

CURRICULUM VITAE

Evangelia Charmandari

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LIST OF CONTENTS

1. PERSONAL DETAILS	3
2. BRIEF BIOGRAPHY	4
3. QUALIFICATIONS	5
4. EDUCATION	.....	.....	.....	.....	.....	.....	.....	.....	6
5. ADVANCED COURSES	.....	.....	.....	.....	.....	.....	.....	.....	6
6. AWARDS-PRIZES-SCHOLARSHIPS	.....	.....	.....	.....	.....	.....	.....	.....	7
7. PRESENT POSITION	.....	.....	.....	.....	.....	.....	.....	.....	7
8. PROFESSIONAL EXPERIENCE (IN BRIEF)	.....	.....	.....	.....	.....	.....	.....	.....	8
9. DETAILED PROFESSIONAL EXPERIENCE	.....	.....	.....	.....	.....	.....	.....	.....	10
10. PUBLICATIONS	.....	.....	.....	.....	.....	.....	.....	.....	13
A. Referred Journal Manuscripts	.....	.....	.....	.....	.....	.....	.....	.....	13
B. Books	.....	.....	.....	.....	.....	.....	.....	.....	20
C. Electronic Journals	.....	.....	.....	.....	.....	.....	.....	.....	23
11. PUBLICATIONS IN CONFERENCE PROCEEDINGS	.....	.....	.....	.....	.....	.....	.....	.....	24
12. INVITED LECTURES	.....	.....	.....	.....	.....	.....	.....	.....	36
13. RESEARCH FUNDING	.....	.....	.....	.....	.....	.....	.....	.....	41
14. TEACHING	.....	.....	.....	.....	.....	.....	.....	.....	42
A. Undergraduate Education	.....	.....	.....	.....	.....	.....	.....	.....	42
B. Postgraduate Education	.....	.....	.....	.....	.....	.....	.....	.....	42
C. Supervision of MSc Students, PhD Students and Postdoctoral Scientists	.....	.....	.....	.....	.....	.....	.....	.....	43
15. ADMINISTRATIVE DUTIES	.....	.....	.....	.....	.....	.....	.....	.....	44
16. ORGANIZATION OF CONFERENCES	.....	.....	.....	.....	.....	.....	.....	.....	45
17. MEMBERSHIP IN EDITORIAL BOARDS AND SOCIETY BOARDS	.....	.....	.....	.....	.....	.....	.....	.....	45
18. MEMBERSHIP IN COMMITTEES AND SOCIETIES	.....	.....	.....	.....	.....	.....	.....	.....	45
19. REFERENCES	.....	.....	.....	.....	.....	.....	.....	.....	46

1. PERSONAL DETAILS

EVANGELIA CHARMANDARI, MD, MSc, PhD, MRCP(UK), CCST(UK)

Name: Evangelia Charmandari

Nationality: Hellenic

Present position: Professor of Pediatric and Adolescent
Endocrinology



Work address: Division of Endocrinology, Metabolism and Diabetes
First Department of Pediatrics
University of Athens Medical School
'Aghia Sophia' Children's Hospital
Thivon and Papdiamantopoulou Street
Athens, 11527
Greece

Work Telephone numbers: +30-213-2013-239

E-mail address: evangelia.charmandari@googlemail.com

2. BRIEF BIOGRAPHY

Dr. Charmandari graduated from the Aristotle University Medical School, Thessaloniki, Greece, as a valedictorian of her class, and completed her specialization in General Pediatrics in the United Kingdom (UK). She was further subspecialized in Pediatric and Adolescent Endocrinology at the London Centre for Paediatric Endocrinology and Metabolism, Great Ormond Street Hospital for Children, The Middlesex Hospital and University College Hospital in London, UK. She is certified as a General Pediatrician and Pediatric and Adolescent Endocrinologist by the Royal College of Pediatrics and Child Health, London, UK. She was awarded a MSc in Clinical Pediatrics and a PhD in Pediatric and Adolescent Endocrinology by the University of London, London, UK, in 1998 and 2001, respectively. She subsequently undertook a Postdoctoral Fellowship in Molecular Endocrinology and Cellular Biology at the National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland, USA (2000-2004). She worked as a Consultant in Pediatric and Adolescent Endocrinology at St. James' University Hospital and Leeds General Infirmary, Leeds, UK (2006-2007). Following 15 years of clinical and research work in the UK and USA, she returned back to Greece in 2007 having been awarded a European Union reintegration grant. She used this opportunity to establish and develop the Laboratory of Molecular Endocrinology-Cellular Biology of the Division of Endocrinology and Metabolism at the Biomedical Research Foundation of the Academy of Athens, Athens, Greece (2007-2011).

Dr. Charmandari was elected an Associate Professor of Pediatric and Adolescent Endocrinology at the University of Athens Medical School in July 2009 and a Full Professor of Pediatric and Adolescent Endocrinology in July 2015. She carries out her clinical, research, teaching and administrative commitments at the Division of Endocrinology, Metabolism and Diabetes, First Department of Pediatrics, 'Aghia Sophia' Hospital for Children, Athens, Greece. Her duties include supervision and management of children and adolescents with endocrine problems at the Out-patient Endocrinology Clinics (three Clinics per week), as well as management of patients with endocrine problems admitted to other Departments of the Hospital. She also supervises the Laboratory of Hormonal Measurements and Molecular Endocrinology at Choremeio Research Institution, 'Aghia Sophia' Children's Hospital, while she remains the main scientific supervisor of the Laboratory of Molecular Endocrinology and Cellular Biology at the Division of Endocrinology and Metabolism, Biomedical Research Foundation of the Academy of Athens, Athens, Greece. Since 2011, she has been the Chair of the Committee for the Approval of Growth Hormone Treatment at 'Aghia Sophia' Children's Hospital, and a member of the Clinical Practice Committee (CPC) and the ESPE Science School (ESS) Committee of the European Society for Pediatric Endocrinology (ESPE).

She has been actively involved in the teaching of Medical Students, Senior House Officers (Residents) in General Pediatrics, Fellows in Endocrinology, Undergraduate and Postgraduate Students, as well as Postdoctoral Scientists. She has been the main scientific supervisor of 2 MSc Students and 1 PhD Student, who have completed their research projects, while she continues to supervise 1 Undergraduate Student, 1 MSc Student, 4 PhD Students and 2 Postdoctoral Scientists, whose research studies are still ongoing. She has been the main organizer of the European Postgraduate Program 'New Inroads to Child Health (NICHe) Conference' and 'ESPE Science School' of the European Society for Pediatric Endocrinology in 2012, which was entitled 'Stress Response and Child Health' (Heraklio, Crete, 2012), and has successfully organized several seminars in General Pediatrics and Pediatric Endocrinology.

Dr. Charmandari's research work has focused primarily on the hypothalamic-pituitary-adrenal axis and its disorders, and childhood obesity. Her research work includes research projects in Clinical research, Translational research and Basic research in Molecular Endocrinology and Cellular Biology. Her clinical research has focused on Congenital Adrenal Hyperplasia, Adrenal Insufficiency, Primary Hyperaldosteronism, Cushing syndrome and Childhood Obesity. Her basic

research studies have focused on Primary Generalized Glucocorticoid Resistance and Hypersensitivity, and the molecular mechanisms of glucocorticoid action.

She has published 78 papers in peer-reviewed journals, as well as 1 book, 44 chapters in textbooks and electronic journals, and 118 abstracts in conference proceedings. Her publications have an impact factor of 472 and received 2372 citations (scopus) (h index = 28). In 2007 she was awarded the ‘Henning Andersen Prize’ of the European Society of Paediatric Endocrinology (basic research). She has been an invited speaker in 78 National and International Meetings.

Finally, she has been actively involved in attracting research funding. As a main Principal Investigator (PI), she has attracted funding of 1,088,000.00 (one million eighty eight thousand) Euros, while as co-PI, she has attracted 655,000.00 (six hundred and fifty five thousand) Euros. During the last 3 years, she has been the Scientific Supervisor and Coordinator of the Program entitled ‘Development of a National System for the Prevention and Management of Obesity in Childhood and Adolescence’, as well as the Research Project ‘Molecular Mechanisms and Clinical Implications of Glucocorticoid Receptor Action’, which are both funded by the European Union and the General Secretariat of Research and Development, Greece.

