



Gene-Environment Interactions in Neurotoxicology
INA12 Jerusalem



INA-12
June 7-12, 2009 *Sunday-Friday*
Ma'ale Hachamisha, Israel

www.isas.co.il/ina-12

www.neurotoxicology.org/ina-12

Gene-Environment Interactions in Neurotoxicology

2nd Announcement
and Call for Abstracts

CME Accredited

Abstract
Deadline
extended:
May 20, 2009

*12th Biennial Meeting of the
International Neurotoxicology
Association*

Jerusalem

Dear Colleagues,

The 12th Meeting of the International Neurotoxicology Association (INA-12) will convene June 7-12, 2009 at the Ma'ale Hachamisha Kibbutz Hotel and Convention Center, in the scenic Judean Hills on the outskirts of Jerusalem. INA meetings provide a pleasant venue for international scientific networking in the field of neurotoxicology. INA meetings highlight state of the art findings in neurotoxicology and promote professional and friendly collaboration.

The intimate framework enables both senior and junior investigators to present their studies. INA-12 is expected to attract researchers at all levels from all parts of the world.

We look forward to your attending the INA-12 meeting which will offer an enjoyable scientific program and entertaining social and cultural events. Israel's unique atmosphere of a modern vibrant society living alongside the architecture, museums and sites of 3000 years of history since the time of King David, guarantees to provide you with an unforgettable experience.

See you in Jerusalem,

Yoram Finkelstein, MD, PhD, Chair

William K. Boyes, PhD, INA President

Overview

Scientific sessions including oral lectures, poster sessions, and nine symposia will be held according to details described below.

Two poster sessions will be scheduled, each 2.5 hours long, permitting ample time for informal discussion amongst all attendees.

On Tuesday night we will tour the Western Wall Tunnels.

On Wednesday we will drive towards the Dead Sea via the Judean Desert, and take the cable car up to Masada for a two hour tour. Time permitting, we will take a dip in the Dead Sea – a unique experience at the lowest point on earth (with salt content so high you cannot sink) and visit antiquities as well as flora and fauna in the area of Ein Gedi, the continental divide of Asia, Africa and Europe.

Jerusalem

Websites

www.isas.co.il/ina-12

www.neurotoxicology.org/ina-12

Please view periodically for updates.

Venue: Kibbutz Ma'ale Hachamisha

Hotel and Convention Center contains 230 hotel rooms and a new modern convention center for 400 participants, 10 km from Jerusalem, 50 km from Tel Aviv and 30 km from Ben-Gurion International Airport. Most rooms have a view of the surrounding Judean Mountains and both the rooms and conference facilities are air-conditioned. The hotel complex also includes a spa, swimming pool and various other amenities.

Language

The official language of the meeting is English.

Abstracts

Abstracts of approximately 300 words are invited in the format detailed on page 5.

Peer Reviewed Proceedings

To be published after the conference.

Exhibition

A commercial exhibition will be held within the framework of the Meeting. Exhibitors will be provided with an unprecedented opportunity to promote innovative products, pharmaceuticals, equipment and technologies to a discerning international professional audience. For further information contact the Secretariat at meetings@isas.co.il

Industrial sponsorship

Satellite symposia, sponsored lectures and working luncheons can be held during the Meeting. Requests for industrial sponsorships should be sent to meetings@isas.co.il

Letters of Invitation

Upon request, the Secretariat will send a personal invitation to participate in the Meeting. Such an invitation is only meant to help visitors raise travel funds or obtain a visa

and is not a commitment to provide financial support.

Registration and Accommodation Fee

Price includes entrance to scientific sessions, program and book of abstracts, five nights accommodations (June 7-12), five days of conference, all meals from Sunday evening through Friday breakfast, including welcome reception Sunday evening, Tuesday night Western Wall Tunnels tour, and gala banquet on Wednesday night. Fee includes full day tour with modern buses and multi-lingual guides to Dead Sea and Masada, including entrance fees and cable-car ride up/down, and lunch. On-line registration will be available until Wednesday, June 3, 2009. Thereafter please register at the registration desk at the conference venue.

