

International Group for Research in the Immunopathogenesis of Genital Infections

III. International Symposium on
Heat Shock Proteins:
Expression, Immunity and Women's Health
April 10-11, 1999
Weill Medical College of Cornell University
1300 York Avenue at East 69th Street
New York, New York, USA

Scientific Program Committee

Steven S. Witkin, PhD, New York, New York, USA
Myriam Askienazy-Elbhar, PhD, Paris, France
William J. Ledger, MD, New York, New York, USA

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SYMPOSIUM SCHEDULE**SATURDAY, APRIL 10, 1999**

- 8:15–9:00 Registration Uris Auditorium
 9:00–9:10 Welcome Steven Witkin
 9:10–9:20 Greetings William J. Ledger

SESSION I. HEAT SHOCK PROTEIN EXPRESSION IN WOMEN
WILLIAM J. LEDGER, CHAIRPERSON

- 9:20–9:50 Heat Shock Protein Expression in Human Endometrium Throughout the Menstrual Cycle
 Siamak Tabibzadeh, Manhasset, New York, USA
- 9:50–10:20 Heat Shock Protein Expression During Gametogenesis and Embryogenesis
 Andreas Neuer, Dortmund, Germany
- 10:20–10:50 Induction of Heat Shock Protein Expression in Cervical Epithelial Cells by Human Semen
 Jan Jeremias, New York, New York, USA
- 10:50–11:20 *COFFEE BREAK*
- 11:20–11:35 Detection of Heat Shock Proteins and Heat Shock Protein Antibody Complexes in Placental Tissues Following Preterm or Term Birth and Intrauterine Growth Retardation
 Mathias Ziegert, Leipzig, Germany
- 11:35–11:50 Detection of the Human 70-kD And 60-kD Heat Shock Proteins in the Vagina: Relation to Microbial Flora, Vaginal pH, and Method of Contraception
 Paulo Giraldo, Campinas, Brazil
- 11:50–12:20 Heat Shock Proteins and Regulation of Cytokine Expression
 Stuart Calderwood, Boston, Massachusetts, USA
- 12:20–1:50 *LUNCH*

SESSION II. CONSEQUENCES OF AUTOIMMUNITY TO HEAT SHOCK PROTEINS
ZEV ROSENWAKS, CHAIRPERSON

- 1:50–2:20 Persistent “Silent” *Chlamydia trachomatis* Female Genital Tract Infections
 Myriam Askienazy-Elbhar, Paris, France
- 2:20–2:50 Immunity to Heat Shock Proteins and Pregnancy Outcome
 Steven Witkin, New York, New York, USA
- 2:50–3:05 Presence of Anti-HSP60 Antibodies in the Seminal Fluid of Male Partners of Infertile Couples and its Relationship With Antisperm Antibodies
 Gladys Munoz, Caracas, Venezuela
- 3:05–3:35 Immunity to Heat Shock Proteins and Neurological Disorders of Women
 Gary Birnbaum, Minneapolis, Minnesota, USA
- 3:35–4:05 Immunity to Heat Shock Proteins and Arthritic Disorders
 Willem van Eden, Utrecht, The Netherlands
- 4:05–4:35 Heat Shock Proteins and Protection Against Ischemic Injury
 Wolfgang Dillmann, La Jolla, California, USA
- 4:35–4:50 Does Immune Response to Heat Shock Proteins in Periodontal Disease Influence Atherogenesis?
 Ingrid Glurich, Buffalo, New York, USA
- 4:50–5:05 Detection Of *Chlamydia pneumoniae* Reactive T Lymphocytes in Human Atherosclerotic Plaques of Carotid Artery
 Jorma Paavonen, Helsinki, Finland

