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GENERAL INFORMATION

SCIENTIFIC SESSIONS: Oral presentations will be in the Fuschlsee Rooms 1 & 2.

MEALS: With the exception of the banquet, the meals will be in the Jagdhofstuben. Breakfast is served from 6:30 – 8:00 AM. Lunch and dinner times are indicated on the Program Overview.

BANQUET: The banquet will be held Thursday, June 24, at The Residenz-Palais, the former palace of Salzburg's Prince Archbishop and a unique splendor in the heart of the city of Salzburg. Busses will leave the hotel at 6:00 PM to the City of Salzburg. After a short walk over the River Salzach we will arrive at the Palace and get the opportunity to enjoy a classical Welcome Concert in one of its baroque rooms. Dinner will be served at 8:00 PM in the "Carabinieri-Hall". During the evening you will have the opportunity for a short walk through the state apartments of the "Residenz-Palais". This will be an exceptional evening in the most famous historic place in Salzburg! Return buses will leave around midnight to return to the hotel.

INSTRUCTIONS TO PRESENTERS

POSTER PRESENTATIONS: All posters are to be mounted no later than 10:00 AM on Monday, 21 June. Boards are labeled A or B followed by a number. Consult the meeting program to determine your poster board number. Posters will remain in place until the end of the presentations on Thursday afternoon. Posters must be removed by 8:00 AM on Friday or they will be discarded.

PLEASE NOTE: Presenters with posters labeled 'A' should be present at their posters on Monday, June 21 from 5:30 – 7:00 PM; and those with posters labeled 'B' should be present at their posters on Tuesday, June 22 from 5:30 – 7:00 PM.

PROGRAM OVERVIEW

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY				
9:00 AM		Posters Up	Host Response	Genomics	STIs	Molecular Biology				
9:10 AM										
9:20 AM										
9:30 AM										
9:40 AM										
9:50 AM										
10:00 AM										
10:10 AM	Welcome									
10:20 AM	Trachoma									
10:30 AM										
10:40 AM		Break	Break	Break	Break					
10:50 AM										
11:00 AM										
11:10 AM			Host Response	Genomics	STIs					
11:20 AM										
11:30 AM										
11:40 AM										
11:50 AM				STIs & Behavioral		Closing Remarks				
12:00 PM										
12:10 PM										
12:20 PM										
12:30 PM										
12:40 PM										
12:50 PM										
1:00 PM										
1:10 PM										
1:20 PM										
1:30 PM						Trachoma		Free Afternoon		Departures
1:40 PM										
1:50 PM	Registration									
2:00 PM			Host Response		STIs					
2:10 PM										
2:20 PM										
2:30 PM										
2:40 PM										
2:50 PM										
3:00 PM					Break					
3:10 PM										
3:20 PM			Break		Cell Biology					
3:30 PM										
3:40 PM	Break	Diagnostics								
3:50 PM										
4:00 PM	Cell Biology									
4:10 PM										
4:20 PM										
4:30 PM										
4:40 PM										
4:50 PM										
5:00 PM										
5:10 PM										
5:20 PM										
5:30 PM										
5:45 PM										
6:00 PM	Informal Mixer & Buffet	Poster Session	Poster Session							
6:15 PM										
6:30 PM										
6:45 PM										
7:00 PM			Dinner	Dinner	Dinner	Banquet				

SCIENTIFIC SESSIONS

MONDAY

10:10

WELCOME AND OPENING REMARKS

A. Stary

TRACHOMA – Co-Chairs, D. C. Mabey and S. K. West

10:20

TRACHOMA: PROSPECTS FOR ELIMINATION BY 2020

S. K. West

Dana Center for Preventive Ophthalmology, Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD

10:50

PREVALENCE OF, AND RISK FACTORS FOR, TRACHOMA AND OCULAR
CHLAMYDIA TRACHOMATIS INFECTION IN THE GAMBIA AND TANZANIA

E. M. Harding-Esch, T. Edwards, H. Mkocha, B. Munoz, M. J. Holland, S. E. Burr, A. Sillah, D. C. Mabey, R. L. Bailey, S. K. West

Clinical Research Unit, Department of Infectious and Tropical Department, London School of Hygiene & Tropical Medicine, London, UK

11:10

A SINGLE ROUND OF MASS AZITHROMYCIN TREATMENT IS SUFFICIENT FOR
TRACHOMA ELIMINATION IN THE GAMBIA

S. E. Burr, E. M. Harding-Esch, M. J. Holland, A. Sillah, R. L. Bailey, D. C. W. Mabey
London School of Hygiene and Tropical Medicine, London, UK; and Medical Research Council Laboratories, Fajara, Banjul, The Gambia

11:30

SINGLE MASS TREATMENT WITH AZITHROMYCIN AND HIGH COVERAGE IS NOT
SUFFICIENT TO ELIMINATE TRACHOMA OR *C. TRACHOMATIS* INFECTION IN MESO-
ENDEMIC VILLAGES IN TANZANIA

S. K. West, B. Munoz, H. Mkocha, C. Gaydos, T. C. Quinn, on behalf of PRET Study Group.

Dana Center for Preventive Ophthalmology, Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD

11:50

A MATHEMATICAL MODEL OF TRACHOMA TRANSMISSION—IS ELIMINATION EASIER THAN WE HAD THOUGHT?

T. M. Lietman, K. J. Ray, J. D. Keenan, B. D. Gaynor, P. Emerson, T. C. Porco, the TANA study group

F. I. Proctor Foundation and Department of Ophthalmology, University of California, San Francisco, CA, USA

12:10 – **LUNCH**

1:30

BLINDING TRACHOMA: AN UPDATE ON EFFORTS TO ACHIEVE THE GLOBAL ELIMINATION OF TRACHOMA BY 2020 (GET2020)

C. Knirsch, D. Haddad

Pfizer, Inc, New York City, NY

2:00

WE DO NOT FIND CHLAMYDIA SPECIES OTHER THAN *C. TRACHOMATIS* IN TRACHOMA CASES FROM NIGER

C. A. Gaydos, P. Ramachandran, J. Moncada, S. K. West, A. Abdou, C. R. Dawson, J. Schachter

Division of Infectious Diseases, Johns Hopkins University, Baltimore, MD, USA

2:20

IN VIVO CONFOCAL MICROSCOPY OF TRACHOMATOUS CONJUNCTIVAL SCARRING: A CASE-CONTROL STUDY

V. Hu, P. Massae, H. A. Weiss, R. L. Bailey, D. C. W. Mabey, M. J. Burton

Department of Infectious & Tropical Diseases, London School of Hygiene & Tropical Medicine, London, UK; and Kilimanjaro Centre for Community Ophthalmology, Moshi, Tanzania

2:40

THE RISE AND FALL OF PNEUMOCOCCAL RESISTANCE IN TRACHOMA PROGRAMS

B. Gaynor, S. Haug, T. Lakew, W. Alemayehu, K. Ray, T. Porco, J. Keenan, T. Lietman

F. I. Proctor Foundation and Department of Ophthalmology, University of California, San Francisco, CA, USA

3:00

LATRINE PROMOTION AND MASS AZITHROMYCIN FOR TRACHOMA: ASSESSMENT OF MORTALITY FROM A CLUSTER-RANDOMIZED TRIAL

J. D. Keenan, Z. Zhou, B. Ayele, T. Gebre, M. Zerihun, J. I. House, N. E. Stoller, B. D. Gaynor, T. C. Porco, P. M. Emerson, T. M. Lietman