We strongly advise all participants to register as soon as possible in order to secure hotel accommodation.

Accompanying Persons

Program includes five nights hotel accommodations (June 7-12), all meals as listed, and welcoming reception, a night tour to the Western Wall tunnels (June 9), a full day tour (Masada June 10) and gala banquet.

Local Scientific Organizers

1. Yoram Finkelstein, MD, PhD, Shaare Zedek Medical Center, Jerusalem and The Hebrew University of Jerusalem
2. Yona Amitai, MD, MPH, Jerusalem
3. Yedidia Bentur, MD, Israel Poison Information Center, Haifa
4. Eli Richter, MD, MPH, Occupational and Environmental Medicine, School of Public Health, The Hebrew University of Jerusalem
5. Uri Wormser, PhD, School of Pharmacy, The Hebrew University of Jerusalem

Payment

Payment should be made by one of the following methods:

- By check made payable to "INA-12"
- By credit card via the Meeting website
- By bank transfer to:

INA-12

Bank Leumi

Kiryat Hayovel Jerusalem Branch #915

Account #21972/53

IBAN: IL240109150000002197253

Bank charges are the responsibility of the participant and should be paid at source in addition to the registration and accommodation fees.

Please make sure the name of the meeting and of each participant are indicated on the bank transfer and that fully completed registration forms are submitted together with a copy of the bank transfer.

Cancellation Policy

All cancellations must be received via fax, email or post. Cancellations received:

before March 1- will be reimbursed a full refund less \$60 bank and processing charge

before April 26 - 80% refund

before May 31 - 50% refund

after May 31 - 25% refund

Refunds will be processed one month after the conference.

Transportation

Jerusalem is a one hour car ride from Tel Aviv, two hours from Haifa or Tiberias and three hours from the Golan Heights. Jerusalem is 40 minutes from Ben Gurion International Airport, and a 15 minute drive to the conference venue in Ma'ale Hachamisha. Taxi service from the conference venue to Jerusalem costs about \$20 and must be ordered from the hotel concierge. Most taxis seat 4 passengers.

Visas

All visitors to Israel are required to have a valid passport, and for some countries, a visa is required. For more information please contact your nearest embassy, consulate or local travel agency well in advance. It is the responsibility of the participant to obtain a visa if required.

Currency / Exchange

Israel's currency is the New Israeli Shekel (NIS). International major credit cards are accepted in most hotels, restaurants and shops. Exchange offices and ATM machines are easily available throughout the city and at the Ben Gurion International Airport. The exchange rate as of February 2009, was 4 NIS = \$1.

Climate

The weather in June is temperate, dry with clear skies, approximately 18°C- 26°C. There is little chance of rain in June.

Clothing

Clothing is informal for all occasions. A sweater or jacket is also recommended, as the meeting rooms may be cool.

Important Notes

ISAS International Seminars and their agents, shall not be responsible for and shall be exempt from all liability in respect of any loss, damage, injury, accident, delay or inconvenience to any person, or his/her luggage or any other property for any reason whatsoever, for any tourist services provided. Personal travel and health insurance is recommended. Official check-in time for hotels is 14:00 and check-out is 10:30.

PCO and Secretariat

ISAS International Seminars
POB 574, Jerusalem, Israel 91004
meetings@isas.co.il
Tel: +972-2-6520574
Fax: +972-2-6520558
www.isas.co.il/ina-12

Abstract Submission Requirements

Participants are requested to submit abstracts for poster or oral presentations. The INA Scientific Committee will select a small number of oral presentations from the abstracts submitted. There is no charge for submitting an abstract. First (submitting) Authors do not need to be a member of INA. However, an INA member must either be a co-author on the abstract or serve as a sponsor of the abstract.

