Dear ESPE member,

RE: Call for ESS Student applications

This is our annual call for ESPE members to have their younger colleagues apply for ESS, including the NICHe Conference, which will be on “Stress Response and Child Health” in May 16-20, 2012 in Heraklio, Crete, Greece.

Applicants for ESS can be postdoctoral fellows, last year PhD students or young research faculty in Pediatric Endocrinology within 5 years of their fellowship or PhD.

The program (attached) is based on core lectures (marked by C), research concepts (R) and new technologies (N), as well as projects’ presentation and discussion by the students, and practical exercise in reviewing an article.

ESS will cover travel and participation costs.

Applications should include a letter of application, CV and a letter by the direct supervisor, and should be submitted to the Conference Organizer, Mr. Kavadias, by email only [KKavadias@era.gr] until January 10th, 2012. Decisions will be announced by January 31st, 2012.

On behalf of the Organizing Committee

George P. Chrousos, MD, MACP, MACE, FRCP (London)
ESPE Science School Coordinator

Organizing Committee
George P. Chrousos
Evangelia Charmandari
Wiley Vale
Jean-Claude Carel
John Achermann
Olle Söder

Conference Organizer
Mr. Kostas Kavadias
ERA Ltd

e-mail: info@era.gr
ESPE Science School (ESS)
May 16-20, 2012 - Heraklio, Crete, Greece

Scientific Program
C - Core lectures, R - Research concepts, N - New technologies

**Wednesday, May 16**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Location</th>
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<tbody>
<tr>
<td>08.45-09.00</td>
<td>Opening</td>
<td>George P. Chrousos</td>
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<tr>
<td>09.00-09.45</td>
<td>R Linking the CNS</td>
<td>George Chrousos (Athens, Greece)</td>
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<td>to the endocrine</td>
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<td>system</td>
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<tr>
<td>09.45-10.30</td>
<td>R Evolutionary</td>
<td>Ze’ev Hochberg (Haifa, Israel)</td>
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<td>Medicine</td>
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<td>10.30-11.00</td>
<td>Break</td>
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<tr>
<td>11.00-11.45</td>
<td>C Epidemiology</td>
<td>Jean-Claude Carel (Paris, France)</td>
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<tr>
<td>11.45-12.30</td>
<td>R New insights</td>
<td>John Achermann (London, UK)</td>
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<tr>
<td></td>
<td>into steroidogenesis</td>
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<tr>
<td>12.30-14.00</td>
<td>Lunch</td>
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<tr>
<td>14.00-14.45</td>
<td>N A genome wide</td>
<td>John Cidlowski (NC, USA)</td>
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<td>approach to studying nuclear receptor actions</td>
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<tr>
<td>14.45-15.30</td>
<td>N Dissecting the molecular basis of 17,20-lyase deficiency</td>
<td>Walter Miller (San Francisco, CA, USA)</td>
</tr>
</tbody>
</table>

**Organizing Committee**
George P. Chrousos  
Evangelia Charmandari  
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Jean-Claude Carel  
John Achermann  
Olle Söder

**Conference Organizer**
Mr. Kostas Kavadias  
ERA Ltd  
e-mail: info@era.gr
15.30-16.00 Break

16.00-16.45 Projects discussion, students in groups

16.45-17.30 R Endocrine disruptors, Olle Soder (Stockholm, Sweden)

17.30-18.00 Break

18.00-18.45 Projects discussion, students in groups

18.45-19.30 C Designing a clinical trial

Anita Hokken-Koelega (Amersfoort, The Netherlands)

19.30 Dinner

**Thursday, May 17**

09.00-09.45 C Designing a basic science research project

Andreas Margioris (Heraklio, Greece)

09.45-10.30 Reviewing an article, students in groups

10.30-11.00 Break

11.00-11.45 N Strategies to detect a new gene and prove its importance

Mehul Dattani (London, UK)

11.45-12.30 C Career development, Olle Soder (Stockholm, Sweden)

12.30-14.00 Lunch

14.00-14.45 R Cross-talk between neurosteroids and neurotrophins in brain development and aging, Achilleas Gravanis (Heraklio, Greece)