F. I. Proctor Foundation and Department of Ophthalmology, University of California, San Francisco, CA, USA

3:20

**MULTI-LOCUS SEQUENCE TYPING: A USEFUL TOOL FOR TRACHOMA
MOLECULAR EPIDEMIOLOGY**

E. M. Harding-Esch, L. Christerson, K. Grannas, C. H. Roberts, M. J. Holland, A. A. Andreasen, A. Sillah, B. Sarr, B. Herrmann, R. L. Bailey, **D. C. Mabey**
Department of Infectious and Tropical Diseases, London School of Hygiene & Tropical
Medicine, London, UK

3:40 – **BREAK**

CELL BIOLOGY – Co-Chairs, P. B. Wyrick and G. Zhong

4:00

MOLECULAR BASIS OF CHLAMYDIAL INTERACTIONS WITH HOST CELLS

G. Zhong, L. Lei, S. Gong, M. Qi, H. Fan
Department of Microbiology and Immunology, University of Texas Health Science Center at
San Antonio, TX, USA

4:30

**RESCUING INFECTIVITY OF CHLAMYDIA-RESISTANT HOST CELLS WITH
CENTRIFUGATION**

R. S. Stephens, C. G. Conant
Division of Infectious Diseases, University of California, Berkeley, CA, USA

4:50

**INVOLVEMENT OF ESTROGEN RECEPTOR BETA IN *C. TRACHOMATIS* SEROVAR E
INFECTION OF HEC-1B ENDOMETRIAL EPITHELIAL CELLS**

P. B. Wyrick, M. Schell, C. Moore, J. Whittimore, J. Vanover Hall, S. Dessus-Babus
Department of Microbiology, James H. Quillen College of Medicine, East Tennessee State
University, Johnson City, TN, USA

5:10

***CHLAMYDIA TRACHOMATIS* CO-OPTS HOST NONVESICULAR AND VESICULAR
TRAFFICKING PATHWAYS FOR REPLICATION AND INCLUSION DEVELOPMENT**

C. Elwell, S. Jiang, A. Lee, J. H. Kim, T. Wittmann, K. Hanada, P. Melancon, **J. Engel**
Departments of Medicine and Microbiology & Immunology, University of California, San
Francisco, CA, USA

5:30 – 7:00 **POSTER SESSION ‘A’**

SCIENTIFIC SESSIONS

TUESDAY

HOST RESPONSES – Co-Chairs, B. Kaltenboeck and M. Starnbach

9:00

INTRODUCTION

M. Starnbach

Department of Microbiology and Molecular Genetics, Harvard Medical School, Boston, MA, USA

9:10

CXCR3 AND CCR5 ARE BOTH REQUIRED FOR CHLAMYDIA-SPECIFIC CD4+ T CELL RECRUITMENT TO THE GENITAL TRACT DURING INFECTION

A. Olive, D. Gondek, M. Starnbach

Department of Microbiology and Molecular Genetics, Harvard Medical School, Boston, MA, USA

9:30

T REGULATORY CELLS AND PLASMACYTOID DENDRITIC CELLS MODULATE OVIDUCT INFLAMMATION

K. A. Kelly, A. M. Chan, L. K. Gordon, J. Braun, M. Arditì, R. J. Moniz

Department of Pathology & Laboratory Medicine and the California NanoSystems Institute at the David Geffen School of Medicine, University of California, Los Angeles, CA, USA

9:50

APOPTOSIS OF CD4+ CELLS REGULATES IMMUNOPROTECTION AGAINST *CHLAMYDIA PNEUMONIAE*

C. Wang, E. Chowdhury, S. K. Rahman, **B. Kaltenboeck**

Department of Pathobiology, Auburn University, Auburn, AL, USA

10:10

ANTIBODY SIGNATURES OF PROTECTIVE IMMUNITY IN A NON-HUMAN PRIMATE TRACHOMA MODEL

L. Kari, M. M. Goheen, L. E. Bakios, W. M. Whitmire, H. D. Caldwell

Laboratory of Intracellular Parasites, Rocky Mountain Laboratories, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Hamilton, MT, USA

10:30

CHARACTERIZATION OF ANTIBODY BINDING TO *CHLAMYDIA TRACHOMATIS*
MAJOR OUTER MEMBRANE PROTEIN VARIABLE DOMAIN IV

R. Bumbuleviciute, A. Holm, G. Christiansen, **S. Birkelund**

Department of Medical Microbiology and Immunology, Aarhus University, Denmark; and
Loke Diagnostics, Risskov, Denmark

10:50 – **BREAK**

11:10

CHLAMYDIA TRACHOMATIS VIABILITY IS IMPAIRED BY NF- κ B INHIBITION DURING
IRF ACTIVATION BUT IS NOT IMPACTED DURING NF- κ B ACTIVATION AND SERINE
PROTEASE INHIBITION

S. Gloeckl, P. Timms, **W. M. Huston**

Institute of Health and Biomedical Innovation, Queensland University of Technology,
Brisbane, Australia

11:30

HUMAN OCULAR *CHLAMYDIA TRACHOMATIS* DISEASE, INFECTION AND IMMUNE
RESPONSES EXAMINED USING QUANTITATIVE CONJUNCTIVAL GENE
EXPRESSION WITH INTENSIVE LONGITUDINAL FOLLOW-UP AND GENE CO-
EXPRESSION ANALYSIS

M. J. Holland, N. Faal, D. Jeffries, H. Joof, I. Sarr, M. Laye, A. Sillah, D. C. W. Mabey, R.
L. Bailey

London School of Hygiene and Tropical Medicine, London, UK; and Medical Research
Council Laboratories, Fajara, Banjul, The Gambia

11:50

EXPRESSION PROFILING OF CYTOKINES, CHEMOKINES AND THEIR RECEPTORS
DURING HUMAN OCULAR CHLAMYDIAL INFECTION

A. Natividad, M. Holland, D. Mabey, **R. Bailey**

London School of Hygiene & Tropical Medicine, London, UK; and Medical Research
Council Laboratories, Fajara, The Gambia

12:10 – **LUNCH**

2:00

THE ABILITY OF *CHLAMYDIA TRACHOMATIS* TO CAUSE CHRONIC INFECTION IN
IRG-DEFICIENT MICE IS FOILED BY A SURGE IN T CELLS

J. Coers, D. Gondek, A. Rohlfing, **M. Starnbach**

Department of Microbiology and Molecular Genetics, Harvard Medical School, Boston,
MA, USA

2:20

ENDEMIC *CHLAMYDIA PECORUM* INFECTIONS REDUCE MILK PRODUCTION IN DAIRY COWS VIA INFLAMMATORY LIVER INJURY

S. K. Ahluwalia, D. M. Carpenter, H. Maxwell, **B. Kaltenboeck**
Department of Pathobiology, Auburn University, Auburn, AL, USA

2:40

CHLAMYDIA PNEUMONIAE INDUCES EXPRESSION OF THE SCAVENGER RECEPTOR LOX-1 AND PROATHEROGENIC FACTORS IN C57BL/6J MICE

L. A. Campbell, M.W. Berry, J. Heard, M.E. Rosenfeld, C.-C. Kuo
Departments of Epidemiology and Pathology, University of Washington, Seattle, WA, USA

3:00

CHLAMYDIA PNEUMONIAE DISARRANGES THE HUMAN ENDOTHELIN-1 SYSTEM AND CAUSES PROLIFERATION OF VASCULAR CELLS

J. M. Kern, V. Maass, M. Maass
Institute of Medical Microbiology and Infectious Diseases, University Hospital Salzburg, Austria

