International Group for Research in the Immunopathogenesis of Genital Infections

I. International Symposium on Immunopathogenesis of Chlamydia Infections
December 6-8, 1996
Cornell University Medical College
1300 York Avenue, New York, NY
USA

Scientific Program Committee
Steven S. Witkin, Ph.D, New York, New York, USA
Sandra Mazzoli, PhD, Florence, Italy
Myriam Askeinazy-Elbhar, PhD, Paris, France
Jeanne Orfila, PhD, Amiens, France

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Department of Obstetrics and Gynecology, Cornell University Medical College

Program

Received September 15, 1996
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SYMPOSIUM SCHEDULE

FRIDAY, DECEMBER 6, 1996

Opening reception and complementary buffet for participants and guests, Griffis Faculty Club, Cornell University Medical College, 1300 York Avenue, New York  6:00 -8:00 PM

SATURDAY, DECEMBER 7, 1996

9:00 - 9:10  Welcome  Steven Witkin
9:10 - 9:20  Greeting  William J. Ledger

SESSION I. WILLIAM J. LEDGER, CHAIRPERSON

9:20 - 9:50  Immune Responses to Intracellular Pathogens
Mario Clerici, Milan, Italy

9:50 - 10:20  Immunology of Non-trachomatis Chlamydial Infections
Jeanne Orfila, Amiens, France

10:20 - 10:50  Immunopathogenesis of Chlamydia pneumoniae Infections in Children
Margaret Hammerschlag, Brooklyn, New York, USA

10:50 - 11:00  Cytokine Profile of Chlamydia pneumoniae Infected U-937 Macrophages
C. A. Gaydos, D.G. Pham, L. Bobo, T.C. Quinn, Baltimore, Maryland, USA

11:00 - 11:10  Production of IL-4 and IL-6 in HEp 2 Cells Infected with Chlamydia pneumoniae
Patricia M. Roblin, A. Kutlin, M.R. Hammerschlag, Brooklyn, New York, USA

11:10 - 11:30  COFFEE BREAK

11:30 - 11:40  Chlamydia pneumoniae Induced Atherosclerosis in Rabbits
K. Laitinen, P. Saikku, Oulu, Finland

11:40 - 11:50  SeroCP -A Serological Assay for the Detection of Chlamydia pneumoniae IgG, IgA and IgM Antibodies
A. Groh, V. Frankkratova, M. Lipson, A. Ben-Michael, O. Horovitz, R. Moschkovitz, Jena, Germany

11:50 - 12:00  Protective Immunity Against Chlamydia psittaci Serotype 1 Strains
Carlos De Sa, J. Salinas, F. Bernard, A. Souriau, A. Rodolakis, Nouzilly, France

12:00 - 12:10  Repetitive Extragenic Palindromic Sequence Polymorphism Based Polymerase Chain Reaction (REP-PCR) is a Useful Tool in Diagnostics of Chlamydia psittaci Infection in Sheep
S.P. Martinov, E. Tcherneva, B. Jersek, Sofia, Bulgaria

12:10 - 12:20  Human Studies on the Association of Cellular Immune Factors in Trachoma with Infection and Diseases
L.D. Bobo, N.G. Novak, S. Vitale, H. Mkocha, Y.H. Hsieh, B. Munoz, S. West, T.C. Quinn, Baltimore, Maryland, USA

12:20 - 12:30  Scarring Trachoma is Associated with Polymorphism in the TNF-alpha Gene Promoter and with Elevated TNF-alpha in Tear Fluid

12:30 - 12:40  Characterization of the Local Immune Response to Chlamydia trachomatis among
Trachoma Patients with Conjuctival Scarring
Stephanie Phan, R. Pham, D. Dean, San Francisco, California, USA

12:40 - 2:40  LUNCH

SESSION II. GERRY BYRNE, CHAIRPERSON

2:40 - 3:10  Immune Responses in the Male Genital Tract
Steven Witkin, New York, New York, USA

3:10 - 3:40  Clinical Consequences of Immune Responses to Chlamydia in Men
Sandra Mazzoli, Florence, Italy

3:40 - 3:50  Antigen and Isotype Specificity of Human B Cell Responses in Immunopathogenesis of Genital Chlamydia trachomatis Infection,
S. Ghaem-Maghami, P.E. Hay, D.J.M. Lewis London, United Kingdom

3:50 - 4:00  The Relationship Between the 60kD Heat Shock Protein, Antisperm Antibodies and Undetected Chlamydia trachomatis Infection in Male Partners of Couples with Undiagnosed Infertility
M. Gladys Munoz, J. Jeremias, S.S. Witkin, Caracas, Venezuela

4:00 - 4:10  Chlamydia trachomatis Specific Immunoparameters and Cytokine Production in Semen from Males Affected by Prostatitis
F. Mecacci, A. Salvi, S. Mazzoli, Florence, Italy

4:10 - 4:40  Immune Responses to Chlamydia trachomatis and Pregnancy and In Vitro Fertilization Outcome
Myriam Askienazy-Elbhar, Paris, France

4:40 - 4:50  Detection of Chlamydia trachomatis DNA and Chlamydial Inclusions Using Non-radioactive in situ Hybridization and Apaap Staining of Placental Samples
Mesut Gencay, M. Puolakkainen, T. Wahlstrom, P. Ammala, L. Mannonen, A. Vaheeri, M. Koshiniemi, Helsinki, Finland

4:50 -5:00  Asymptomatic Chlamydia trachomatis Infection and Cervical Cytokines in Women Undergoing In Vitro Fertilization (IVF)