14.45-15.30 N Assessing neurosteroid function *in vivo* and *in vitro*

Synthia Mellon (San Francisco, CA, USA)

15.30-16.15 N How to develop a new hormone, Wiley Vale (La Jolla, CA, USA)

16.15-16.45 Break

**Organizing Committee**

George P. Chrousos
Evangelia Charmandari
Wiley Vale
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Mr. Kostas Kavadias
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<th>Topic</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>16.45</td>
<td>R</td>
<td>Recent advances in glucocorticoid receptor research</td>
<td>Tomoshige Kino (Bethesda, MD, USA)</td>
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<tr>
<td>17.30</td>
<td>C</td>
<td>How to write and appraise a scientific paper</td>
<td>Nancy Gough (Washington DC, USA)</td>
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<tr>
<td>18.15</td>
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<td>Course summary, George Chrousos</td>
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<tr>
<td>19.30</td>
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<td>Dinner</td>
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**Friday - Sunday, May 18-20**

**NICHe Conference: Stress Response and Child Health**

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George P. Chrousos  
Evangelia Charmandari  
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**Conference Organizer**

Mr. Kostas Kavadias  
ERA Ltd  
e-mail: info@era.gr
NICHe Conference
‘Stress Response and Child Health’

Friday, May 18

SESSION 1: INTRODUCTION

08.45-09.00 Opening, George P. Chrousos

09.00-10.00 Concepts of stress and neuroendocrinology of the stress response
George P. Chrousos (Athens, Greece)

10.00-11.00 Stress-system disorders: Overview of behavioral homeostasis
Gold PW (Bethesda, MD, USA)

11.00-11.30 Break

11.30-12.30 Evolutionary perspective in the stress response
Ze’ev Hochberg (Haifa, Israel)

12.30-14.00 Lunch

SESSION 2: ENDOCRINOLOGY OF THE STRESS RESPONSE

14.00-15.00 The CRF family of peptides and their role in stress responsiveness and behavior
Wylie W. Vale (La Jolla, CA, USA)
15.00-16.00    Glucocorticoid receptor isoforms and the networks of glucocorticoid actions  
              John Cidlowski (NC, USA)

16.00-16.30    Break

16.30-17.30    Alterations in the circadian rhythm of glucocorticoid secretion: Potential clinical implications  
              Tomoshige Kino (Bethesda, MD, USA)

17.30-18.30    Alterations in the ultradian glucocorticoid secretion: Implications for GR-mediated gene transcription  
              Gordon Hager (Bethesda, MD, USA)

19.30    Dinner

Saturday, May 19

09.00-10.00    P450 oxidoreductase deficiency: A new disorder of steroidogenesis with multiple clinical manifestations  
              Walter Miller (San Francisco, CA, USA)

10.00-11.00    Allopregnanolone: Neurosteroids as regulators of stress  
              Synthia Mellon (San Francisco, CA, USA)

11.00-11.30    Break

SESSION 3: EFFECTS OF CHRONIC HYPERACTIVATION OR HYPOACTIVATION OF THE STRESS SYSTEM

11.30-12.30    The effects of acute and chronic stress on growth  
              Lars Sävendahl (Stockholm, Sweden)

12.30-14.00    Lunch
14.00-15.00 The effects of acute and chronic stress on puberty/reproduction
Jean Claude Carel (Paris, France)

15.00-16.00 Stress and cognition
Seckl JR (Edinburgh, UK)

16.00-16.30 Break

16.30-17.30 Long-term effects of social status and psychological stress on health and longevity
M.G. Marmot (London, UK)

17.30-18.30 The effects of acute and chronic stress on diabetic control
Franco Chiarelli (Chieti, Italy)

19.30 Dinner

Sunday, May 20

09.00-10.00 Stress and Sleep
Alexandros Vgontzas (Hershey, PA, USA)

10.00-11.00 Primary Generalized Glucocorticoid Resistance and Hypersensitivity States: The End-organ Involvement in the Stress Response
Evangelia Charmandari (Athens, Greece)