3. QUALIFICATIONS

1. **Certificate of Completion of Sub-Specialty Training in Pediatric Endocrinology**

Awarded by: Royal College of Pediatrics and Child Health, London, UK

Date awarded: September 5, 2005

2. **Certificate of Completion of Specialty Training in General Pediatrics**

Awarded by: Royal College of Pediatrics and Child Health, London, UK

Date awarded: September 5, 2005

3. **Degree of Doctor of Medicine (PhD Equivalent)**

Awarded by: University College London, University of London, London UK

Date awarded: July 31, 2001

4. **Master of Science in Clinical Pediatrics**

Awarded by: University College London, University of London, London UK

Date awarded: November 1, 1998

5. **Certificate of Completion of Specialist Training in Pediatrics**

Awarded by: Aristotelian University Medical School, Thessaloniki, Greece

Date awarded: November 21, 1998

6. **Membership of Royal College of Physicians [MRCP (UK)], Part II**

Awarded by: Royal College of Physicians, London, UK

Date awarded: June 25, 1996

7. **Membership of Royal College of Physicians [MRCP (UK)], Part I**

Awarded by: Royal College of Physicians, London, UK

Date awarded: July 12, 1994

8. **Medical Degree (with Highest Distinction)**

Awarded by: Aristotle University Medical School, Thessaloniki, Greece

Date awarded: November 2, 1988

4. EDUCATION

- 1982 - 1988: **Medical Student**, Aristotle University Medical School, Thessaloniki, Greece
- 1997 – 2000: **PhD Fellow**, University College London, University of London, UK
- 2000 – 2004: **Postdoctoral Fellow**, Pediatric and Reproductive Endocrinology Branch,
National Institute of Child Health and Human Development (NICHD),
National Institutes of Health (NIH), Bethesda, Maryland, USA

5. ADVANCED COURSES

1. **European Society for Pediatric Endocrinology (ESPE) Summer School**
Brussels, Belgium, September 1997 (5 days)
2. **Recombinant DNA Methodology, FAES Bio-Trac 2**
National Institutes of Health, Bethesda, Maryland, USA, Winter Session 2001 (3 months)
3. **Expression, Detection and Purification of Recombinant Proteins in Prokaryotic and Eukaryotic Cells, FAES Bio-Trac 16**
National Institutes of Health, Bethesda, Maryland, USA, Fall Session 2003 (3 months)
4. **Genome Analysis, FAES Bio-Trac 11**
National Institutes of Health, Bethesda, Maryland, USA, Winter Session 2004 (3 months)
5. **Advanced Postgraduate Course on Growth and Growth Disorders**
Stockholm, Sweden, June 2005 (5 days)
6. **5th National PUMP Conference – Insulin Pump Therapy in Practice**
London, United Kingdom, October 2006 (1 day)
7. **Advanced Course in Pediatric Bone and Calcium Metabolism**
Birmingham, United Kingdom, March 2007 (2 days)
8. **Medtronic Course on Insulin Pump Therapy**
London, United Kingdom, April 2007 (1 day)
9. **Advance life support courses – Cardiopulmonary resuscitation**
London, United Kingdom, once yearly
10. **Management Course for Consultants**
Imperial College, London, United Kingdom, 2006

6. AWARDS – PRIZES – SCHOLARSHIPS

1. **National Scholarship - IKY** 1982, 1983, 1984, 1985, 1986, 1987, 1988
2. **Henning Andersen Prize** European Society for Pediatric Endocrinology, June 2007
3. **Hellenic Endocrine Society** Prize for Best Research Proposal in Pediatric and Adolescent Endocrinology, 2010
4. **Hellenic Endocrine Society** Prize for Best Research Proposal in Pediatric and Adolescent Endocrinology, 2012
5. **Hellenic Endocrine Society** ‘Farmakioti’ Prize for best Poster Presentation at the Annual Meeting of the Society, 2013

7. PRESENT POSITION

**DIVISION OF ENDOCRINOLOGY, METABOLISM AND DIABETES
FIRST DEPARTMENT OF PEDIATRICS
UNIVERSITY OF ATHENS MEDICAL SCHOOL
‘AGHIA SOPHIA’ CHILDREN’S HOSPITAL**

Position: Professor of Pediatric and Adolescent Endocrinology

Duration: December 11, 2015 – Present

Position: Associate Professor of Pediatric and Adolescent Endocrinology

Duration: February 2, 2011 – December 10, 2015

During this time, I have been working initially as an Associate Professor and later as a full Professor of Pediatric and Adolescent Endocrinology at the Division of Endocrinology, Metabolism and Diabetes, First Department of Pediatrics, University of Athens Medical School, ‘Aghia Sophia’ Children’s Hospital, Athens, Greece, with clinical, research, teaching and administrative commitments. My duties include supervision and management of children and adolescents with endocrine problems at the Out-patient Endocrinology Clinics (three Clinics per week), as well as patients with endocrine problems admitted to other Departments of the Hospital. In addition, I have been responsible for the Laboratory of Hormonal Measurements and Molecular Endocrinology at Choremeio Research Institution, ‘Aghia Sophia’ Children’s Hospital, as well as the Laboratory of Molecular Endocrinology and Cellular Biology at the Division of Endocrinology and Metabolism, Biomedical Research Foundation of the Academy of Athens, Athens, Greece. Since 2011, I have been the Chair of the Committee for Approval of Growth Hormone Treatment at ‘Aghia Sophia’ Children’s Hospital, and a member of the Clinical Practice Committee (CPC) and the ESPE Science School (ESS) Committee of the European Society for Pediatric Endocrinology (ESPE).

I have been actively involved in the teaching of Medical Students, Senior House Officers (Residents) in General Pediatrics, Fellows in Endocrinology, Undergraduate and Postgraduate students, as well as Postdoctoral Scientists. I have been the main scientific supervisor of 2 MSc Students and 1 PhD Student, who have completed their research projects, and I continue to supervise 1 Undergraduate Student, 1 MSc Student, 4 PhD Students and 2 Postdoctoral Scientists, whose research studies are still ongoing. I have also been the main organizer of the European

Postgraduate Program ‘New Inroads to Child Health (NICHe) Conference’ and ‘ESPE Science School’ of the European Society for Pediatric Endocrinology in 2012, which was entitled ‘Stress Response and Child Health’ (Heraklio, Crete, 2012), and I have successfully organized several seminars in General Pediatrics and Pediatric Endocrinology.

My research work has focused primarily on the hypothalamic-pituitary-adrenal axis and its disorders, and childhood obesity. Completed or ongoing research projects include projects relating to Clinical research, Translational research and Basic research in Molecular Endocrinology and Cellular Biology. My clinical research projects have focused on Congenital Adrenal Hyperplasia, Adrenal Insufficiency, Primary Hyperaldosteronism, Cushing syndrome and Childhood Obesity. My basic research projects have focused on Primary Generalized Glucocorticoid Resistance and Hypersensitivity, and the molecular mechanisms of glucocorticoid action.

Finally, during this time I have been actively involved in attracting research funding. As a main Principal Investigator (PI), I have attracted 1,088,000.00 (one million eighty eight thousand) Euros, while as co-PI, I have attracted 655,000.00 (six hundred and fifty five thousand) Euros. During the last 3 years, I have been the Scientific Supervisor and Coordinator of the Program entitled ‘Development of a National System of the Prevention and Management of Obesity in Childhood and Adolescence’, as well as the Research Project ‘Molecular Mechanisms and Clinical Implications of Glucocorticoid Receptor Action’, which are both funded by the European Union and the General Secretariat of Research and Development, Greece.

8. PROFESSIONAL EXPERIENCE (IN BRIEF)

1. POSITIONS WITH CLINICAL COMMITMENTS IN PEDIATRIC AND ADOLESCENT ENDOCRINOLOGY

Professor of Pediatric and Adolescent Endocrinology

Division of Endocrinology, Metabolism and Diabetes
First Department of Pediatrics, University of Athens Medical School
‘Aghia Sophia’ Children’s Hospital, Athens, Greece
11th of December, 2015 – Present

Associate Professor of Pediatric and Adolescent Endocrinology

Division of Endocrinology, Metabolism and Diabetes
First Department of Pediatrics, University of Athens Medical School
‘Aghia Sophia’ Children’s Hospital, Athens, Greece
2nd of February, 2011 – 10th of December, 2015

Consultant in Pediatric and Adolescent Endocrinology

St. James’s University Hospital and Leeds General Infirmary, Leeds, UK
24th of July, 2006 – 16th of April, 2007

Specialist Registrar in Pediatric and Adolescent Endocrinology

London Centre for Paediatric Endocrinology
The Middlesex Hospital and Great Ormond Street Hospital for Children
University College London, London, UK
1st of September, 1997 – 31st of August, 1998