Abstracts are invited on the following topics:

- Neurotoxicology
- Environmental and Occupational Toxicogenomics
- Neurological Disorders
- Developmental Neurotoxicology
- Nervous System
- Heavy Metals
- Pesticides
- Solvents

Abstract Submission Policies

An individual may be First Author (Presenting Author) on only one abstract. The Presenting Author's name must be first on the abstract. There is no limit to the number of times an individual may appear as co-author or sponsor on abstracts.

All First Authors must register, pay full registration fees no later than May 15 and attend the meeting. There is a reduced registration fee for INA members and early registrants (see INA Home Page at <http://www.neurotoxicology.org>) or conference homepage www.isas.co.il/ina-12

By submitting an abstract the First Author acknowledges and certifies for all authors that any human or animal research reported was conducted in compliance with IRB and/or IACUC approval as well as in accord with NIH Policies and/or the Declaration of Helsinki.

Commercial Relationships Disclosure

First Authors and co-authors are required to disclose any commercial relationships relevant to the content of the abstract. This should be placed at the end of the abstract and put on the poster or in the slide presentation.

Submitting the Abstract

Only on-line abstract submissions will be accepted via www.isas.co.il/ina-12/abstract.php. The abstracts must use the following format in order to be reviewed. Use 8.5" x 11" sized paper (Letter), 1.5" top and bottom margins, 1.5" left and right margins, and 12 point Arial font. No images or tables are allowed in the abstract. The title should be bolded in ALL capital letters. All authors' complete names and affiliations should be listed below the title. The sponsor's name should be noted in parentheses after the authors' names.

The First Author, who will be contacted if there is any abstract-related correspondence, must provide their email address below the affiliations.

The body of the abstract should contain the following headings: Purpose, Methods, Results and Conclusions in bolded letters.

Please see abstract template on www.isas.co.il/ina-12/abstract.php

Abstract submissions will be accepted until April 19, 2009 at 5:00 PM EST.

Student first authors should list "student" after their name to allow their abstracts to be eligible for the student symposium.

Confirmation and Reviewing of Complete Abstract

The First Authors of properly completed abstracts will be notified by e-mail to confirm their abstract submission.

All properly completed abstracts will be reviewed by the INA Scientific Program Committee under strict confidentiality. First Authors will be notified by May 5, 2009 whether their abstract was accepted and for what format (Poster and/or Oral Communication). Accepted abstracts will be printed in the Abstract Book.



This congress has been reviewed and approved for CME by the European Federation of Neurological Societies

Hooisma Lecture

Prof. Hermona Soreq, Dean, Faculty of Science,
Hebrew University of Jerusalem
**Gene-Environment Interactions in the
Mammalian Cholinergic System: Implications
for Health and Disease**

Symposium 1 Gene-Environment Interactions in Determining Resistance or Susceptibility to Neurodegeneration: What can be Learned from Mammals and Non-Mammals?

Chair: Michael Aschner

Michael Aschner, PhD, Professor, Vanderbilt
University Medical School
**C. elegans in Toxicology: High Throughput
Testing**

Ed Levin, PhD, Professor, Duke University
**Developing Zebrafish Methods to Learn How
Neurotoxic Events Impact Behavioral Function**

Moussa B.H. Youdim Ph.D, Professor Seoul
Yonsei University, Hong Kong PolU and Hong
Kong Universities, Professor Emeritus, Technion
**Multimodal Neuroprotective and
Neurorestorative Drugs as Therapeutic
Approach to Neurotoxicity in Parkinson's and
Alzheimer's Diseases**

Symposium 2 Gene-Chemical Interactions: Proliferation, Neurogenesis and Differentiation

Chair: Donald Fox

Donald Fox, PhD, Professor, University of
Houston
**Gestational Lead Exposure Increases Cell
Proliferation and Neurogenesis in the
Developing Retina by Altering bHLH Proneural
Genes and Other Factors**

