMALE REPRODUCTIVE HEALTH FOR STIS AND HIV

- 016.1 Michelle Scoullar High burden of reproductive tract infections and poor sexual and reproductive health in pregnancy and postpartum in Papua New Guinea

- 016.2 Amy Corneli Episodic PrEP Use among Young Women in Siaya County, Kenya
- 016.3 Carolyne Akello High prevalence of sexually transmitted infections among young African women in REACH study of oral emtricitabine-tenofovir and dapivirine vaginal ring
- 016.4 Megan Srinivas Impact of Defunding Family Planning Health Centers on Gonorrhea and Chlamydia Cases in Iowa: A Longitudinal Spatiotemporal Analysis of 2000-2018
- 016.5 Mercy Shibemba Young Women Rising: Connecting Young Women Living with HIV in the UK
- 016.6 Kevin Turner Which psychosocial interventions improve sex worker wellbeing? A systematic review of evidence from resource rich countries.

SESSION 17: HEALTH CARE SERVICES

- 017.1 Filippo Zimbile What makes Sense? Strategical use of eHealth technology to stimulate self-care in public sexual health care
- 017.2 Caley Shukalek Exploring Freddie: Lessons from a Novel Virtual HIV PrEP Care Model in Canada
- 017.3 Bradley Stoner Maintaining Services, Responding to Need: The Kingston (Ontario) Quick Test Clinic
- 017.4 Sebastian Fuller First clinical evaluation of a 30-minute point-of-care-test for Chlamydia trachomatis and Neisseria gonorrhoeae infection in UK sexual health clinics
- 017.5 Gillian Dean Blood borne viruses screening (BBVS) for temporarily housed rough sleepers in Brighton & Hove during the Covid-19 pandemic
- 017.6 Denise Twisk Risk factors for STI versus testing rates in a Dutch multicultural area: opportunities for increasing sexual health care accessibility?

SESSION 18: SEXUAL PARTNERSHIPS AND PARTNER THERAPY

- 018.1 Heidi Constantinou Associations between methods of meeting sexual partners and sexual practice among heterosexuals: a cross-sectional study performed in Melbourne, Australia
- 018.2 Claudia Estcourt Does Accelerated partner therapy improve partner notification outcomes for people with chlamydia? The LUSTRUM cluster cross-over randomised control trial.
- 018.3 Jackie Cassell Characteristics and outcomes of people who used Accelerated Partner Therapy for chlamydia in the LUSTRUM cluster cross-over randomised control trial.
- 018.4 Cherie Blair Uncovering Risky Networks: Risk Behaviors, Sexual Partnerships, and Provider Discussions Among Men Who Have Sex with Men and Women (MSMW)
- 018.5 Linda Campbell Comparison of Intimate Partner Violence prior to and during the COVID-19 pandemic: Findings from the I-SHARE cross-sectional multi-country study
- 018.6 Jami Leichter Racial-ethnic mixing patterns in the United States, 2006-2019

SESSION 19: MISCELLANEOUS

- 019.1 Rayner Kay Jin Tan Effect of a web drama video series on HIV/STI testing among gay men in Singapore: a pragmatic, randomized controlled trial

- 019.2 Chunyan Li Penny Limited HIV Pre-exposure Prophylaxis Uptake among Chinese Men Who Have Sex with Men– Qualitative Analysis and Potential for an App
- 019.3 Loosier Trends in Discussion of Pre-Exposure Prophylaxis for HIV on Reddit, 2014-2019
- 019.4 Paul Flowers How can we enhance the implementation of PrEP? Developing evidence-based and theory-informed recommendations from Scotland’s national PrEP programme.
- 019.5 Dinah Bons Integrating care for trans people: The Transclinic, a collaboration between Trans United Europe and the Public Health Service of Amsterdam
- 019.6 Carmen Logie Pathways between intersectional stigma, gender equitable norms, and condom outcomes among urban refugee and displaced youth in Kampala, Uganda

SESSION 20: LATE BREAKERS – TBD

- 020.1 Olusegun Soge A Clinical Endocervical Neisseria gonorrhoeae Isolate Transiently Colonizes the Nonhuman Primate Lower Genital Tract
- 020.2 Henry de Vries Ertapenem is non-inferior to ceftriaxone for the treatment of anogenital gonorrhea: the NABOGO randomized double blind non-inferiority trial
- 020.3 Gloria Ebelechukwu Anyalechi Quantitative Chlamydia trachomatis Pgp3 seropositivity and reproductive sequelae among women, National Health and Nutrition Examination Survey, United States, 2013–2016
- 020.4 Frederick Nindo Evaluation of global Treponema pallidum genetic diversity using representative sampling and high-throughput genomic analysis
- 020.5 Pamela Matson Love in Lockdown: Relationship Stress, Dating Violence and STI Risk in Adolescent and Young Adult Relationships during the COVID-19 Pandemic
- 020.6 Kevin Janssen Chlamydia trachomatis viable load at six different anatomical sample sites in women (CHLAMOUR)