Specialist Registrar in Pediatric and Adolescent Endocrinology

London Centre for Paediatric Endocrinology

Great Ormond Street Hospital for Children and University College Hospital

University College London, London, UK

4th of September, 2004 – 4th of March, 2006

2. POSITIONS WITH RESEARCH COMMITMENTS IN CLINICAL AND MOLECULAR ENDOCRINOLOGY

Professor of Pediatric and Adolescent Endocrinology

Division of Endocrinology, Metabolism and Diabetes

First Department of Pediatrics, University of Athens Medical School

‘Aghia Sophia’ Children’s Hospital, Athens, Greece

11th of December, 2015 – Present

Associate Professor of Pediatric and Adolescent Endocrinology

Division of Endocrinology, Metabolism and Diabetes

First Department of Pediatrics, University of Athens Medical School

‘Aghia Sophia’ Children’s Hospital, Athens, Greece

2nd of February, 2011 – 10th of December, 2015

Assistant Professor of Pediatric and Adolescent Endocrinology

Division of Endocrinology and Metabolism

Biomedical Research Foundation of the Academy of Athens, Athens, Greece

1st of May 2009 – 1st of February 2011

Senior Investigator in Clinical and Molecular Endocrinology

Division of Endocrinology and Metabolism

Biomedical Research Foundation of the Academy of Athens, Athens, Greece

1st of June 2007 – 31st of April 2009

Postdoctoral Fellow in Molecular Endocrinology and Cellular Biology

Pediatric and Reproductive Endocrinology Branch

National Institute of Child Health and Human Development (NICHD)

National Institutes of Health (NIH), Bethesda, Maryland, USA

1st of December, 2000 – 3rd of September, 2004

5th of March, 2006 – 15th of July, 2006

Research Registrar in Pediatric and Adolescent Endocrinology

London Centre for Paediatric Endocrinology

The Middlesex Hospital and Great Ormond Street Hospital for Children

University College London, London, UK

1st of September, 1998 – 30th of November, 2000

3. POSITIONS WITH CLINICAL COMMITMENTS IN GENERAL PEDIATRICS

Specialist Registrar in General Pediatrics

Basildon Hospital, Basildon and Queen Elizabeth Hospital for Children, London, UK

1st of September, 1995 – 31st of August, 1997

Senior House Officer in General Pediatrics

Rotation through hospitals in North England, UK

(Pontefract and Preston General Hospitals, Hope and Withington Hospitals in Manchester, Alder Hey Children's Hospital in Liverpool)

1st of August, 1992 – 31st of August, 1995

Senior House Officer in General Pediatrics

Infectious Diseases Hospital, Thessaloniki, Greece

1st of July, 1990 – 31st of July, 1992

9. DETAILED PROFESSIONAL EXPERIENCE

December 11, 2015 – Present:

DIVISION OF ENDOCRINOLOGY, METABOLISM AND DIABETES
UNIVERSITY OF ATHENS MEDICAL SCHOOL
'AGHIA SOPHIA' CHILDREN'S HOSPITAL
ATHENS, GREECE

Professor of Pediatric and Adolescent Endocrinology (Full Time)

Feb 2, 2011 – Dec 10, 2015:

DIVISION OF ENDOCRINOLOGY, METABOLISM AND DIABETES
UNIVERSITY OF ATHENS MEDICAL SCHOOL
'AGHIA SOPHIA' CHILDREN'S HOSPITAL
ATHENS, GREECE

Associate Professor of Pediatric and Adolescent Endocrinology (Full Time)

May 1, 2009 – Feb 1, 2011:

DIVISION OF ENDOCRINOLOGY AND METABOLISM
BIOMEDICAL RESEARCH FOUNDATION
OF THE ACADEMY OF ATHENS
ATHENS, GREECE

Assistant Professor of Pediatric and Adolescent Endocrinology (Full Time)

June 1, 2007 – April 30, 2009:

DIVISION OF ENDOCRINOLOGY AND METABOLISM
BIOMEDICAL RESEARCH FOUNDATION
OF THE ACADEMY OF ATHENS
ATHENS, GREECE

Senior Investigator in Pediatric and Adolescent Endocrinology (Full Time)

July 24, 2006 – April 16, 2007: DEPARTMENT OF PAEDIATRIC AND ADOLESCENT
ENDOCRINOLOGY
ST. JAMES'S UNIVERSITY HOSPITAL AND
LEEDS GENERAL INFIRMARY
LEEDS, UNITED KINGDOM

*Consultant Pediatric and Adolescent Endocrinologist
(Full Time)*

May 5, 2006 – July, 15 2006: PEDIATRIC & REPRODUCTIVE ENDOCRINOLOGY BRANCH
NATIONAL INSTITUTE OF CHILD HEALTH
& HUMAN DEVELOPMENT
NATIONAL INSTITUTES OF HEALTH
BETHESDA, MARYLAND, USA

*Postdoctoral Fellow in Clinical Pediatric and Adolescent
Endocrinology, Molecular Endocrinology and Cellular
Biology (Full Time)*

Sept 5, 2005 – March 5, 2006: LONDON CENTRE FOR PAEDIATRIC ENDOCRINOLOGY
GREAT ORMOND STREET HOSPITAL FOR CHILDREN &
UNIVERSITY COLLEGE LONDON HOSPITAL
LONDON, UNITED KINGDOM

*Specialist Registrar in Pediatric and Adolescent
Endocrinology & Adolescent Medicine (Full Time)*

Sept 6, 2004 – Sept 4, 2005: LONDON CENTRE FOR PAEDIATRIC ENDOCRINOLOGY
GREAT ORMOND STREET HOSPITAL FOR CHILDREN
LONDON, UNITED KINGDOM

Specialist Registrar in Pediatric Endocrinology (Full Time)

Dec 1, 2000 – Sept 3, 2004: PEDIATRIC & REPRODUCTIVE ENDOCRINOLOGY BRANCH
NATIONAL INSTITUTE OF CHILD HEALTH
& HUMAN DEVELOPMENT
NATIONAL INSTITUTES OF HEALTH
BETHESDA, MARYLAND, USA

*Postdoctoral Fellow in Clinical Pediatric and Adolescent
Endocrinology, Molecular Endocrinology and Cellular
Biology (Full Time)*

- Sept 1, 1998 – Nov 31, 2000:** LONDON CENTRE FOR PAEDIATRIC ENDOCRINOLOGY
THE MIDDLESEX HOSPITAL & GREAT ORMOND STREET HOSPITAL
LONDON, UNITED KINGDOM
Research Registrar in Pediatric Endocrinology (Full Time)
- Sept 1, 1997 – Aug 31, 1998:** LONDON CENTRE FOR PAEDIATRIC ENDOCRINOLOGY
THE MIDDLESEX HOSPITAL & GREAT ORMOND STREET HOSPITAL
LONDON, UNITED KINGDOM
Specialist Registrar in Pediatric Endocrinology (Full Time)
- Sept 1, 1996 – Aug 31, 1997:** QUEEN ELIZABETH HOSPITAL FOR CHILDREN
LONDON, UNITED KINGDOM
Specialist Registrar in General Pediatrics and Pediatric Gastroenterology (Full Time)
- Sept 1, 1995 – Aug 31, 1996:** BASILDON GENERAL HOSPITAL
BASILDON, UNITED KINGDOM
Specialist Registrar in General Pediatrics, Neonatology & Community Pediatrics (Full Time)
- Feb 1, 1995 – July 31, 1995:** ALDER HEY CHILDREN'S HOSPITAL
LIVERPOOL, UNITED KINGDOM
Senior House Officer in Pediatric Cardiology (Full Time)
- Aug 1, 1994 – Jan 31, 1995:** ALDER HEY CHILDREN'S HOSPITAL
LIVERPOOL, UNITED KINGDOM
Senior House Officer in Pediatric Hematology – Oncology (Full Time)
- Feb 1, 1994 – July 31, 1994:** WITHINGTON HOSPITAL
MANCHESTER, UNITED KINGDOM
Senior House Officer in General Pediatrics, Neonatology & Community Pediatrics (Full Time)

- Aug 1, 1993 – Jan 31, 1994:** HOPE HOSPITAL
MANCHESTER, UNITED KINGDOM
Senior House Officer in Neonatology (Full Time)
- Feb 1, 1993 – July 31, 1993:** ROYAL PRESTON HOSPITAL
PRESTON, UNITED KINGDOM
*Senior House Officer in General Pediatrics,
Pediatric Neurology & Neonatology (Full Time)*
- Aug 1, 1992 – Jan 31, 1993:** PONTEFRACT GENERAL INFIRMARY
PONTEFRACT, UNITED KINGDOM
*Senior House Officer in General Pediatrics, Neonatology &
Community Pediatrics (Full Time)*
- July 1, 1990 – July 31, 1992:** INFECTIOUS DISEASES HOSPITAL
THESSALONIKI, GREECE
Senior House Officer in General Pediatrics (Full Time)
- Dec 1, 1988 – July 31, 1990:** MEDICAL CENTRE OF PENTAPOLIS
SERRES, GREECE
Medical Practitioner (Full Time)

10. PUBLICATIONS

A. Refereed Journal Manuscripts

Publications in SCI Journals

1. Charmandari E, Brook CGD. 20 years of experience in idiopathic central diabetes insipidus. *Lancet* 1999; 353 (9171): 2212-2213.
2. Koziell A, Charmandari E, Hindmarsh PC, Scambler P, Brook CGD. Frasier syndrome and the Wilm's tumour suppressor Gene. *Clinical Endocrinology (Oxford)* 2000; 52(4): 519-524.
3. Charmandari E, Meadows N, Patel M, Johnston A, Benjamin N. Plasma nitrate concentrations in patients with infective and non-infective enteritis. *Journal of Pediatric Gastroenterology and Nutrition* 2001; 32(4): 423-427.