Lisa Opanashuk, PhD, Associate Professor,
University of Rochester
**Activation of the Ah Receptor by Dioxin
Impacts Proliferation and Differentiation of
Neural Precursor Cells**

Alexander Zharkovsky, PhD, Professor,
University of Tartu
**Postnatal Lead Exposure Reduces
Neurogenesis and Increases the Number
of Polysialic Acid-Linked Neural Adhesion
Molecules in the Dentate Gyrus of Adult Rat
Hippocampus**

Bernie Weiss, PhD, Professor, University of
Rochester
**The Combination of Age, Gender, and
Environmental Endocrine Disruptors Presents a
Tangled Puzzle for the Process of Neurogenesis**

Symposium 3 Novel Signaling in the Expression of Neurotoxicity

Chairs: Anumantha Kanthasamy, Stephen Bondy

Anumantha Kanthasamy, Iowa State University
**Interaction of Alpha-synuclein with Protein
Kinase C Signaling in Experimental Models of
Parkinson's Disease**

Tomas Guilarte, PhD, Professor, Johns Hopkins
University
**APLP1 Signaling, Alzheimer's Pathology and
Alpha-synuclein Aggregation in the Frontal
Cortex of Manganese-exposed Non-human
Primates**

Stephen Bondy, PhD, Professor, University of
California, Irvine
**Aluminum and Gene Expression during Brain
Aging**

Joseph Yanai, Ph.D, Professor, Hebrew
University of Jerusalem
**Mechanisms of Neurobehavioral
Teratogenicity: Reversal with Neural
Progenitors and Other Therapies**

Symposium 4 Endocannabinoid Signaling in Neurotoxicity & Neuroprotection

Chairs: Carey Pope

R. Mechoulam, PhD, Professor, Hebrew University of Jerusalem
Endocannabinoids as Neuroprotective Agents

Larry Parsons, PhD, Professor, The Scripps Research Institute
Differential Role of Endocannabinoid Signaling in Drug Abuse

Carey Pope, PhD, Professor, Oklahoma State University
Endocannabinoid Signaling and Anticholinesterase Toxicity

Symposium 5 Student Symposium

Symposium 6 Strategies for In Vitro Neurotoxicity and Developmental Neurotoxicity Testing (DNT): Contribution of International Integrated Research Projects

Chairs: Anna Price, Lenas Petros

Thomas Hartung, CAAT, USA
Developmental Neurotoxicity – A Test Case for the Toxicology in the 21st Century?

Anna Price, PhD, EC JRC-ECVAM, Italy
Gene Expression as a Marker to Detect Developmental Neurotoxicity Using Primary Neuronal Culture of Rat Cerebellar Granule Cells (ECVAM Project)

Leonora Buzanska, Medical Research Institute, Polish Academy of Sciences
Human Neural Stem Cell Line as an Alternative Model for In Vitro Developmental Neurotoxicity Testing

Cristina Suñol, PhD, Professor, Instituto de Investigaciones Biomédicas de Barcelona, Spain
Way Forward for Using In Vitro Neurotoxicity Models in Testing Strategy: Update on FP6 Integrated Project "Acute Tox"

Lenas Petros, PhD, Professor, University of Madrid
In Vitro Neural Tissue for Replacement of Transgenic Animals with Memory/Learning Deficiencies

Symposium 7: Peaceful Use of Disastrous Neurotoxicants

Chair: Yoram Finkelstein, Uri Wormser

Yoram Finkelstein, MD, PhD, Shaare Zedek Medical Center
Are the Neurotoxic Effects of Low-Level Long-Term Exposure to Organophosphates Permanent?