3:20 – **BREAK**

DIAGNOSTICS – Co-Chairs, M. Chernesky and A. Sary

3:40

DIAGNOSIS OF *CHLAMYDIA TRACHOMATIS* INFECTION

J. Schachter
Department of Laboratory Medicine, University of California, San Francisco, CA, USA

4:10

ALARMINGLY POOR PERFORMANCE IN *CHLAMYDIA TRACHOMATIS* POINT OF CARE TESTING

L. van Dommelen, F. H. van Tiel, S. Ouburg, E. E. H. G. Brouwers, P. H. W. Terporten, P. H. M. Savelkoul, S. A. Morré, C. A. Bruggeman, C. J. P. A. Hoebe
Department of Medical Microbiology, Maastricht Infection Centre, Maastricht University Medical Centre, School for Public Health and Primary Care (CAPHRI), Maastricht, The Netherlands

4:30

DIAGNOSIS OF *C. TRACHOMATIS* AND *N. GONORRHOEAE* INFECTIONS IN MEN AND WOMEN BY TESTING URINE AND VARIOUS SELF-COLLECTED SWAB TYPES IN THE APTIMA COMBO 2@ ASSAY

M. Chernesky, D. Jang, E. Portillo, M. Smieja, R. Ewart, C. MacRitchie
St. Joseph's Healthcare/McMaster University, Hamilton, ONT, Canada

4:50

STABILITY OF *CHLAMYDIA TRACHOMATIS* ON DRY SWABS AS DETECTED BY THE GEN-PROBE APTIMA ASSAY

J. Moncada, A. Roger, J. Schachter

Department of Laboratory Medicine, University of California, San Francisco, CA, USA

5:10

COMPARISON OF APTIMA COMBO 2®, AMPLICOR™ AND PROBETEC™ ASSAYS FOR THE DETECTION OF *CHLAMYDIA TRACHOMATIS* AND *NEISSERIA GONORRHOEAE* IN SUREPATH™ LIQUID-BASED PAP SAMPLES

D. Jang, M. Chernesky, E. Portillo, M. Smieja, J. Kapala, C. Doucette, J. Sumner, R. Ewart, D. MacEachern, C. Pritchard, C. MacRitchie

St. Joseph's Healthcare/McMaster University, Hamilton, ONT, Canada

5:30 – 7:00 **POSTER SESSION 'B'**

SCIENTIFIC SESSIONS

WEDNESDAY

GENOMICS – Co-Chairs, R. S. Stephens and P. Timms

9:00

CHLAMYDIAL GENOMICS : A MAJOR PLAYER IN UNRAVELLING THE BIOLOGY OF THIS UNIQUE ORGANISM

P. Timms

Institute of Health and Biomedical Innovation, Queensland University of Technology,
Brisbane, Australia

9:30

CHLAMYDIA PNEUMONIAE EVOLUTION : MOLECULAR EVIDENCE FOR TWO ANIMAL-HUMAN TRANSMISSION EVENTS

P. Timms, C. M. Mitchell, G. S. A. Myers, S. Hutton, R. Brunham

Institute of Health and Biomedical Innovation, Queensland University of Technology,
Brisbane, Australia

9:50

FULL GENOME SEQUENCING OF *PROTOCHLAMYDIA NAEGLERIOPHILA*: AN INSIGHT INTO CHLAMYDIALES GENOME EVOLUTION

C. Bertelli, O. Cissé, G. Greub

Institute of Microbiology, University Hospital Center and University of Lausanne, Lausanne,
Switzerland

10:10

THE ASTOUNDING MOLECULAR AND MORPHOLOGICAL DIVERSITY AMONGST NOVEL MEMBERS OF THE ORDER CHLAMYDIALES

L. Vaughan, A. Polkinghorne, H. Schmidt-Posthaus, A. Colorni, L. Nufer, P. Schwarb, C. Genoud, H. Segner, G. Greub, A. Meijer, S. Crespo, A. Pospischil

Institute of Veterinary Pathology, University of Zurich, Zurich, Switzerland

10:30

MULTI LOCUS SEQUENCE TYPING OF CHLAMYDIALES: CLONAL GROUPINGS WITHIN *CHLAMYDOPHILA ABORTUS* AND HOST ASSOCIATED GENOTYPES OF *CHLAMYDOPHILA PSITTACI*

Y. Pannekoek, D. S. A. Beeckman, V. Dickx, E. Vretou, D. Vanrompay, A. van der Ende
Academic Medical Center, Center for Infection and Immunity Amsterdam (CINIMA),
Department of Medical Microbiology, Amsterdam, The Netherlands

10:50 – **BREAK**

11:10

GENERATION OF RECOMBINANT *C. TRACHOMATIS* STRAINS FOR ASSOCIATING INDIVIDUAL GENES WITH KNOWN PHENOTYPES

R. J. Suchland, B. M. Jeffrey, K. M. Sandoz, W. E. Stamm, D. D. Rockey
Division of Allergy and Infectious Diseases, University of Washington, Seattle, WA, USA

11:30

FRAMESHIFT MUTATIONS IN A SINGLE NOVEL VIRULENCE FACTOR ALTER THE IN VIVO PATHOGENICITY OF *CHLAMYDIA TRACHOMATIS*

L. Kari, G. L. Sturdevant, D. J. Gardner, N. Olivares-Zavaleta, W. M. Whitmire, J. H. Carlson, M. M. Goheen, E. M. Selleck, L. B. Randall, C. Martens, H. D. Caldwell
Laboratory of Intracellular Parasites, Rocky Mountain Laboratories, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Hamilton, MT, USA

SPECIAL PRESENTATION: SOCIAL AND BEHAVIORAL ASPECTS OF STIs

11:50

CHANGING PATTERNS OF SEXUAL CONNECTION: INSIGHTS FROM EVOLUTIONARY PSYCHOLOGY, BIOLOGY AND SOCIOLOGY

S. Aral

Centers for Disease Control & Prevention, The National Center for HIV/AIDS, Viral Hepatitis, STD and TB Prevention, Division of STD Prevention, Atlanta, GA, USA

12:10 – **LUNCH**

FREE AFTERNOON

SCIENTIFIC SESSIONS

THURSDAY

SEXUALLY TRANSMITTED INFECTIONS – Co-Chairs, J. Paavonen and J. Schachter

9:00

CHLAMYDIA TRACHOMATIS INFECTIONS OF THE GENITAL TRACT: SELECTED HIGHLIGHTS

J. Paavonen

Department of Obstetrics and Gynecology, Helsinki University Central Hospital, Helsinki, Finland

9:30

CHLAMYDIA TRACHOMATIS IS STILL COMMON IN PELVIC INFLAMMATORY DISEASE IN THE SOUTH OF SWEDEN

C. Bjartling, S. Osler, K. Persson

Department of Obstetrics & Gynaecology, Malmö University Hospital, Malmö, Sweden

9:50

CHLAMYDIA SHEDDING DURING THE WEEKS FOLLOWING INFECTION IN ADOLESCENT WOMEN

B. van der Pol, J. A. Williams, S. Taylor, W. Tu, B. P. Katz, B. E. Batteiger, J. D.

Fortenberry

Indiana University School of Medicine, Indianapolis, IN, USA

10:10

DETECTION AND SPREAD OF NEW VARIANT *CHLAMYDIA TRACHOMATIS* IN NORTHERN EUROPEAN COUNTRIES

I. N. Clarke, B. Hammas, A. M. J. Beerens, D. S. Luijt, H. Westh, P. Nilsson, T. Ripa

Molecular Microbiology Group, University Medical School, Southampton, UK

10:30

THE PROPORTION OF THE NEW VARIANT OF *CHLAMYDIA TRACHOMATIS* IS CONVERGING IN SWEDISH COUNTIES OVER TIME

L. Christerson, M. Klint, R. Hadad, B. Loré, C. Anagrius, A. Österlund, I. Larsson, S.

Sylvan, H. Fredlund, M. Unemo, **B. Herrmann**

Department of Clinical Microbiology, Uppsala University Hospital, Uppsala, Sweden

10:50 – **BREAK**

11:10

MOLECULAR EPIDEMIOLOGY OF *CHLAMYDIA TRACHOMATIS* IN FINLAND

S. Niemi, E. Hiltunen-Back, M. Puolakkainen

Department of Virology, Haartman Institute, University of Helsinki, Finland

11:30

LYMPHOGRANULOMA VENEREUM DISEASE IN FRANCE: WHERE WE ARE IN 2010 AND DOES IT SPREAD IN THE OVERALL *CHLAMYDIA TRACHOMATIS* INFECTED POPULATION?