4. Charmandari E. Is hydrocortisone clearance 50% slower in the evening than in the morning? *Journal of Clinical Endocrinology & Metabolism* 2001; 86(2): 948-949.
5. Charmandari E, Johnston A, Brook CGD, Hindmarsh PC. Bioavailability of oral hydrocortisone in patients with congenital adrenal hyperplasia. *Journal of Endocrinology* 2001; 169(1): 65-70.
6. Charmandari E, Hindmarsh PC, Johnston A, Brook CGD. Alterations in cortisol pharmacokinetics at puberty. *Journal of Clinical Endocrinology & Metabolism* 2001; 86(6): 2701-2708.
7. Charmandari E, Lichtarowicz-Krynska E, Hindmarsh PC, Aynsley-Green A, Brook CGD. Congenital adrenal hyperplasia: management during critical illness. *Archives of Disease in Childhood* 2001; 85(1): 26-28.
8. Charmandari E, Pincus SM, Matthews DR, Dennison E, Fall CHD, Hindmarsh PC. Joint growth hormone and cortisol spontaneous secretion is more asynchronous in older females than their male counterparts. *Journal of Clinical Endocrinology & Metabolism* 2001; 86(7): 3393-3399.
9. Charmandari E, Matthews DR, Johnston A, Brook CGD, Hindmarsh PC. Serum cortisol and 17-hydroxyprogesterone interrelation in classic 21-hydroxylase deficiency: Is current replacement therapy satisfactory? *Journal of Clinical Endocrinology & Metabolism* 2001; 86(10): 4679-4685.
10. Charmandari E, Dattani MT, Perry LA, Hindmarsh PC, Brook CGD. Kinetics and effect of percutaneous administration of dihydrotestosterone in children. *Hormone Research* 2001; 56(5-6): 177-181.
11. Charmandari E, Brook CGD, Hindmarsh PC. Why is management of patients with classical congenital adrenal hyperplasia more difficult at puberty? *Archives of Disease in Childhood* 2002; 86(4): 266-269.
12. Charmandari E, Weise M, Bornstein SR, Eisenhofer G, Keil MF, Chrousos GP, Merke DP. Children with classic congenital adrenal hyperplasia have elevated serum leptin concentrations and insulin resistance: Potential clinical implications. *Journal of Clinical Endocrinology & Metabolism* 2002; 87(5): 2114-2120.
13. Charmandari E, Pincus SM, Matthews DR, Johnston A, Brook CGD, Hindmarsh PC. Oral hydrocortisone administration in children with classic 21-hydroxylase deficiency leads to more synchronous joint GH and cortisol Secretion. *Journal of Clinical Endocrinology & Metabolism* 2002; 87(5): 2238-2244.
14. Charmandari E, Johnston A, Honour JW, Brook CGD, Hindmarsh PC. Treatment with flutamide decreases cortisol clearance: implications for therapy in congenital adrenal hyperplasia. *Journal of Pediatric Endocrinology & Metabolism* 2002; 15(4): 435-439.
15. Charmandari E, Eisenhofer G, Mehlinger SL, Carlson A, Wesley R, Keil MF, Chrousos GP, New MI, Merke DP. Adrenomedullary function may predict phenotype and genotype in classic 21-hydroxylase deficiency. *Journal of Clinical Endocrinology & Metabolism* 2002; 87(7): 3031-3037.

16. Charmandari E, Calis KA, Keil MF, Mohassel MR, Remaley A, Merke DP. Flutamide decreases cortisol clearance in patients with congenital adrenal hyperplasia. *Journal of Clinical Endocrinology & Metabolism* 2002; 87(7): 3197-3200.
17. Kino T, Vottero A, Charmandari E, Chrousos GP. Familial/sporadic glucocorticoid resistance syndrome and hypertension. *Annals of the New York Academy of Sciences* 2002; 970: 101-111.
18. Spoudeas HA, Charmandari E, Brook CGD. Hypothalamo-pituitary-adrenal axis integrity after radiotherapy for childhood posterior fossa tumours. *Medical and Pediatric Oncology* 2003; 40(4): 224-229.
19. Charmandari E, Kino T, Souvatzoglou E, Chrousos GP. Pediatric stress: Hormonal mediators and stress response. *Hormone Research* 2003; 59(4): 161-179.
20. Roche E, Charmandari E, Dattani MT, Hindmarsh PC. Blood pressure in children and adolescents with congenital adrenal hyperplasia (21-hydroxylase deficiency) – A preliminary report. *Clinical Endocrinology (Oxford)* 2003; 58(5): 589-596.
21. Kino T, DeMartino M, Charmandari E, Mirani M, Chrousos GP. Tissue glucocorticoid resistance/hypersensitivity syndromes. *Journal of Steroid Biochemistry and Molecular Biology* 2003; 85(2-5): 457-467.
22. Charmandari E, Pincus SM, Matthews DR, Johnston A, Brook CGD, Hindmarsh PC. Sexual dimorphism in the synchrony of joint growth hormone and cortisol secretion in children with classic 21-hydroxylase deficiency. *Journal of Pediatric Endocrinology & Metabolism* 2003; 16(8): 1119-1130.
23. Kino T, Charmandari E, Chrousos GP. Basic and clinical implications of glucocorticoid action – Focus on development: Conference Proceedings. *Hormone and Metabolic Research* 2003; 35(10): 628-648.
24. Chrousos GP, Charmandari E, Kino T. Glucocorticoid action networks: An introduction to systems biology. *Journal of Clinical Endocrinology & Metabolism* 2004; 89(2): 563-564.
25. Weise M, Mehlinger SL, Drinkard B, Rawson E, Charmandari E, Hiroi M, Eisenhofer G, Yanovski J, Chrousos GP, Merke DP. Patients with classic congenital adrenal hyperplasia have decreased epinephrine reserve and defective glucose elevation in response to high intensity exercise. *Journal of Clinical Endocrinology & Metabolism* 2004; 89(2): 591-597.
26. Charmandari E, Kino T, Vottero A, Souvatzoglou E, Bhattacharyya N, Chrousos GP. Natural glucocorticoid receptor mutants causing generalized glucocorticoid resistance: molecular genotype, genetic transmission and clinical phenotype. *Journal of Clinical Endocrinology & Metabolism* 2004; 89(4): 1939-1949.
27. Charmandari E, Merke DP, Negro PJ, Keil MF, Martinez PE, Haim A, Gold PW, Chrousos GP. Endocrinologic and psychologic evaluation of 21-hydroxylase deficiency carriers and matched normal subjects: evidence for physical and/or psychologic vulnerability to stress. *Journal of Clinical Endocrinology & Metabolism* 2004; 89(5): 2228-2236.

28. Charmandari E, Kino T, Chrousos GP. Glucocorticoids and their actions. *Annals of the New York Academy of Sciences* 2004; 1024: 1-8.
29. Charmandari E, Kino T, Chrousos GP. Familial/Sporadic glucocorticoid resistance: Clinical phenotype and molecular mechanisms. *Annals of the New York Academy of Sciences* 2004; 1024: 168-181.
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11. PUBLICATIONS IN CONFERENCE PROCEEDINGS

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18. Charmandari E, Eisenhofer G, Keil M, Carlson A, New MI, Chrousos GP, Merke DP. (2001) Adrenomedullary function may predict phenotype and genotype in classic 21-hydroxylase deficiency. **Poster presentation** at the joint Lawson Wilkins & European Society for Pediatric Endocrinology Meeting, Montreal, Canada.
19. Charmandari E, Weise M, Bornstein SR, Eisenhofer G, Keil MF, Chrousos GP, Merke DP. (2001) Elevated serum leptin and insulin concentrations in patients with adrenomedullary hypofunction due to congenital adrenal hyperplasia. **Poster presentation** at the National Institutes of Health Research Festival, Bethesda, Maryland, USA.
20. Charmandari E, Chrousos GP, Kino T. (2001) Human glucocorticoid receptor (hGR) beta isoform suppresses both transcriptional activation functions AF-1 and AF-2 of hGR α . **Poster presentation** at the National Institutes of Health Research Festival, Bethesda, Maryland, USA.
21. Charmandari E, Weise M, Keil MF, Eisenhofer G, Bornstein SR, Chrousos GP, Merke DP. (2002) Children with classic congenital adrenal hyperplasia have elevated serum leptin concentrations and insulin resistance. **Poster presentation** at the joint Pediatric Academy Societies and Lawson Wilkins Society for Pediatric Endocrinology Meeting, Baltimore, Maryland, USA.