Dejan Milatovic, PhD, Assistant Professor, Vanderbilt University Medical School
Suppression of Oxidative Injury and Neurodegeneration in Cholinergic Neurotoxicity

Ajay Rana, PhD, Professor, Stritch School of Medicine, Loyola University
Mixed-Linkage Kinase-3 Signaling: Relevance to Neuroinflammatory Processes in Neurotoxic Cell Death

Philip Lazarovici, PhD, Professor, Hebrew University of Jerusalem
Snake Venom Angioneurins: Toxic or Therapeutic Growth Factors

Uri Wormser, PhD, Associate Professor, Hebrew University of Jerusalem
From Mustard Gas Antidote to Potential Oral Treatment of Multiple Sclerosis and Other Autoimmune Diseases

Symposium 8 Of Exposure and Susceptibility: How Important are Both?

Chairs: Elihu D. Richter, Philippe Grandjean

James Krikun, PhD, Professor, Coalition for Public Health
Environmental Exposure to Neurotoxic Chemicals from Industrial Pollution

Elihu D. Richter, MD, Professor, Hebrew University – Hadassah School of Medicine
Exposure and Susceptibility: Schizophrenia in a Young Man Following Prolonged High Exposures to Organic Solvents

Philippe Grandjean, PhD, Professor, Environmental and Occupational Medicine, University of Odense and Harvard University
Role of Pesticide Exposure in Pandemic of Developmental Neurotoxicity

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Symposium 9 Gene-Environment Interactions in Parkinson's Disease

Chair: Carlos Singer

Jeffrey Vance, PhD, Professor, Director, Institute Human Genomics, University of Miami
Overview of Human Models of Susceptibility Genes and Potential Interaction with Environmental Risk and Neuroprotective Factors

Donato DiMonte, PhD, Professor, Director of Basic Research, Parkinson's Institute and Clinical Center
Toxicant - Induced α Synuclein Modifications as a Model of Gene - Environment Interactions in Parkinson's Disease

Syed Ali, PhD, Head, Neurochemistry Laboratory, FDA National Center for Toxicological Research
Alterations in the Mitochondrial Membrane Proteome and Oxidative Stress Neuronal Damage in MPTP-induced Parkinson's Disease

Walter Bradley, MD, Professor, University of Miami
Role of a Ubiquitous Neurotoxic Non-Natural Amino Acid, BMAA, and Cyanobacteria as an Environmental Toxin Causing ALS, Alzheimer's Disease and Parkinson's Disease

Tour #1A - Sunday, June 7

Jerusalem - New and Old City - Depart 08:00

Depart hotel, hear story of 1948 Palmach fighters' battles to save Jerusalem. Pass by the churches of Ein Kerem and the Yad Vashem Memorial to the six million Holocaust victims. Pass Mt. Herzl and the Knesset and Israel's new Supreme Court building. After lunch (not included) visit the Old City of Jerusalem and tour on foot Mt. Zion, King David's Tomb, the Room of the Last-Supper, Dormition Church, Zion Gate, and three Old City Quarters - Armenian, Jewish and Christian. Visit the Cardo - the reconstructed main street of Byzantine Jerusalem from the 6th century - the Western Wall, Via Dolorosa, Church of the Tomb, exit the Old City to the bus and return to hotel.

Price: \$70

Tour #1B - Friday, June 12

Jerusalem - New City Depart 12:00

Depart hotel, hear story of 1948 Palmach fighters' battles to save Jerusalem. Visit and tour Yad Vashem Memorial to the six million Holocaust victims. Pass by the churches of Ein Kerem, and return via Mt. Herzl, the Knesset and Israel's new Supreme Court building.

Price: \$39

* All itineraries are subject to change and require a minimum of 15 participants per tour.

* For additional tours and extensions please contact the Secretariat.

* Pickup from lobby at conference hotels.