M. Clerc, O. Peuchant, T. Rasamiravaka, C. Bébéar, A. Gallay, **B. de Barbeyrac**

Laboratoire de Bactériologie EA 3671, Centre National de référence des Infections à Chlamydia, Université Victor Segalen Bordeaux 2, Bordeaux, France

11:50

CHLAMYDIA AT AN INNER METROPOLITAN SEXUAL HEALTH CLINIC IN SYDNEY, NSW; THE AUSTRALIAN COLLABORATION FOR CHLAMYDIA ENHANCED SENTINEL SURVEILLANCE (ACCESS) PROJECT

N. Franklin, **C. C. O'Connor**, M. Shaw, R. Guy, A. Grulich, C. K. Fairley, M. Y. Chen, M. Hellard, B. Dickson, L. Marshall, B. Donovan, on behalf of the ACCESS Collaboration. Sexual Health Service, Community Health, Royal Prince Alfred Hospital, Sydney South West Area Health Service, New South Wales, Australia

12:10

ACCEPT (AUSTRALIAN CHLAMYDIA CONTROL EFFECTIVENESS PILOT): DESIGN OF A CHLAMYDIA TESTING CLUSTER RANDOMISED CONTROLLED TRIAL IN GENERAL PRACTICE

J. S. Hocking, N. Low, M. Temple-Smith, B. Donovan, J. Gunn, M. Law, J. Kaldor, R. Guy, S. Poznanski, C. K. Fairley, on behalf of the ACCEPT Consortium. Melbourne School of Population Health, University of Melbourne, Victoria, Australia

12:30 – **LUNCH**

2:00

PREVALENCE AND PREDICTORS OF GENITAL *CHLAMYDIA TRACHOMATIS* INFECTION AMONG ATTENDEES OF YOUTH CENTRES IN ST. PETERSBURG, RUSSIA

E. Shipitsyna, T. Krasnoselskikh, E. Zolotoverkhaya, A. Savicheva, E. Sokolovsky, M. Domeika, M. Unemo

Laboratory of Microbiology, D.O. Ott Research Institute of Obstetrics and Gynaecology, St. Petersburg, Russia

2:20

ANTI-CHLAMYDIAL EFFICACY OF 0.5% 3-OCTYLGLYCEROL (3-OG) GEL AS A TOPICAL MICROBICIDE IN A PIGTAILED MACAQUE MODEL

D. Patton

Department of Obstetrics & Gynecology, University of Washington, Seattle, WA, USA

2:40

A PEPTIDE DEFORMYLASE INHIBITOR AS A TOPICAL MICROBICIDE CANDIDATE FOR SEXUALLY TRANSMITTED CHLAMYDIAL INFECTION

H. Fan, X. Bao, C. B. Oey, B. S. Fyfe

Department of Physiology and Biophysics, Robert Wood Johnson Medical School, University of Medicine and Dentistry of New Jersey, Piscataway, NJ, USA

3:00 – **BREAK**

CELL BIOLOGY – Co-Chairs, S. Birkelund and G. I. Byrne

3:20

CHOLESTEROL GROWTH REQUIREMENTS FOR *CHLAMYDIA TRACHOMATIS* SEROVAR D IN HELA CELLS ARE DEPENDENT ON METABOLIC ACTIVITY BY THE HOST CELL AND THE PATHOGEN

J. Peters, G. I. Byrne

University of Tennessee Health Science Center, Memphis, TN, USA

3:40

THE ROLE OF THE PROTEASE CPAF IN CHLAMYDIA-INDUCED CENTROSOME AMPLIFICATION

K. A. Johnson, A. L. Chen, M. Tan, **C. Sütterlin**

Department of Developmental and Cell Biology, University of California, Irvine, CA, USA

4:00

THE HOST NECTIN-1 PROTEIN REGULATES CHLAMYDIAL DEVELOPMENT

R.V. Schoborg, J. Sun, C. Daniels, J. Whittimore, J. Kintner

Department of Microbiology, James H. Quillen College of Medicine, East Tennessee State University, Johnson City, TN, USA

4:20

GENE EXPRESSION ANALYSIS OF TRACHOMATOUS CONJUNCTIVAL SCARRING: A CASE CONTROL STUDY

M. J. Burton, S. N. Rajak, J. Bauer, H. Weiss, T. Sonda, A. Shoo, E. Habtamu, P. M.

Emerson, M. J. Holland, D. C. W. Mabey, R. L. Bailey

London School of Hygiene and Tropical Medicine, London, UK; and Kilimanjaro Christian Medical Centre Biotechnology Laboratory, Moshi, Tanzania

4:40

CYTOKINESIS MACHINERY MEDIATES THE EXTRUSION PATHWAY OF
CHLAMYDIA EXIT FROM HOST CELLS

K. Hybiske

Division of Infectious Diseases, University of California, Berkeley, CA, USA

6:00 – **BANQUET**

Buses must leave the hotel for The Residenz in Salzburg promptly.

SCIENTIFIC SESSIONS

FRIDAY

MOLECULAR BIOLOGY – Co-Chairs, G. Christiansen and I. N. Clarke

9:00

CHLAMYDIAL TRANSFORMATION: FACING UP TO THE CHALLENGE

I. N. Clarke

Molecular Microbiology Group, School of Medicine, University of Southampton and Sir Henry Wellcome Laboratories, Southampton General Hospital, Southampton, UK

9:30

DNA PACKAGING BY THE *CHLAMYDIA TRACHOMATIS* HCTB REPEAT

G. Christiansen, M. Klint, B. Herrmann, A. Holm, S. Birkelund

Department of Medical Microbiology and Immunology, Aarhus University, Denmark

9:50

THE ROLE OF A *CHLAMYDIA TRACHOMATIS* TRANSCRIPTION REGULATOR, CT663

L. Shen, X. Rao, J. Wang, M. Luo, X. Hu, X. Feng

Department of Microbiology, Immunology, and Parasitology, Louisiana State University Health Sciences Center, New Orleans, LA, USA

10:10

THE TRANSCRIPTIONAL REGULATOR, ChxR, RECOGNIZES TANDEM REPEAT DNA, INTERACTS WITH THE ALPHA SUBUNIT OF RNA POLYMERASE, AND IS ASSOCIATED WITH TYPE III SECRETION PROMOTERS IN VIVO

J. Hickey, L. Spedding, Z. Jaafar, P. S. Hefty

Department of Molecular Biosciences, University of Kansas, Lawrence, KS, USA

10:30

CO-REGULATION OF THE TWO *CHLAMYDIA PNEUMONIAE* TYPE III SECRETION ATPASES CDSN AND FLII BY CDSL

C. Stone, J. Mahony

Regional Virology & Chlamydiology Laboratory, St. Josephs Healthcare, Hamilton, ONT, Canada