22. Weise M, Mehlinger SL, Drinkard D, Charmandari E, Eisenhofer G, Chrousos GP, Merke DP. (2002) Children with congenital adrenal hyperplasia have normal short-term high-intensity exercise tolerance despite decreased adrenomedullary reserve. **Oral presentation** at the 84th Endocrine Society Annual Meeting, San Francisco, California, USA.
23. Charmandari E, Vottero A, Latronico AC, Mendonca B, Chrousos GP, Kino T. (2002) Differential interaction and activation function 2 of natural glucocorticoid receptor mutants causing familial glucocorticoid resistance. **Poster presentation** at the 84th Endocrine Society Annual Meeting, San Francisco, California, USA.
24. Charmandari E, Chrousos GP, Kino T. (2002) The human glucocorticoid receptor (GR) β isoform interacts with coactivators only through its transcriptional activation function (AF) 1 region, and suppresses both AF1 and AF2 activities of GR α . **Poster presentation** at the 84th Endocrine Society Annual Meeting, San Francisco, California, USA.
25. Roche EF, Charmandari E, Dattani M, Hindmarsh PC. (2002) Blood pressure in patients with congenital adrenal hyperplasia, 21-hydroxylase deficiency. **Poster presentation** at the 41st European Society for Pediatric Endocrinology Meeting, Madrid, Spain.
26. Charmandari E, Merke DP, Negro P, Keil MF, Gold PW, Chrousos GP. (2002) Endocrinologic and psychologic evaluation of 21-hydroxylase deficient carriers and normal subjects. **Poster presentation** at the 41st European Society for Pediatric Endocrinology Meeting, Madrid, Spain.
27. Charmandari E, Leong GM, Reynolds JC, Hill S, Chrousos GP, Nieman LK. (2003) Bone mineral density and body composition following cure of Cushing's disease in adolescence. **Poster presentation** at the 85th Endocrine Society Annual Meeting, Philadelphia, Pennsylvania, USA.
28. Charmandari E, Kino T, Vottero A, Chrousos GP. (2003) Natural glucocorticoid receptor mutants causing generalized glucocorticoid resistance: Molecular genotype, genetic transmission and clinical phenotype. **Poster Presentation** at the National Institutes of Health Research Festival, Bethesda, Maryland, USA.
29. Kino T, DeMartino M, Charmandari E, Outas T, Ichijo T, Pavlakis G, Chrousos GP. (2004) The human immunodeficiency virus type-1 (HIV-1) accessory protein Vpr inhibits the effect of insulin on members of the Foxo subfamily of forkhead proteins by interfering with its binding to 14-3-3 proteins: potential clinical implications on the insulin resistance of HIV-1-infected patients. **Oral presentation** at the 86th Endocrine Society Annual Meeting, New Orleans, Louisiana, USA.
30. Charmandari E, Kino T, Tiulpakov A, Zachman K, Raji A, Chrousos GP. (2004) A novel, carboxyl-terminal point mutation of the human glucocorticoid receptor gene causing glucocorticoid resistance: Decreased affinity for ligand, reduced transactivation, and dominant negative activity upon the wild-type receptor. **Oral presentation** at the 86th Endocrine Society Annual Meeting, New Orleans, Louisiana, USA.
31. Charmandari E, Merke DP, Negro PJ, Keil MF, Martinez P, Haim A, Gold PW, Chrousos GP. (2004) Carriers of 21-hydroxylase deficiency are mildly hypocortisolemic: Potential clinical implications. **Poster presentation** at the 86th Endocrine Society Annual Meeting, New Orleans, Louisiana, USA.

32. Charmandari E, Chrousos GP, Bhattacharyya N, Vottero A, Souvatzoglou E, Kino T. (2004) The human glucocorticoid receptor (hGR) β isoform suppresses the transcriptional activity of hGR α by interfering with binding of hGR α to coactivator molecules through its preserved activation function (AF)-1. **Poster presentation** at the 86th Endocrine Society Annual Meeting, New Orleans, Louisiana, USA.
33. Raji A, Charmandari E, Tiulpakov A, Kino T, Zachman K, Chrousos GP. (2004) A novel point mutation in the ligand-binding domain of the human glucocorticoid receptor gene causes glucocorticoid resistance. **Poster presentation** at the 86th Endocrine Society Annual Meeting, New Orleans, Louisiana, USA.
34. Charmandari E, Jubiz W, Kino T, Ichijo T, Mejia L, Zachman K, Chrousos GP. (2005) Two novel point mutations in the amino-terminal and ligand-binding domains of the human glucocorticoid receptor are associated with generalized glucocorticoid resistance in newly diagnosed patients. **Poster presentation** at the 39th Annual Meeting of the European Society for Clinical Investigation, Athens, Greece.
35. Charmandari E, Kino T, Ichijo T, Zachman K, Chrousos GP. (2005) Molecular characterization of the human glucocorticoid receptor (hGR) gene mutations hGR α R477H and hGR α G679S causing generalized glucocorticoid resistance: Absence of dominant negative activity despite asymmetric binding to p160 coactivators. **Poster presentation** at the 87th Endocrine Society Annual Meeting, San Diego, California, USA.
36. Kino T, Liou SH, Charmandari E, Chrousos GP. (2005) Pathologic natural human glucocorticoid receptor (GR) mutants and the natural GR isoform β demonstrate reduced motility inside the nucleus of living cells. Suggestion of decreased dynamic interactions with DNA and chromatin, transcriptional intermediate and proteasomal proteins. **Oral presentation** at the 87th Endocrine Society Annual Meeting, San Diego, California, USA.
37. Kino T, Souvatzoglou E, Charmandari E, Driggers P, Mayers C, Alatsatianos A, Manoli I, Westphal H, Chrousos GP, Segars JH. (2005) Brx, a cytoplasmic Rho family guanine nucleotide exchange factor, functions as a molecular hub to couple glucocorticoid and membrane receptor-initiated signals. **Oral presentation** at the 87th Endocrine Society Annual Meeting, San Diego, California, USA.
38. Michel-Calemard L, Charmandari E, Achermann J, Scordis N, Morel Y. (2005) Large rearrangements of the HSD17B3 gene: A new type of mutation responsible for 17 β -HSD deficiency. **Poster presentation** at the ESPE/LWPES 7th Joint Meeting, Lyon, France.
39. Charmandari E, Kino T, Ichijo T, Jubiz W, Zachman K, Mejia L, Chrousos GP. (2006) A novel point mutation in Helix 11 of the ligand-binding domain of the human glucocorticoid receptor gene causing generalized glucocorticoid resistance. **Poster presentation** at the 88th Endocrine Society Annual Meeting, Boston, Massachusetts, USA.
40. Charmandari E, Ichijo T, Jubiz W, Zachman K, Chrousos GP, Kino T. (2006) A novel point mutation in the amino terminal domain of the human glucocorticoid receptor gene enhances glucocorticoid-mediated gene expression. **Poster presentation** at the 88th Endocrine Society Annual Meeting, Boston, Massachusetts, USA.