Tour #2 - Two Day Overnight Tour, June 14-15

Day 1 Sunday, June 14 Depart 08:00

Caesarea, Haifa & Acre

Depart Jerusalem via Tel Aviv, Israel's first modern city built on sand dunes. Pass Netanya on the coastal road to King Herod's ancient Roman port city of Caesarea, a UNESCO World Heritage site. Tour the ancient port, Hippodrome and Crusader buildings and experience the new museum and film that take you back 2000 years. Pass Zichron Yaakov and hear about the vineyards and city that Baron Rothschild built nearly 100 years ago. Tour Haifa, pass the Carmel Mountains, Stella Maris and Bahai Gardens and exit Haifa north towards Acre. Break for lunch (not included). Visit UNESCO World Heritage site of the Crusader underground city-Acre. Tour ancient port, the marketplace and, time permitting, the citadel prison where the British jailed Israel's pre-state fighters. Over-night in the Galilee. (Supper included)

Day 2 Monday, June 15 Depart 08:00

Galilee and Jordan Valley

Highlights: Visit Church of the Beatitudes, the ruins at Capernaum, Tabgha and the Church of the Multiplication of the Loaves and the Fishes, Tiberias and the Jordan River (Yardenit). Tour Scitopolis Bet Shaan-Roman amphitheatre. Return to Jerusalem via Jordan Valley. Lunch not included.

Price: \$255

Single Supplement: \$50

To register online see: www.isas.co.il/INA-12

Please type or print in block letters and return to Secretariat:

INA-12, POB 574, Jerusalem 91004, Israel

Tel: +972-2-6520574 Fax: +972-2-6520558 email: register@isas.co.il

Family Name First Name

Place of Work

Full Mailing Address Home Work

.....

.....

City State

Country Postal Code

Phone Fax

email

Accommodation Form

Hotel Extensions (includes breakfast and 15% room service charge)

| | Single room (1 person) | Double room (2 people) |
|-------------------------|-----------------------------------|-----------------------------------|
| Ma'ale Hachamisha | \$125 per night | \$140 room per night |
| Ganei Moriah, Jerusalem | \$145 | \$159 |

Please reserve pre-post conference accommodations at:

Ma'ale Hachamisha

single room double room

Check in (date) Check out Total number of nights.....

Ganei Moriah Hotel

single room double room

Check in (date) Check out Total number of nights.....

I will share my room (if double occupancy) with*

* It is the sole responsibility of the participant to find a roommate. In the absence of a roommate, single occupancy price will be charged.

Total outlay per participant (excluding air-flights, taxi connections to and from airport, and other sundries)
 Registration and Accommodation Fee (includes 15% room service charge):

| | Before April 5 | Until April 26 | After April 26 | Before April 5 | Until April 26 | After April 26 |
|--------------------------|---|-------------------|-------------------|---------------------------------|-------------------|-------------------|
| Registration fees | Per person in double occupancy (June 7-12) | | | Single occupancy (June 7-12) | | |
| INA-Members | \$749 | \$819 | \$885 | \$ 999 | \$1089 | \$1179 |
| Non-INA Members | \$800 | \$870 | \$945 | \$1050 | \$1140 | \$1230 |
| Students | \$630 | \$680 | \$755 | \$ 809 | \$ 860 | \$ 940 |
| Accompanying person | \$660 | \$710 | \$750 | | | |
| Hotel extensions | \$ | \$ | \$ | \$ | \$ | \$ |
| Tour 1A seat(s) | \$ | \$ | \$ | \$ | \$ | \$ |
| Tour 1B seat(s) | \$ | \$ | \$ | \$ | \$ | \$ |
| Tour 2 seat(s) | \$ | \$ | \$ | \$ | \$ | \$ |
| Total | \$ | \$ | \$ | \$ | \$ | \$ |

Accompanying person's name:

Our block reservation of unallocated hotel rooms will be returned to the hotel after April 26
 On-site registration will be charged an additional \$100.

Payment Instructions

- Enclosed is check payable to INA-12
- Charge my credit card: VISA DINERS M/C AMEX

Number Expiration

3-4 Digit Security Code (on back of credit card)

- Bank transfer to:
 Bank Leumi
 Branch: #915
 1 Uruguay St., Kiriya Hayovel, Jerusalem 96701
 Account #21972/53
 IBAN: IL24010915000002197253

Please email/fax a copy of the bank transfer instructions to the secretariat.

Name Signature Date