10:50 – **BREAK**

11:10

EXPRESSION OF POLYMORPHIC MEMBRANE PROTEINS UNDER CONDITIONS OF STRESS-INDUCED PERSISTENCE IN *C. TRACHOMATIS*

J. A. Carrasco, C. Tan, R. G. Rank, **P. M. Bavoil**

Department of Microbial Pathogenesis, University of Maryland, Baltimore, MD, USA

11:30

PEPTIDE MIMETICS INHIBITING TYPE III SECRETION DECREASE HOST CELL
INVASION AND REDUCE INFECTION LEVELS IN THE MOUSE GENITAL TRACT

J. Mahony, C. Stone, L. Liu, R. Pyrie, S. Chong, J. Whittum-Hudson

Department of Pathology & Molecular Medicine, McMaster University; and Regional
Virology & Chlamydiology Laboratory, St. Josephs Healthcare, Hamilton, ONT, Canada

11:50

CLOSING REMARKS

J. Schachter

A. Stary

12:00 – LUNCH

DEPARTURES

POSTER SESSIONS 'A' (MONDAY) AND 'B' '(TUESDAY)

Presenters with posters numbered 'A' should be at their posters during the Monday evening poster session, and presenters with posters numbered 'B' should be at their posters during the Tuesday evening poster session.

TRACHOMA

- A-1 BACTERIAL INFECTION IN TRACHOMATOUS TRICHIASIS IN ETHIOPIA
S. N. Rajak, B. Abera, H. Weiss, E. Habtamu, P. M. Emerson, D. C. Mabey, R. L. Bailey, M. J. Burton
London School of Hygiene and Tropical Medicine, UK
- B-1 ESTIMATING THE PREVALENCE OF OCULAR CHLAMYDIAL INFECTION IN TRACHOMA COMMUNITIES USING POOLING: Evaluation of the bias and the appropriate pool sizes.
K. J. Ray, Z. Zhou, V. Cevallos, B. D. Gaynor, J. D. Keenan, T. M. Lietman, T.C. Porco
F. I. Proctor Foundation, University of California, San Francisco, USA

CELL BIOLOGY

- A-2 CD80 EXPRESSION IN MONOCYTES AND MONOCYTE DERIVED DENDRITIC CELLS IS INFLUENCED BY *CHLAMYDIA TRACHOMATIS* INFECTION AND IS MODULATED BY TLR 2 AND TLR 4
M. Cooper, M. Roberts, G. A. Jarvis
Department of Medical Microbiology, Immunology and Cell Biology, Southern Illinois University School of Medicine, Springfield, IL, USA
- B-2 CPAF MEDIATES THE INHIBITION OF HMGB1 RELEASE FROM *CHLAMYDIA TRACHOMATIS*-INFECTED HOST CELLS
H. Yu, E. Straube, **J. Rödel**
Institute of Medical Microbiology, Friedrich Schiller University of Jena, Jena, Germany
- A-3 1,25-DIHYDROXYVITAMIN D3 PROTECTS AGAINST CHLAMYDIA INFECTION IN VITRO AND IN VIVO
Q. He, M. T. Palmer, K. Joseph, F. O. Eko, Y. Ye, D. Wang, D. Lyn, G. Ananaba, C. M. Black, J. U. Igietseme
Morehouse School of Medicine and National Center for Infectious Diseases, Centers for Disease Control & Prevention, Atlanta GA, USA

HOST RESPONSES

- B-3 NARROWING IN CD4+-EPITOPES IN *CHLAMYDIA PNEUMONIAE* PMP8
K. Schelde, B. Vandahl, G. Christiansen, S. Birkelund
Department of Medical Microbiology and Immunology, Aarhus University, Denmark
- A-4 IL-12p40 POLYMORPHISMS AND *C. TRACHOMATIS* SPECIFIC LYMPHOCYTE PROLIFERATIVE RESPONSES
H. Öhman, R. Bailey, A. Natividad, A. Tiitinen, M. Halttunen, J. Paavonen, H.-M. Surcel
National Institute for Health and Welfare, Oulu, Finland
- B-4 MECHANISMS OF T CELL MEDIATED IMMUNITY IN NEWBORN MICE AGAINST A *CHLAMYDIA* INFECTION
S. Pal, O. Tatarenkova, L. M. de la Maza
University of California, Irvine, Irvine, CA, USA
- A-5 IMMUNE RESPONSE GENE VARIANTS AS CORRELATES OF GENITAL *CHLAMYDIA* IN ADOLESCENTS
W. M. Geisler, B. Jiang, W. Song, S. Shrestha, J. Tang
Department of Medicine, University of Alabama at Birmingham, AL, USA
- B-5 INDUCTION OF LONG-TERM PROTECTIVE *CHLAMYDIAL* IMMUNITY IN MICE
F. O. Eko, E. Ekong, D. Okenu, U. Singh, Q. He, C. Black, J. U. Igietseme
Morehouse School of Medicine, Atlanta, GA, USA
- A-6 THE IMMUNOGLOBULIN SUBCLASSES PRODUCED IN RESPONSE TO *CHLAMYDIA TRACHOMATIS* IN INFERTILE WOMEN
A. Hjelholt, B. Deleuran, G. Christiansen, S. Birkelund
Department of Medical Microbiology and Immunology, Aarhus University, Denmark
- B-6 THE ROLE OF ADHESION MOLECULES IN *C. PNEUMONIAE* ACCELERATED FATTY STREAK DEVELOPMENT IN HYPERLIPIDEMIC C57BL/6J MICE
L. A. Campbell, S.-J. Jiang, J. Ricks, M.E. Rosenfeld, M.W. Berry, A.W. Lee and C.-C. Kuo
Departments of Epidemiology and Pathology, University of Washington, Seattle, WA, USA
- A-7 ASSOCIATION OF INTERLEUKIN-6 -174 G/C PROMOTER POLYMORPHISM WITH CHRONIC *CHLAMYDIA PNEUMONIAE* INFECTION IN YOUNG MEN
A. Rantala, T. Lajunen, R. Juvonen, M. Paldanius, S. Silvennoinen-Kassinen, A. Peitso, O. Vainio, M. Leinonen, P. Saikku
National Institute for Health and Welfare, Oulu, Finland; and Department of Medical Microbiology, University of Oulu, Finland

- B-7 TOLL-LIKE RECEPTOR 9 (TLR9) KO MICE, GENOTYPES, HAPLOTYPES AND CpG INDICES IN *CHLAMYDIA TRACHOMATIS* INFECTION
S. Ouburg, J. M. Lyons, J. A. Land, J. E. den Hartog, J. S. A. Fennema, H. J. C. de Vries, C. A. Bruggeman, J. I. Ito, A. S. Peña, P. S. J. Lundberg, S. A. Morré
 Laboratory of Immunogenetics, Department of Pathology, VU University Medical Center, Amsterdam, The Netherlands
- A-8 ANALYSES OF POLYMORPHISMS IN THE INFLAMMASOME-ASSOCIATED NLRP3 AND MICRORNA-146A GENES IN THE SUSCEPTIBILITY TO AND TUBAL PATHOLOGY OF *CHLAMYDIA TRACHOMATIS* INFECTION
 W. Wang, H. J. C. de Vries, H.-M. Surcel, H. Öhman, A. Tiitinen, J. Paavonen, R. Heijmans, J. Pleijster, **S. A. Morré**, S. Ouburg
 Laboratory of Immunogenetics, Department Pathology, VU University Medical Center, Amsterdam, The Netherlands
- B-8 SYSTEMS GENETICS ANALYSIS OF *CHLAMYDIA PSITTACI* INFECTION
I. Miyairi, J. Laxton, J. Ziebarth, R. Williams, L. Lu, G. Byrne, Y. Cui
 Department of Molecular Sciences and the Department of Pediatrics, University of Tennessee Health Science Center, Memphis, TN, USA
- A-9 LOCAL AND SYSTEMIC ANTIBODY RESPONSES IN GENITAL TRACT *CHLAMYDIA TRACHOMATIS* INFECTION AND THE RELATIONSHIP TO CHLAMYDIAL LOAD
R. Wiggins, G. Morris, N. Smith, T. Ramsey, A. Deasy, C. Lacey
 Centre for Immunology and Infection, Hull York Medical School, University of York, UK