41. Charmandari E, Kino T, Ichijo T, Zachman K, Chrousos GP. (2007) A novel, point mutation in Helix 11 of the ligand-binding domain of the human glucocorticoid receptor gene and molecular characterization of the mutant receptor hGR α F737L. **Poster presentation** at the Society for Endocrinology Meeting, March 5-8 2007, Birmingham, UK.
42. Charmandari E, Kino T, Ichijo T, Zachman K, Chrousos GP. (2007) Novel causes of generalized glucocorticoid insensitivity: Lessons from the crystal structure of the ligand-binding domain of the human glucocorticoid receptor. **Poster presentation** at the 89th Endocrine Society Annual Meeting, Toronto, Canada.
43. Charmandari E, Kino, T, Ichijo T, Chrousos GP. (2007) Generalized glucocorticoid insensitivity: Clinical phenotype and molecular mechanisms. **Oral (Symposium) presentation** at the 46th European Society for Pediatric Endocrinology Meeting, Helsinki, Finland (*Henning-Andersen Prize*).
44. Charmandari E, Kino, T, Ichijo T, Zachman K, Chrousos GP. (2007) Novel causes of generalized glucocorticoid insensitivity: Lessons from the crystal structure of the ligand-binding domain of the human glucocorticoid receptor. **Oral (Symposium) presentation** at the 46th European Society for Pediatric Endocrinology Meeting, Helsinki, Finland.
45. Arundel P, Alvi S, Barth J, Field H, Majumdar R, Butler G, Charmandari E. (2007) Adrenocorticotropin hypersecretion and pituitary microadenoma in a child with adrenal hypoplasia congenita. **Poster presentation** at the 46th European Society for Pediatric Endocrinology Meeting, Helsinki, Finland.
46. Charmandari E, Ichijo T, Jubiz W, Zachman K, Chrousos GP, Kino T. (2007) Identification of a novel, point mutation in the amino terminal domain of the human glucocorticoid receptor (hGR) gene enhancing glucocorticoid-mediated gene expression and molecular characterization of the mutant receptor hGR α D401H. **Poster presentation** at the 46th European Society for Pediatric Endocrinology Meeting, Helsinki, Finland.
47. Majumdar R, Feltbower R, Shapiro L, Arundel P, Charmandari E, Butler G, Alvi S. (2007) Incidence and aetiology of congenital hypothyroidism in Leeds, UK. **Poster presentation** at the 46th European Society for Pediatric Endocrinology Meeting, Helsinki, Finland.
48. Charmandari E, Kino T, Komianou E, Sertedaki A, Kassiou K, Chrousos GP. (2008) A novel point mutation in the DNA-binding domain of the human glucocorticoid receptor gene causing generalized glucocorticoid resistance. **Poster presentation** at the 90th Endocrine Society Annual Meeting, San Francisco, California, USA.
49. Sertedaki A, Braatvedt G, Galata Z, Nicolaidis NC, Chrousos GP, Charmandari E. (2009) A novel point mutation in the ligand-binding domain of the human glucocorticoid receptor gene causing Generalized Glucocorticoid Resistance. Accepted for **Poster presentation** at the joint Lawson Wilkins & European Society for Pediatric Endocrinology Meeting, New York, USA.
50. Galata Z, Moschonis G, Makridakis M, Dimitraki P, Nicolaidis NC, Chrousos GP, Manios Y, Vlahou A, Charmandari E. (2009) Obese children demonstrate alterations in the expression of lipoproteins and coagulation factors in plasma proteomic analysis. **Poster presentation** at the joint Lawson Wilkins & European Society for Pediatric Endocrinology Meeting, New York, USA.

51. Galata Z, Moschonis G, Makridakis M, Dimitraki P, Nicolaides NC, Chrousos GP, Manios Y, Vlahou A, Charmandari E. (2010) Plasma proteomic analysis in obese and overweight children. **Oral presentation** at the 49th European Society for Pediatric Endocrinology Meeting, Prague, Czech Republic.
52. Androutsos O, Moschonis G, Drakopoulou M, Tanagra S, Siatista PE, Charmandari E, Pervanidou P, Kanaka-Gantenbein C, Manios Y, Chrousos GP. (2010) Risk factors for metabolic syndrome and hypovitaminosis D in primary school students. **Poster presentation** at the Annual Meeting of the Society for Atherosclerosis, Ioannina, Greece.
53. Moschonis G, Androutsos O, Drakopoulou M, Tanagra S, Koumbitski A, Charmandari E, Pervanidou P, Kanaka-Gantenbein C, Manios Y, Chrousos GP. (2010) High risk for hypovitaminosis D in primary school students with increased total and visceral fat mass. Health growth study. **Poster presentation** at the Annual Meeting of the Society for Atherosclerosis, Ioannina, Greece.
54. Galata Z, Moschonis G, Makridakis M, Dimitraki P, Nicolaides NC, Chrousos GP, Manios Y, Vlahou A, Charmandari E. (2010) Plasma proteomic analysis in obese and overweight children. **Oral presentation** at the joint 49th European Society for Pediatric Endocrinology Meeting, Prague, Czech Republic.
55. Charmandari E. (2010) Adrenals - Yearbook of Pediatric Endocrinology. **Oral presentation** at the joint 49th European Society for Pediatric Endocrinology Meeting, Prague, Czech Republic.
56. Charmandari E. (2011) Generalized glucocorticoid resistance and hypersensitivity states. **Oral presentation** at the 45th Annual Scientific Meeting of the European Society for Clinical Investigation, Heraklion, Crete, Greece.
57. Papadopoulou N, Maria-Christina Zennaro, Kanaka-Gantenbein C, Chrousos GP, Charmandari E. (2011) A *de novo* mutation of the mineralocorticoid receptor gene causing Pseudohypoaldosteronism type I. **Poster presentation** at the Annual Meeting of the Hellenic Endocrine Society, Greece.
58. Kino T, Charmandari E, Lambrou GI, Pavlaki A, Koide H, Ng SSM, Chrousos GP. (2011) Circadian CLOCK-mediated gene-specific regulation of peripheral glucocorticoid receptor transcriptional activity by acetylation in man. **Oral presentation** at the 92nd Endocrine Society Annual Meeting, Boston, MA, USA.
59. Nicolaides NC, Geer E, Sertedaki A, Charmandari E. (2011) Novel mutation in glucocorticoid receptor gene causing Primary Generalized Glucocorticoid Resistance (Chrousos syndrome). **Poster presentation** at the joint 50th European Society for Pediatric Endocrinology Meeting, Glasgow, United Kingdom.
60. Roberts ML, Kino T, Nicolaides NC, Katsantoni E, Sertedaki A, Charmandari E. (2011) Novel mechanisms of Primary Generalized Glucocorticoid Resistance or Chrousos Syndrome. **Poster presentation** at the joint 50th European Society for Pediatric Endocrinology Meeting, Glasgow, United Kingdom.
61. Charmandari E. (2011) Primary Generalized Glucocorticoid Resistance and Hypersensitivity. **Poster presentation** at the joint 50th European Society for Pediatric Endocrinology Meeting, Glasgow, United Kingdom.

62. Hindmarsh PC, Hill N, Dattani MT, Peters CJ, Charmandari E, Matthews DR. (2011) Deconvolution analysis of 24h serum cortisol profiles informs the amount and distribution of Hydrocortisone replacement therapy. **Poster presentation** at the joint 50th European Society for Pediatric Endocrinology Meeting, Glasgow, United Kingdom.
63. Charmandari E. (2011) Adrenals - Yearbook of Pediatric Endocrinology. **Oral presentation** at the joint 50th European Society for Pediatric Endocrinology Meeting, Glasgow, United Kingdom.
64. Hindmarsh PC, Hill N, Dattani MT, Peters CJ, Charmandari E, Matthews DR. (2011) Deconvolution analysis of 24h serum cortisol profiles informs the amount and distribution of Hydrocortisone replacement therapy. **Oral presentation** at the 30th Meeting of the British Society for Paediatric Endocrinology and Diabetes, London, UK.
65. Davies P, Borkenstein M, Charmandari E, Kim HS, Kirk J, Kostalova L, Lebl J, Loche S, Luczay A, Nicolino M, Norgren S, Rodriguez Arnao D, VanderMeulen J, Gasteyer C, Zieschang J, Zignani M; on behalf of the ECOS investigator group. (2012) Quantifying Adherence to Growth Hormone Treatment: The EasypodTM Connect Observational Study (ECOS) **Poster presentation** at the 93rd Endocrine Society Annual Meeting, Houston, TX, USA.
66. Charmandari E, Sertedaki A, Kino T, Merakou C, Hoffman D, Hutch MM, Hurt D, Lin L, Xekoiki P, Stratakis C, Chrousos GP. (2012) A novel point mutation in the KCNJ5 gene causing primary hyperaldosteronism and early onset autosomal dominant hypertension. **Oral presentation** at the joint 51st European Society for Pediatric Endocrinology Meeting, Leipzig, Germany.
67. Nicolaides NC, Roberts ML, Kino T, Katsantoni E, Sertedaki A, Chrousos GP, Charmandari E. (2012) The Role of S-Palmitoylation of human glucocorticoid receptor in mediating the non-genomic actions of glucocorticoids. **Poster presentation** at the joint 51st European Society for Pediatric Endocrinology Meeting, Leipzig, Germany.
68. Roberts ML, Nicolaides NC, Kino T, Katsantoni E, Sertedaki A, Chrousos GP, Charmandari E. (2012) Functional characterization of a novel mutation in the human glucocorticoid receptor gene causing Primary Generalized Glucocorticoid Resistance. **Oral presentation** at the joint 51st European Society for Pediatric Endocrinology Meeting, Leipzig, Germany.
69. Farakla I, Kouli E, Arditi J, Moutsatsou P, Drakopoulou M, Papassotiriou I, Chrousos GP, Charmandari E. (2012) Comparative effects of oral honey versus glucose tolerance test solutions on circulating glucose and insulin concentrations in obese prepubertal girls. **Poster presentation** at the joint 51st European Society for Pediatric Endocrinology Meeting, Leipzig, Germany.
70. Charmandari E, Katsantoni E, Triantafyllou P, Christophoridis A, Katzos G, Kino T, Nicolaides NC, Sertedaki A, Chrousos GP. (2012) Transient Generalized Glucocorticoid Hypersensitivity: Clinical manifestations and transcriptomics profile. **Poster presentation** at the joint 51st European Society for Pediatric Endocrinology Meeting, Leipzig, Germany.
71. Nicolaides NC, Sertedaki A, Chrousos GP, Charmandari E. (2012) Molecular mechanisms of action of a novel point mutation of the human glucocorticoid receptor gene causing Primary

