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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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 <i>Chlamydia pneumoniae</i> Infections in Children Margaret Hammerschlag, Brooklyn, New York, USA
10:50 - 11:00	Cytokine Profile of <i>Chlamydia pneumoniae</i> 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 <i>Chlamydia pneumoniae</i> Patricia M. Roblin, A. Kutlin, M.R. Hammerschlag, Brooklyn, New York, USA
11:10 - 11:30	COFFEE BREAK
11:30 - 11:40	<i>Chlamydia pneumoniae</i> Induced Atherosclerosis in Rabbits K. Laitinen, P. Saikku, Oulu, Finland
11:40 - 11:50	SeroCP -A Serological Assay for the Detection of <i>Chlamydia pneumoniae</i> IgG, IgA and IgM Antibodies A. Groh, V. Prankratova, M. Lipson, A. Ben-Michael, O. Horovitz, R. Moschkovitz, Jena, Germany
11:50 - 12:00	Protective Immunity Against <i>Chlamydia psittaci</i> 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 <i>Chlamydia psittaci</i> 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 D.J. Conway, M.J. Holland, R.L. Bailey, A.E. Campbell, S. Mahdi, R. Jennings, E. Mbeni, David Mabey, London, United Kingdom
12:30 - 12:40	Characterization of the Local Immune Response to <i>Chlamydia trachomatis</i> among

Trachoma Patients with Conjunctival 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. Meacci, 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. Vaheri, M. Koshiniemi, Helsinki, Finland
- 4:50 - 5:00 Asymptomatic *Chlamydia trachomatis* Infection and Cervical Cytokines in Women Undergoing In Vitro Fertilization (IVF)
Myriam Askienazy-Elbhar, F. Olivennes, U. Lundqvist, R. Fanchin, A. Neuer, R. Frydman, S.S. Witkin, Paris, France
- 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
Jeanine Henry-Suchet, M. Askienazy-Elbhar, J. Orfila, M. Thomas, JF Lefebvre, E Eb, DL Patton, LA Campbell, Paris, France
- 10:00 - 10:10 Viability of Non-Cultivable *Chlamydia trachomatis* Persisting in Human Peripheral Blood Monocytes and Human Monocytic THP-1 Cells
 L. Koehler, E. Nettelbreker, 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, Uppsala, 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. Borrego, 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. Marzusch, 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
S.S. Witkin, M. Askienazy-Elbar, J. Henry-Suchet, J. Tort-Grumbach, K. Sarjdine, Paris, France and New York, NY
- 12:00 - 12:10 Serum Antibodies to a Conserved B-Cell Epitope of Chlamydial Heat Shock Protein 60 in Patients with Sexually Acquired Reactive Arthritis (SARA)
 J Domeika, SS Witkin, P-A Mardh, Marius Domeika, Uppsala, 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

- 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
Bella 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