5:00 - 5:10  Prevalence of Chlamydia trachomatis Antibodies in Cord Blood
Slobodanka Djukic, M. Nedeljkovic, M. Pervulov, S. Vesic, A. Ljubic, B. Vranes, Belgrade, Yugoslavia

SUNDAY, DECEMBER 8, 1996

SESSION III. JORMA PAAVONEN, CHAIRPERSON

9:00 - 9:30  Persistent Chlamydial Infections
Gerry Byrne, Madison, Wisconsin, USA

9:30 - 9:40  Persistence of Chlamydia trachomatis and Chlamydial Antigens in HEP-2 Cells and THP-1 Cells after Treatment with Ciprofloxacin
U. Dreses-Werringloer, B. Jurgens, H. Zeidler, S. Ziesing, L. Kohler, Hannover, Germany

9:40 - 9:50  Prevalence and Viability of Chlamydia trachomatis in Infertile Women
H.C. Gerard, P.J. Branigan, S.S. Minassian, A.P. Hudson, Philadelphia, Pennsylvania, USA

9:50 - 10:00  Failure to Detect C. trachomatis by MOMP PCR, in Contrast to Cultures with...
Multiple Passages, In Situ Hybridization and Immunoperoxidase Staining, in Pelvic Samples of Women with Tubal Factor Infertility  

10:00 - 10:10  
Viability of Non-Cultivatable *Chlamydia trachomatis* Persisting in Human Peripheral Blood Monocytes and Human Monocytic THP-1 Cells  
L. Koehler, E. Nettelnbreker, A. Hudson, H. Gerard, C. Bonk, H. Zeidler, Hannover, Germany

10:10 - 10:40  
Heat Shock Proteins and Infection  
Steven Witkin, New York, New York, USA

10:40 - 11:10  
COFFEE BREAK

11:10 - 11:20  
Antibodies to Human 60kDa Heat Shock Protein (hsp60) in Sera of Women with Pelvic Inflammatory Disease Correlate with Immune Response to Conserved B-Cell Epitope of the *Chlamydia trachomatis* hsp60  
K. Bergstrom, S.S. Witkin, J. Paavonen, P-A Mardh, M. Domeika, Uppsal, Sweden

11:20 - 11:30  
Humoral Immunological Response to a Sequence of the 57kD Heat Shock Protein Common to Mouse and *Chlamydia trachomatis*, in Mice Inoculated with a *Chlamydia trachomatis* E Strain  
M.J. Borreg, V. Fuentes, E. Bissac, M.A. Catry, F. Eb, J. Orfila Lisboa, Portugal

11:30 - 11:40  
The Presence of Serum Antibody to the Chlamydial Heat Shock Protein (CHSP60)  
Paul Claman, L Honey, R Peeling, P Jessamine, B Toye, Ottawa, Canada

11:40 - 11:50  
Distribution of Heat Shock Proteins in First Trimester Human Decidua  
Andreas Neuer, P. Ruck, K. Marzsch, J. Diet, E. Kaiserling, H.P. Horny, S.S. Witkin, Tubingen, Germany

11:50 - 12:00  
Circulating IgG antibodies to *C. trachomatis* and the chlamydial, *E. coli* and human 60kD heat shock proteins in women  

12:00 - 12:10  
Serum Antibodies to a Conserved B-Cell Epitope of Chlamydia Heat Shock Protein 60 in Patients with Sexually Acquired Reactive Arthritis (SARA)  
J Domeika, SS Witkin, P-A Mardh, Marius Domeika, Uppsal, Sweden and New York, New York

12:10 - 2:00  
LUNCH

SESSION IV.  
ROSANNA PEELING, CHAIRPERSON

2:00 - 2:30  
Immune Consequences of *Chlamydia trachomatis* Infection in Animal Models  
Dorothy Patton, Seattle, Washington, USA

2:30 - 3:00  
Immune Protection against *Chlamydia trachomatis* in Females  
Richard Morrison, Birmingham, Alabama, USA

3:00 - 3:30  
Clinical Consequences of Immune Responses to *Chlamydia trachomatis* Upper Genital Tract Infections in Women  
Jeanine Henry-Suchet, Paris, France

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3:30 - 3:40  Functional Damage of the Fallopian Tubes and Immune Responses to Chlamydia trachomatis
   Istvan Sziller, S.S. Witkin, M. Ziegert, P. Fedorcsak, Z. Papp, Budapest, Hungary

3:40 - 3:50  Production of Interleukin 1 beta in Response to Chlamydial Infection in an in vitro Model of the Human Fallopian Tube
   Kevin Ault, O. Tawfik, M.M. Smith King, J. Gunter, Iowa City, Iowa, USA

3:50 - 4:00  SerCT™ - A New Peptide Based ELISA Test for Specific Detection of Chlamydia trachomatis Antibodies
   Bells Ohana, V. Prankratova, A. Groh, E. Straube, R. Brand, A. Blaicher, I. Mezamer-Tov, O. Horovitz, M. Lipson, Ashdod, Israel

4:00 - 4:10  Interest of Detection of Antibodies in CT Positive and CT Negative Patients with Genital Infection
   Jeanne Orfila, C. Chaigneau, J.M. Sueur, Amiens, France

4:10 - 4:20  Clinical Research of Chlamydia trachomatis Infection in Women's Genitals
   X.S. Wen, Y.J. Lin, G. Zhu  P.R. China

4:20 - 4:50  GENERAL DISCUSSION AND SUMMARY

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