Generalized Glucocorticoid Resistance. **Poster presentation** at the joint 51st European Society for Pediatric Endocrinology Meeting, Leipzig, Germany.

72. Charmandari E. (2012) 2012 Working Party on 'Disorders of Sex Development' (DSD): Evaluation report. **Oral presentation** at the joint 51st European Society for Pediatric Endocrinology Meeting, Leipzig, Germany.
73. Charmandari E. (2012) Adrenals - Yearbook of Pediatric Endocrinology. **Oral presentation** at the joint 51st European Society for Pediatric Endocrinology Meeting, Leipzig, Germany.
74. Nicolaides NC, Roberts ML, Kino T, Hurt DE, Katsantoni E, Sertedaki A, Chrousos GP, Charmandari E. (2013) A novel point mutation in the DNA-binding domain of the human glucocorticoid receptor gene causing Primary Generalized Glucocorticoid Resistance (Chrousos syndrome). **Oral presentation** at the 40th Hellenic Endocrine Society Meeting, Athens, Greece.
75. Nicolaides NC, Roberts ML, Kino T, Braadvedt G, Katsantoni E, Sertedaki A, Chrousos GP, Charmandari E. (2013) Identification and functional characterization of a novel point mutation of the human glucocorticoid receptor gene causing Primary Generalized Glucocorticoid Resistance (Chrousos syndrome). **Oral presentation** at the 40th Hellenic Endocrine Society Meeting, Athens, Greece.
76. Sertedaki A, Markou A, Piaditis G, Chrousos GP, Charmandari E. (2013) Mutations in the KCNJ5 gene in patients with idiopathic hypertension and hyperresponsiveness of aldosterone to ACTH. **Oral presentation** at the 40th Hellenic Endocrine Society Meeting, Athens, Greece.
77. Farakla I, Kouli E, Arditi J, Moutsatsou P, Drakopoulou M, Papassotiriou I, Chrousos GP, Charmandari E. (2013) The effect of honey on the concentrations of glucose and insulin in obese prepubertal girls. **Oral presentation** at the 40th Hellenic Endocrine Society Meeting, Athens, Greece.
78. Nicolaides NC, Sertedaki A, Chrousos GP, Charmandari E. (2013) Molecular mechanisms through which a novel point mutation of the human glucocorticoid receptor gene causes Primary Generalized Glucocorticoid Resistance. **Poster presentation** at the 40th Hellenic Endocrine Society Meeting, Athens, Greece.
79. Nicolaides NC, Roberts ML, Kino T, Katsantoni E, Sertedaki A, Chrousos GP, Charmandari E. (2013) The role of S-palmitoylation of the human glucocorticoid receptor in mediating the non-genomic actions of glucocorticoids. **Poster presentation** at the 40th Hellenic Endocrine Society Meeting, Athens, Greece.
80. Nicolaides NC, Katsantoni E, Triantafyllou P, Christoforidis A, Katzos G, Kino T, Sertedaki A, Chrousos GP, Charmandari E. (2013) Transient Generalized Glucocorticoid Hypersensitivity: Clinical manifestations and transcriptomics profile. **Poster presentation** at the 40th Hellenic Endocrine Society Meeting, Athens, Greece.
81. Hurt DE, Mayama T, Charmandari E. Kino T. (2013) Structural analysis on the ligand-binding domain of the known pathologic glucocorticoid receptors reveals structure-function link in its ligand-binding pocket and activation function (AF)-2. **Poster presentation** at the 94th Endocrine Society Annual Meeting, San Francisco, CA, USA.

82. Charmandari E. (2013) Adrenals - Yearbook of Pediatric Endocrinology. **Oral presentation** at the 9th Joint Meeting of Paediatric Endocrinology, Milan, Italy (September 19 - 22, 2013).
83. Charmandari E., Zhang M, Gontijo Silveira L, Chrousos GP, Sertedaki A, Latronico AC, Segaloff DL. (2013) A case of Leydig cell hypoplasia associated with two distinct homozygous mutations of the human Luteinizing Hormone/Chorionic Gonadotropin receptor that include a novel mutation with unusual functional properties. **Oral presentation** at the 9th Joint Meeting of Paediatric Endocrinology, Milan, Italy (September 19 - 22, 2013).
84. Nicolaides NC, Geer E, Sertedaki A, Chrousos GP, Charmandari E. (2013) A novel point mutation in the ligand-binding domain of the human glucocorticoid receptor (hGR) gene causing Primary Generalized Glucocorticoid Resistance. **Oral presentation** at the 9th Joint Meeting of Paediatric Endocrinology, Milan, Italy (September 19 - 22, 2013).
85. Davies PSW, Kirk J, Lebl J, Luczay A, VanderMeulen J, Loche S, Norgren S, Kostalova L, Kim HS, Nicolino M, Charmandari E., Zieschang J, Stoyanov G. (2013) The easypodTM connect observational study (ECOS): adherence to recombinant human growth hormone (rhGH) therapy in younger and older children. **Poster presentation** at the 9th Joint Meeting of Paediatric Endocrinology, Milan, Italy (September 19 - 22, 2013).
86. Nicolaides NC, Sertedaki A, Chrousos GP, Charmandari E. (2013) Molecular mechanisms of action of the natural human glucocorticoid receptor (hGR) mutant hGR α T556I causing Primary Generalized Glucocorticoid Resistance. **Poster presentation** at the 9th Joint Meeting of Paediatric Endocrinology, Milan, Italy (September 19 - 22, 2013).
87. Sertedaki A, Nicolaides NC, Chrousos GP, Charmandari E. (2013) A novel mutation of the human glucocorticoid receptor (hGR) gene causing mild Primary Generalized Glucocorticoid Resistance. **Poster presentation** at the 9th Joint Meeting of Paediatric Endocrinology, Milan, Italy (September 19 - 22, 2013).
88. Sertedaki A, Markou A, Piaditis G, Chrousos GP, Charmandari E. (2013) Mutations of the KCNJ5 gene in patients with hypertension and increased aldosterone response to ACTH. **Poster presentation** at the 9th Joint Meeting of Paediatric Endocrinology, Milan, Italy (September 19 - 22, 2013).
89. Charmandari E. (2014) Development of a national system for the prevention and management of overweight and obesity. **Oral presentation** at the 7th State of the Art Adolescent Medicine Meeting, Athens, Greece (April 4-5, 2014).
90. Penio Kassari, Charmandari E. (2014) www.childhood-obesity.gr - information on the prevention and management of overweight and obesity. **Oral presentation** at the 7th State of the Art Adolescent Medicine Meeting, Athens, Greece (April 4-5, 2014).
91. Nicolaides NC, Roberts ML, Kino T, Katsantoni E, Sertedaki A, Chrousos GP, Charmandari E. (2014) Molecular mechanisms of non genomic glucocorticoid actions: The role of S-palmitoylation of human glucocorticoid receptor. **Poster presentation** at the 41st Hellenic Endocrine Society Meeting, Porto Cheli, Greece (May 14-17, 2014).
92. Nicolaides NC, Lamprokosopoulou A, Polyzos A, Kino T, Katsantoni E, Triantafyllou P, Christoforidis A, Katzos G, Sertedaki A, Chrousos GP, Charmandari E. (2014) Clinical presentation and transcriptomic profile of a rare case of Transient Generalized Glucocorticoid