11.00-11.30 Break

11.30-12.30 Effects of intrauterine stress exposure on long-term human health and disease risk outcomes: focus on metabolism, HPA function, immunity, cognition and cellular aging
Pathic Wadhwa (Irvine, CA, USA)

12.30-13.00 Concluding Remarks - George Chrousos

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Wiley Vale
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Conference Organizer
Mr. Kostas Kavadias
ERA Ltd
e-mail: info@era.gr
# APPLICATION FOR REGISTRATION

Please type or use block letters and return this form to the Meeting Secretariat:

ERA Ltd., 17, Asklipiou Str. 106 80, Athens - Greece, Tel.: +30 210 3634 944, Fax: +30 210 3631 690, E-mail: info@era.gr  Web Site: www.era.gr

<table>
<thead>
<tr>
<th>PERSONAL INFORMATION</th>
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<tbody>
<tr>
<td><strong>Family name:</strong> ................................................................. <strong>First name(s):</strong> ................................................................. <strong>Title:</strong> <strong>Prof.</strong> <strong>Dr.</strong> <strong>Mr.</strong> <strong>Ms.</strong> <strong>Date of birth:</strong> ................................................................. <strong>Contact Address / University:</strong> ................................................................. <strong>Hospital:</strong> ................................................................. <strong>Department:</strong> ................................................................. <strong>City:</strong> ................................................................. <strong>Zip code:</strong> ................................................................. <strong>Country:</strong> ................................................................. <strong>Tel:</strong> ................................................................. <strong>Mobile Tel. Number:</strong> ................................................................. <strong>Fax:</strong> ................................................................. <strong>E-mail:</strong> ................................................................. <strong>Qualifications:</strong> ................................................................. <strong>Current post:</strong> ................................................................. <strong>Higher degrees and details:</strong> ................................................................. <strong>Clinical /Basic science training:</strong> .................................................................</td>
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5 most important papers:
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2. ……………………………………………………………………………………………………………………………………………………………………………
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* Please fill in legibly to avoid time consuming correspondence. **All correspondence will be made via e-mail.**

I do / I do not allow giving my address details to third parties.

In case your application is approved ESS will cover travel and participation costs therefore please fill the below boxes.

**TRAVEL INFORMATION**

<table>
<thead>
<tr>
<th>Departure date/time</th>
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<tr>
<td>Return date/time</td>
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<tr>
<td>Airport you wish to depart from</td>
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<td>Airline company you prefer</td>
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<td>2nd choice:</td>
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</tbody>
</table>

Your air ticket will be issued by ERA LTD and will be sent to you by courier or electronically, up to May 1st, 2012

**ACCOMMODATION INFORMATION**

- Double room **FOR SINGLE USE**

Check in date: _______________________

Check out date: _______________________

Notes: _______________________________

Applications are to include this **letter of application, a CV and a letter by the direct supervisor**, and be submitted to the meeting secretariat by email only, at **info@era.gr** by January 10th, 2012. Decisions will be announced by January 31st, 2012.

**Signature** _______________________

**Date:** __________/__________/_________
December 1, 2011

Dear Colleagues and friends ESPE members,

It is a pleasure to invite you to participate in the 2012 New Inroads to Child Health (NICHe) Conference (http://www.eurospe.org/meetings/NiCHE.html) on May 18-20, 2012, in Crete, on the topic STRESS RESPONSE AND CHILD HEALTH.

This is the fifth in ESPE series of high-profile conferences devoted to future research directions in child health. The series is based on our conviction that it is the responsibility of those of us involved in today’s biomedical research enterprise to translate the remarkable scientific innovations we are witnessing into health gains for children.

The Scientific Committee is pleased to invite those interested to register with the Conference Organizer Mr. Kostas Kavadias [kkavadias@era.gr] before January 10th, 2012. Twenty five slots are available for ESPE members on a first-come, first-served basis.

For participants the conference will cover the cost of scientific sessions, registration, accommodation and provision of meals. Travel expenses are not covered by the conference organization.

We look forward to see you in Crete.

On behalf of the scientific committee

George P. Chrousos, MD, MACP, MACE, FRCP (London)
Professor and Chairman, First Department of Pediatrics
University of Athens Medical School
Athens 115 27, Greece

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