SUNDAY, APRIL 11, 1999

SESSION III. HEAT SHOCK PROTEIN EXPRESSION AND IMMUNITY
IN GENITAL TRACT INFECTIONS
JACK SOBEL, CHAIRPERSON

- 9:00–9:30 Surface-Associated Heat Shock Proteins of *Legionella pneumophila* and *Helicobacter pylori*: Roles in Pathogenesis and Immunity
Paul Hoffman, Halifax, Nova Scotia, Canada
- 9:30–9:45 Heat Shock Protein 60 Is Exposed on the Surface of *Chlamydia pneumoniae* Elementary Bodies
Kirsi Laitinen, Finland
- 9:45–10:00 Novel Pathways Underlying *Bordetella pertussis*-Induced Apoptosis In Human Monocytes: Role of ATP, Mitochondria and Heat Shock Protein 70
Maria Bachelet, Paris, France
- 10:00–10:30 Chlamydial Heat Shock Proteins and Disease Pathology: New Paradigms for Old Problems?
Gerald Byrne, Madison, Wisconsin, USA
- 10:30–11:00 Heat Shock Protein Expression and Immunity in Chlamydial Infections
David Mabey, London, United Kingdom
- 11:00–11:30 *COFFEE BREAK*
- 11:30–11:40 Effect of Antigen Source on the Measurement of IgG Antibody Responses to the 60kDa Chlamydia Heat Shock Protein
Rosanna Peeling, Winnipeg, Manitoba, Canada
- 11:40–11:50 Humoral Immunologic Response to *Chlamydia trachomatis* 57kDa Heat Shock Protein in Female Mice With Chronic Urogenital *Chlamydia trachomatis* Infection
Maria Borrego, Lisbon, Portugal
- 11:50–12:00 Humoral Immune Response to *Chlamydia trachomatis* 60kDa Heat Shock Protein in Russian Women With Ectopic Pregnancies and Spontaneous Abortions
JM Sueur, Amiens, France
- 12:00–12:10 Reproductive Prognosis After Ectopic Pregnancy: Does Serologic Response to the Chlamydia Heat Shock Protein 60 Play a Role?
Istvan Sziller, Budapest, Hungary
- 12:10–12:20 Patterns of Seroreactivity to *Chlamydia trachomatis* HSP10, HSP60 and MOMP Among Women With Tubal Factor Infertility, Women With Active Infections, or Healthy Uninfected Women
David LaVerda, Madison, Wisconsin, USA
- 12:20–12:30 Circulating Antibodies to *Chlamydia trachomatis* and the 10kDa and 60kDa Heat Shock Proteins in Women With Tubal Occlusion +/- Hydrosalpinx
Steven Spandorfer, New York, New York, USA
- 12:30–2:00 *LUNCH*

SESSION IV. THERAPEUTIC ASPECTS OF HEAT SHOCK PROTEINS
JAMES MCGREGOR, CHAIRPERSON

- 2:00–2:30 Heat Shock Protein-Based Therapeutic Strategies Against Human Immunodeficiency Virus Type I Infection
Bluma Brenner, Montreal, Quebec, Canada
- 2:30–3:00 Characterization of Mild Whole-Body Hyperthermia Protocols Using Human Breast, Ovarian, and Colon Tumors in Severe Combined Immunodeficient Mice
Elizabeth Repasky, Buffalo, New York, USA

- 3:00–3:30 Surgical Stress and the Heat Shock Response
George Perdizet, Hartford, Connecticut, USA
- 3:30–4:00 Heat Shock Proteins and Cancer Immunotherapy
Sreyashi Basu, Farmington, Connecticut, USA
- 4:00–4:10 Circulating Antibodies to Heat Shock Proteins in Sera of Women With Gynecological Cancers
Irina Korneeva, New York, New York, USA
- 4:10–4:20 Fever-Range Hyperthermia Stimulates Lymphocyte Adhesion to Intra-Tumoral Vessels in Models for Murine and Human Mammary Adenocarcinoma
Sharon Evans, Buffalo, New York, USA
- 4:20–4:30 Lipopolysaccharide-Mimetic, *Ips* Gene-Dependent Effects of Taxol Mediated by a Heat Shock Protein
Cynthia Byrd, New York, New York, USA
- 4:30–4:40 Selective Membrane-Associated and Cytosolic Expression of Heat Shock Protein 70 in Rat Leukemic Basophils
Maria Bachelet, Paris, France
- 4:40–4:50 Polymorphism in the Gene Coding for the Inducible 70kDa Heat Shock Protein HSP70 and Ovarian Cancer
Jan Jeremias, New York, New York, USA
- 4:50–5:00 Validity of Serum CA-125 as a Marker of Epithelial Ovarian Tumors Among Women With or Without Serum Antibodies to *Chlamydia trachomatis*
Jorma Paavonen, Helsinki, Finland



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