DIAGNOSTICS

- B-9 A COMPARATIVE STUDY OF FOUR TESTS USING RECOMBINANT ANTIGENS FOR THE SERODIAGNOSIS OF *CHLAMYDIA TRACHOMATIS* INFECTIONS
O. Frikha-Gargouri, R. Gdoura, A. Znazen, J. Gargouri, A. Rebai, A. Hammami
 Department of Microbiology and Research Laboratory "Microorganismes et Pathologie Humaine", Habib Bourguiba Hospital of Sfax, Tunisia
- A-10 REPRODUCIBILITY OF POSITIVE TESTS FOR CHLAMYDIAL INFECTION WITH NUCLEIC ACID AMPLIFICATION TEST IN THE DIAGNOSTIC SETTING
C. Carder
 Clinical Microbiology, University College London Hospitals NHS Foundation Trust, London, UK

- B-10 USE OF INTERNET RECRUITED HOME KITS FOR SELF-COLLECTED RECTAL SWABS FOR CHLAMYDIA COMPARED TO VAGINAL SWAB RESULTS USING MAILED SPECIMENS
C. A. Gaydos, Y.-H. Hsieh, M. Barnes, P. Agreda, N. Quinn, M. Jett-Goheen, P. Whittle, T. Hogan
 Division of Infectious Diseases, Johns Hopkins University, Baltimore, MD, USA
- A-11 A COMPARISON BETWEEN HIGH RESOLUTION TYPING METHODS FOR *CHLAMYDIA TRACHOMATIS*
R.J.M. Bom, M. S. van Rooijen, S. M. Bruisten
 Public Health Laboratory, Public Health Service of Amsterdam, The Netherlands
- B-11 SIGNIFICANTLY HIGHER SEROLOGIC RESPONSES OF *CHLAMYDIA TRACHOMATIS* B GROUP SEROVARS VERSUS C AND I SEROGROUPS IN TWO DIFFERENT COHORTS
S. P. Verweij, C. J. Bax, K. D. Quint, W. G. V. Quint, A. P. van Leeuwen, R. P. H. Peters, P. M. Oostvogel, J. A. Mutsaers, P. J. Dörr, J. Pleijster, S. Ouburg, S. A. Morré
 Laboratory of Immunogenetics, Department of Pathology, VU University Medical Center, Amsterdam, The Netherlands
- A-12 POPULATION BASED SCREENING OF UROGENITAL *CHLAMYDIA TRACHOMATIS* INFECTIONS BY POOLING OF URINE SPECIMENS: DO WE MISS *C. TRACHOMATIS* POSITIVE PARTICIPANTS?
A. Catsburg, J. van Bergen, T. Coenen, H. Fennema, P. H. Savelkoul, S. A. Morré
 Department of Medical Microbiology and Infection Prevention, VU University Medical Center, Amsterdam, The Netherlands
- B-12 COMPARISON OF FIVE COMMERCIAL SEROLOGICAL TESTS FOR THE DETECTION OF ANTI-*CHLAMYDIA TRACHOMATIS* ANTIBODIES
 D. Baud, L. Regan, **G. Greub**
 Center for Research on Intracellular Bacteria, Institute of Microbiology, University of Lausanne, Switzerland
- A-13 A COMPARATIVE STUDY OF *CHLAMYDIA TRACHOMATIS* PGP3 ANTIBODY ELISA AND TWO *C. TRACHOMATIS* SPECIFIC MOMP PEPTIDE ASSAYS ON SERA FROM YOUNG PEOPLE IN THE COMMUNITY
P. J. Horner, G. S. Wills, R. Pebody, D. W. Brown, A. J. Broadbent, A. Colgan, D. Parker, M. O. McClure
 Department of Social Medicine, University of Bristol, UK
- B-13 LABORATORY DIAGNOSIS OF GENITAL *CHLAMYDIA TRACHOMATIS* INFECTIONS IN COUNTRIES OF EASTERN EUROPE – PRESENT AND FUTURE PERSPECTIVES
 M. Domeika, **M. Unemo**, on behalf of the EE SRH Network*
 Department of Medical Sciences, Uppsala University, Uppsala, Sweden

- A-14 A NEW OMPA-BASED DNA MICROARRAY ASSAY FOR RAPID GENOTYPING OF *CHLAMYDIA TRACHOMATIS* STRAINS
A. Ruettger, J. Feige, R. Ehricht, E. Schubert, S. A. Morré, Y. Pannekoek, **B. Herrmann**, P. Slickers, K. Sachse
Department of Clinical Microbiology, Uppsala University Hospital, Uppsala, Sweden
- B-14 REAL-TIME PCR DETECTION OF *CHLAMYDIA PNEUMONIAE* IN OROPHARYNGEAL SWABS AND BRONCHO-AVEOLAR LAVAGE SPECIMENS USING THE BD MAX® INSTRUMENT
J. T. Summersgill
Infectious Diseases Laboratory, Division of Infectious Diseases, Department of Medicine, University of Louisville, Louisville, Kentucky USA
- A-15 *CHLAMYDIA TRACHOMATIS* FROM PATIENTS WITH DIFFERENT DEGREES OF UROGENITAL SYMPTOMS ANALYSED BY MULTI-LOCUS SEQUENCE TYPING
L. Christerson, H. J. C. de Vries, M. Klint, S. A. Morré, **B. Herrmann**
Department of Clinical Microbiology, Uppsala University Hospital, Uppsala, Sweden
- B-15 RELATIVE LEVELS OF *CHLAMYDIA TRACHOMATIS* AND *NEISSERIA GONORRHOEAE* DETECTED IN MULTIPLE MALE AND FEMALE SPECIMEN TYPES USING AN AUTOMATED REAL TIME PCR TECHNOLOGY
S. Y. Ho, C. A. Gyados, C. P. Cartwright, G. Hansen, P. Colannino, J. Welsch, E. M. Webb, C. P. Barry, W. Choi, and K. Abravaya
Abbott Molecular Inc., Des Plaines, IL, USA
- A-16 DETECTION OF *CHLAMYDIA TRACHOMATIS* OCULAR INFECTION AND INHIBITORY SPECIMENS IN BABIES AND ADULTS BY COBAS TAQMAN CT v2.0 TEST
I. Budai, C. Marod, J. Bashford, R. Wallace
Department of Microbiology, James Cook University Hospital , Middlesbrough , UK
- B-16 ANALYSIS OF A LARGE DATASET OF HIGH AND LOW PREVALENCE SAMPLES TESTED IN A ROUTINE CLINICAL SETTING INDICATES THAT CONFIRMATORY TESTING USING APTIMA CT AFTER PRIMARY SCREENING SAMPLES WITH APTIMA COMBO 2 PROVIDES NO ADDITIONAL BENEFIT
D. Carrington, P. Horner
HPA SW Regional Laboratory, Bristol, UK
- A-17 CLINICAL PERFORMANCE EVALUATION OF THE VERSANT® CT/GC DNA 1.0 ASSAY (kPCR): A NEW ASSAY FOR THE DETECTION OF *CHLAMYDIA TRACHOMATIS* IN URETHRAL, ENDOCERVICAL AND URINE SPECIMENS USING THE VERSANT® kPCR MOLECULAR SYSTEM
A. Stary, A. Bilina, G. Gittler
Outpatients Centre for STD Diagnosis, Vienna, Austria

- B-17 DEVELOPMENT AND EVALUATION OF A NEW DOT-ELISA IMMUNOGLOBULIN KIT FOR LABORATORY DIAGNOSTICS OF *CHLAMYDIA TRACHOMATIS*: COMPARISON WITH PCR
V. Feodorova, T. Polyanina, A. Lyapina, I. Golova, S. I. Druzhkin, E. Fedotov, V. Tambovskaya, V. Grashkin
 Scientific and Research Institute for Medical and Veterinary Biotechnology, Saratov, Russia
- A-18 EVALUATION AND OPTIMIZATION OF A NEW DOT-ELISA IMMUNOGLOBULIN KIT FOR LABORATORY DIAGNOSTICS OF *CHLAMYDIA*
 V. Feodorova, **T. Polyanina**, A. Lyapina, I. Golova, S. I. Druzhkin, E. Fedotov, V. Tambovskaya, and V. Grashkin
 State Institution Saratov Scientific and Research Veterinary Station of Russia Academy for Agricultural Sciences, Saratov, Russia

MOLECULAR BIOLOGY

- B-18 *C. TRACHOMATIS* PMPD IS TRANSPORTED TO THE HOST CELL NUCLEUS BY NUCLEAR LOCALIZATION SIGNAL (S)
A. O. Kiselev, M. C. Skinner, M. F. Lampe
 Dept. of Laboratory Medicine, University of Washington, Seattle, WA, USA
- A-19 PMP GENETIC VARIATION MARKERS (SNPs) IN CLINICAL SPECIMENS OF *C. TRACHOMATIS*
C. I. Bandea, K. Joseph, J. Igietseme, C. M. Black
 Centers for Disease Control & Prevention, Atlanta, GA, USA
- B-19 GENOME-WIDE SCREENING OF PATHOGEN EFFECTORS IN *CHLAMYDOPHILA PNEUMONIAE* USING A YEAST EXPRESSION SYSTEM
Y. Kawai, M. Tabuchi, I. Yanatori, Y. Yasui, K. Miura, N. Miyashita, K. Ouchi, F. Kishi
 Department of Pediatrics and Department of Molecular Genetics, Kawasaki Medical School, Kurashiki, Okayama, Japan

SEXUALLY TRANSMITTED INFECTIONS

- A-20 THE SEROVAR DISTRIBUTION OF UROGENITAL *CHLAMYDIA TRACHOMATIS* STRAINS AMONG STD AND GYNAECOLOGICAL PATIENTS IN THE REGION OF THE HAGUE: AN ETHNIC EPIDEMIOLOGICAL APPROACH
C. J. Bax, K. D. Quint, R. P. H. Peters, S. Ouburg, P. M. Oostvogel, J. A. E. M. Mutsaers, P. J. Dörr, S. Schmidt, C. Jansen, A. P. van Leeuwen, J. B. Trimbos, S. A. Morré
 Department of Obstetrics and Gynecology, MCH Westeinde Hospital, The Hague, NL; and Department of Obstetrics, Academic Medical Center, Amsterdam, NL

- B-20 THE DISTRIBUTION OF *C. TRACHOMATIS* SEROTYPES IN FINLAND OVER THE PERIOD 1983-2005
H.-M. Surcel, E. Lyytikäinen, H. Öhman, M. Paldanius, K. Tasanen, A. Tiitinen, M. Lehtinen, J. Paavonen
 The National Institute for Health and Welfare, Oulu, Finland
- A-21 PREVALENCE OF MULTIPLE SITE OR DOUBLE *CHLAMYDIA TRACHOMATIS* SEROVAR INFECTIONS AND THE PREVALENCE OF SEROVAR G/Ga IN UROGENITAL VS RECTAL SPECIMENS IN MALE AND FEMALES PATIENTS ATTENDING A SEXUAL TRANSMITTED DISEASE CLINIC OR OUT-PATIENT DEPARTMENT OF OBSTETRICS AND GYNECOLOGY
C. J. Bax, K. D. Quint, R. P. H. Peters, S. Ouburg, P. M. Oostvogel, J. A. E. M. Mutsaers, P. J. Dörr, S. Schmidt, C. Jansen, A. P. van Leeuwen, J. B. Trimbos, S. A. Morré.
 Department of Obstetrics and Gynecology, MCH Westeinde Hospital, The Hague, NL; and Department of Obstetrics, Academic Medical Center, Amsterdam, NL
- B-21 *CHLAMYDIA TRACHOMATIS* AND RISK FOR CERVICAL NEOPLASIA - A META-ANALYSIS OF LONGITUDINAL STUDIES
 M. Lehtinen, E. Lyytikäinen, P. Koskela, H.-M. Surcel, **J. Paavonen**
 University of Helsinki, Finland
- A-22 *CHLAMYDIA TRACHOMATIS* REPORTED AMONG U.S. ACTIVE DUTY ARMY MEMBERS, 2000-2008
N. N. Jordan, S. Lee, J. C. Gaydos
 1Army Public Health Command (Provisional), Aberdeen Proving Ground, MD, USA;
 2Armed Forces Health Surveillance Center, Silver Spring, MD, USA
- B-22 CAN THE *CHLAMYDIA TRACHOMATIS* ANTIBODY BE USED TO MEASURE CHANGES IN CUMULATIVE AGE SPECIFIC EXPOSURE OVER TIME IN WOMEN?
 G. S. Wills, R. Reynolds, A. M. Johnson, D. A. Muir, D. W. Brown, A. Winston, A. J. Broadbent, D. Parker, M. O. McClure, **P. Horner**
 Department of Social Medicine, University of Bristol, UK
- A-23 ANTIBODY RESPONSE IN WOMEN INFECTED BY THE NEW SWEDISH VARIANT OR BY WILD TYPE GENITAL STRAINS OF *CHLAMYDIA TRACHOMATIS*; COMPARISON OF SERA OBTAINED IN 1982 AND 2007
K. Persson, C. Bjartling, S. Osler
 Department of Clinical Microbiology, Malmö University Hospital, Malmö, Sweden
- B-23 RATES OF *CHLAMYDIA TRACHOMATIS* IN CHILEAN ADOLESCENTS
A. Huneeus, M. Pumarino, A. Schilling, P. Robledo, M. Bofil
 Department of Gynecology and Obstetrics, Clinica Alemana, Santiago, Chile

- A-24 MOLECULAR AND SEROLOGICAL EVIDENCE OF THE ROLE OF *CHLAMYDIA TRACHOMATIS* IN MISCARRIAGE
G. Greub, D. Baud, G. Goy, K. Jatton, M.-C. Osterheld, S. Blumer, N. Borel, F. Damnon, Y. Vial, A. Pospischil
 Institute of Microbiology, University Hospital Centre and University of Lausanne, Lausanne, Switzerland
- B-24 PREVALENCE AND RISK FACTORS OF *CHLAMYDIA TRACHOMATIS* INFECTION IN YOUNG WOMEN ATTENDING FAMILY PLANNING CLINICS IN TURIN
M. A. Latino, G. Mortara, C. Rosso, D. De Maria, G. De Intinis, M. R. Giolito, C. Pasqualini, and the Family Planning Clinics Group of Turin, Italy
 SS of Bacteriology, O.I.R.M. – Sant'Anna Hospital, Turin, Italy
- A-25 *CHLAMYDIA TRACHOMATIS* INFECTION MARKERS IN SECONDARILY INFERTILE TUNISIAN WOMEN
 A. Znazen, N. Zribi, B. Ben Ayed, **O. Frikha- Gargouri**, R. Gdoura, M. Guermazi, A. Hammami
 Department of Microbiology and Research Laboratory "Microorganismes et Pathologie Humaine", Habib Bourguiba Hospital of Sfax, Tunisia
- B-25 ANTIMICROBIAL RESISTANCE IN *CHLAMYDIA TRACHOMATIS*, IS IT A REALITY?
S. Alexander, R. Pitt, P. Horner, C. Ison
 Health Protection Agency, Colindale, London, UK

CHLAMYDIA PNEUMONIAE TRIALS

- A-26 EXTENDED *CHLAMYDIA PNEUMONIAE* SEROLOGY WITH A MIF-CALIBRATED THRESHOLD VALUE
M. Böttcher, E. Straube, K.-P. Hunfeld, K.-H. Arndt, M. Maass
 medac GmbH, Wedel, Germany
- B-26 EVIDENCE FOR PERSISTENT *CHLAMYDIA PNEUMONIAE* INFECTION IN CORONARY ATHEROMA FROM PATIENTS UNDERGOING HEART TRANSPLANTATION
N. Borel, A. Pospischil, J. A. Ramirez, C. Dumrese, C. A. Gaydos, J. T. Summersgill
 Institute of Veterinary Pathology, Vetsuisse Faculty, University of Zurich, Zurich, Switzerland
- A-27 WHAT HAS HAPPENED TO RESPIRATORY INFECTION DUE TO *CHLAMYDIA PNEUMONIAE*?
M. R. Hammerschlag, S. A. Kohlhoff
 Departments of Pediatrics and Medicine, SUNY Downstate Medical Center, Brooklyn, NY, USA

- B-27 THE ROLE OF ADHESION MOLECULES IN *C. PNEUMONIAE* ACCELERATED FATTY STREAK DEVELOPMENT IN HYPERLIPIDEMIC C57BL/6J MICE
L. A. Campbell, S.-J. Jiang, J. Ricks, M.E. Rosenfeld, M.W. Berry, A.W. Lee and C.-C. Kuo
 Departments of Epidemiology and Pathology, University of Washington, Seattle, WA, USA
- A-28 IMMUNE RESPONSE TO *CHLAMYDIA PNEUMONIAE* IN ALLERGIC ASTHMATICS AND IN VITRO EFFECTS OF DOXYCYCLINE
S. A. Kohlhoff, M. Dzhinshikashvili, D. Weaver, T. Smith Norowitz, H. Durkin, R. Joks, M. R. Hammerschlag
 Department of Pediatrics, SUNY Downstate Medical Center, Brooklyn, NY, USA
- B-28 TOWARDS A MORE RELEVANT IN VITRO MODEL TO STUDY *CHLAMYDIA PNEUMONIAE* INFECTION - A POLARIZED EPITHELIAL CELL CULTURE?
M. Puolakkainen, L. Törmäkangas, E. Markkula
 Haartman Institute, Department of Virology, University of Helsinki; and HUSLAB, Department of Virology
- A-29 THE ASSOCIATION OF ELEVATED BODY MASS INDEX WITH *CHLAMYDIA PNEUMONIAE* IgG ANTIBODIES AND HIGH-SENSITIVE CRP IN NORTHERN FINLAND BIRTH COHORT
 T. Lajunen, **M. Leinonen**, A. Bloigu, A. Pouta, P. Saikku, M.-R. Järvelin
 Department of Medical Microbiology, Institute of Diagnostics and Biocenter Oulu at the University of Oulu; and National Institute for Health and Welfare (THL), Oulu, Finland
- B-29 THE PREVALENCE OF CHLAMYDIA-SPECIFIC IGE IN PHYSICIAN-DIAGNOSED ASTHMA
D. Hahn, A. Schure, K. Patel, W. Webley
 Department of Family Medicine, University of Wisconsin School of Medicine and Public Health, Madison, WI

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- A-30 ROLE OF GENE PRODUCTS OF *CHLAMYDIA TRACHOMATIS* CRYPTIC PLASMID IN THE PATHOGENESIS OF CHLAMYDIA-INDUCED INFERTILITY
J. Igietseme, K. Joseph, A. Campbell, Q. He, D. Turgeon, G. Ananaba, F. Eko, D. Lyn, D. Ellerson, C. Bandea, G. Zhong, C. Black
 Centers for Disease Control & Prevention and Morehouse School of Medicine, Atlanta, GA, USA

- B-30 *CHLAMYDIA TRACHOMATIS* UROGENITAL INFECTION IN MULTIPLE NON-HUMAN PRIMATE SPECIES FOR APPLICATION IN VACCINE DEVELOPMENT AS DEMONSTRATED BY *CHLAMYDIA* PROTEIN ARRAY EVALUATION
G. Zhong, J. A. Field, C. Lu, M. A. Wooters, L. Lei, J. H. Heinrichs, M. J. Caulfield, A. Espeseth, **J. G. Smith**
Department of Vaccine Basic Research, Merck Research Laboratories, West Point, PA
- A-31 A PROPOSED MOUSE MODEL TO STUDY MALE INFERTILITY PROVOKED BY GENITAL SEROVAR E, *CHLAMYDIA TRACHOMATIS*
H. Sellami, R. Gdoura, I. Mabrouk, O. Frikha-Gargouri, L. Keskes, Z. Mallek, M. Aouni, A. Hammami
Department of Microbiology and Research Laboratory "Microorganismes et Pathologie Humaine", Habib Bourguiba Hospital of Sfax, Tunisia
- B-31 DOMESTIC ANIMAL MODEL OF *CHLAMYDOPHILA PSITTACI* INFECTION
C. Ostermann, E. Liebler-Tenorio, J. Lambertz, A. Berndt, A. Vogel, E. Schubert, K. Sachse, **P. Reinhold**
Institute of Molecular Pathogenesis in the 'Friedrich-Loeffler-Institut' (Federal Research Institute for Animal Health), Jena, Germany
- A-32 ROLE OF MYD88 AND TOLL-LIKE RECEPTOR (TLR) 2 AND TLR4 IN THE SENSING OF *PARACHLAMYDIA ACANTHAMOEBAE*
A. Croxatto, T. Roger, N. Casson, D. Le Roy, J. M. Entenza, M. Knaup Reymond, T. Calandra, and G. Greub
Center for Research on Intracellular Bacteria, Institute of Microbiology, University of Lausanne, Lausanne, Switzerland
- B-32 A NOVEL *CHLAMYDIA*-LIKE BACTERIUM CLUSTERING CLOSE TO THE *CHLAMYDIACEAE* FOUND IN FECAL SPECIMENS FROM SEA BIRDS FROM THE COMMANDER ISLANDS IN THE BERING SEA
L. Christerson, M. Blomqvist, M. Thollesson, K. Laroucau, K. Grannas, J. Waldenström, B. Olsen, I. Eliasson, B. Herrmann
Department of Clinical Microbiology, Uppsala University Hospital, Sweden

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