- Hypersensitivity. **Oral presentation** at the 41st Hellenic Endocrine Society Meeting, Porto Cheli, Greece (May 14-17, 2014).
93. Nicolaides NC, Sertedaki A, Chrousos GP, Charmandari E. (2014) A novel point mutation of the human glucocorticoid receptor gene causes Primary Generalized Glucocorticoid Resistance (Chrousos syndrome) through multiple molecular mechanisms. **Poster presentation** at the 41st Hellenic Endocrine Society Meeting, Porto Cheli, Greece (May 14-17, 2014).
94. Nicolaides NC, Vlachakis D, Sertedaki A, Kossida S, Chrousos GP, Charmandari E. (2014) A novel point mutation of the human glucocorticoid receptor gene causes Primary Generalized Glucocorticoid Resistance (Chrousos syndrome) through reduced flexibility of Helix 10 of the ligand-binding domain. **Oral presentation** at the 41st Hellenic Endocrine Society Meeting, Porto Cheli, Greece (May 14-17, 2014).
95. Farakla I, Kouli E, Arditi J, Moutsatsou P, Drakopoulou M, Papassotiriou I, Chrousos GP, Charmandari E. (2014) The effect of honey on the concentrations of glucose and insulin in obese prepubertal girls. **Oral presentation** at the 41st Hellenic Endocrine Society Meeting, Porto Cheli, Greece (May 14-17, 2014).
96. Lamprokostopoulou A, Moschonis G, Manios I, Chrousos GP, Charmandari E. (2014) Obesity in childhood and adolescence is associated with shorter leukocyte telomere length. **Oral presentation** at the 41st Hellenic Endocrine Society Meeting, Porto Cheli, Greece (May 14-17, 2014).
97. Nicolaides NC, Geer EB, Vlachakis D, Sertedaki A, Bacopoulou I, Kossida S, Chrousos GP, Charmandari E. (2014) A novel point mutation of the human glucocorticoid receptor gene causes Primary Generalized Glucocorticoid Resistance through reduced flexibility of helix 10 of the ligand-binding domain of the receptor and decreased affinity for the ligand. **Poster presentation** at the 95th Endocrine Society Annual Meeting, Chicago, IL, USA.
98. Sertedaki A, Markou A, Kaltsas G, Androulakis I, Pappa T, Gouli A, Papanastasiou L, Zacharoulis A, Karavidas A, Ragkou D, Vlachakis D, Kossida S, Campanac E, Hoffman DA, De La Luz M, Xekouki P, Stratakis CA, Charmandari E. Chrousos GP, Piaditis GP. (2014) Mutations of the KCNJ5 gene in patients with hypertension and increased aldosterone response to ACTH. **Power-point Preview presentation** at the 95th Endocrine Society Annual Meeting, Chicago, IL, USA.
99. Charmandari E. (2014) Congenital Adrenal Hyperplasia. **Oral (Symposium) presentation** at the 53rd European Society for Pediatric Endocrinology Meeting, Dublin, Ireland (September 18-20, 2014).
100. Charmandari E. (2014) Adrenals - Yearbook of Pediatric Endocrinology. **Oral presentation** at the 53rd European Society for Pediatric Endocrinology Meeting, Dublin, Ireland (September 18-20, 2014).
101. Nicolaides NC, Lamprokostopoulou A, Polyzos A, Kino T, Katsantoni E, Triantafyllou P, Christophoridis A, Katzos G, Drakopoulou M, Sertedaki A, Chrousos GP, Charmandari E. (2014) Transient Generalized Glucocorticoid Hypersensitivity: Clinical manifestations, endocrinologic evaluation and transcriptomic profile: The potential role of NF-κB. **Poster presentation** at the 53rd European Society for Pediatric Endocrinology Meeting, Dublin, Ireland (September 18-20, 2014).

102. Nicolaides NC, Vlachakis D, Sertedaki A, Kossida S, Chrousos1 GP, Charmandari E. (2014) Functional characterization of a novel heterozygous point mutation in the human glucocorticoid receptor gene causing Primary Generalized Glucocorticoid Resistance. **Poster presentation** at the 53rd European Society for Pediatric Endocrinology Meeting, Dublin, Ireland (September 18-20, 2014).
103. Nicolaides NC, Roberts ML, Kino T, Katsantoni E, Sertedaki A, Chrousos GP, Charmandari E. (2014) Molecular mechanisms of nongenomic glucocorticoid actions: The role of human glucocorticoid receptor S-Palmitoylation. **Oral presentation** at the 53rd European Society for Pediatric Endocrinology Meeting, Dublin, Ireland (September 18-20, 2014).
104. Farakla I, Papadopoulos GE, Kouli E, Arditi J, Moutsatsou P, Drakopoulou M, Papasotiriou I, Chrousos GP, Charmandari E. (2014) The effect of honey on plasma glucose and insulin concentrations in obese prepubertal girls. **Poster presentation** at the 53rd European Society for Pediatric Endocrinology Meeting, Dublin, Ireland (September 18-20, 2014).
105. Fragouli T, Sertedaki A, Farakla I, Nicolaides NC, Drakopoulou M, Papasotiriou I, Chrousos GP, Charmandari E. (2014) Expression levels of the Growth-arrest-specific transcript 5 (Gas5) in overweight and obese children and adolescents. **Poster presentation** at the 53rd European Society for Pediatric Endocrinology Meeting, Dublin, Ireland (September 18-20, 2014).
106. Lamprokostopoulou A, Moschonis G, Manios I, Chrousos GP, Charmandari E. (2014) Obesity in childhood and adolescence is associated with decreased leucocyte telomere length. **Oral presentation** at the 53rd European Society for Pediatric Endocrinology Meeting, Dublin, Ireland (September 18-20, 2014).
107. Giannios C, Farakla I, Papadopoulos G, Bakopoulou I, Nicolaides NC, Papathanasiou C, Drakopoulou M, Chrousos GP, Charmandari E. (2014) The prevalence of 25-hydroxyvitamin D insufficiency and deficiency among overweight and obese children and adolescents in Greece. **Power-point Oral presentation** at the 53rd European Society for Pediatric Endocrinology Meeting, Dublin, Ireland (September 18-20, 2014).
108. Davies P, Luczay A, Charmandari E., Kirk J, Kim HS, Kostalova L, Nicolino M, Borkenstein M, Rodriguez Arnao MD, Calzada-León R, Norgren S, VanderMeulen J, Loche S, Belgorosky A, Du M, Stoyanov G, Koledova E, Zhao, Lebl J. (2015) The Easypod™ Connect Observational Study (ECOS): results from the 2014 interim analysis. **Poster presentation** at the 96th Endocrine Society Annual Meeting, San Diego, CA, USA.
109. Penio Kassari, Charmandari E. (2015) Development of a national system for the prevention and management of overweight and obesity in Greece. **Oral presentation** at the 8th State of the Art Adolescent Medicine Meeting, Athens, Greece (March 13-14, 2015).
110. Nicolaides NC, Skyrila E, Vlachakis D, Sertedaki A, Kossida S, Chrousos GP, Charmandari E. (2015) The mutant human glucocorticoid receptor hGR α T556I causes Primary Generalized Glucocorticoid Resistance (Chrousos syndrome) through reduced binding to glucocorticoids and delayed nuclear translocation. **Oral presentation** at the 42nd Hellenic Endocrine Society Meeting, Thessaloniki, Greece (May 6-10, 2015).

111. Kassari P, Papaioannou P, Charmandari E. (2015) A Systemic Approach for the Management of the Program entitled 'Development of a National System for the Prevention and Management of Overweight and Obesity in Childhood and Adolescence in Greece'. **E-Poster presentation** at the 54th European Society for Pediatric Endocrinology Meeting, Barcelona, Spain (October 1-3, 2015).
Impact Factor: 1,385
112. Nicolaides NC, Skyrta E, Vlachakis D, Psarra AMG, Sertedaki A, Kossida S, Charmandari E. (2015) The Natural Mutant Receptor hGR α T556I Causes Primary Generalized Glucocorticoid Resistance Through Decreased Affinity for the Ligand and Impaired Interaction with the GRIP1 Coactivator. **E-Poster presentation** at the 54th European Society for Pediatric Endocrinology Meeting, Barcelona, Spain (October 1-3, 2015).
Impact Factor: 1,385
113. Papadopoulos G, Farakla I, Bakopoulou S, Giannios C, Kouli E, Georgiou A, Romas S, Terzioglou E, Koniari E, Papathanasiou C, Kassari P, Nicolaides N, Critselis E, Manios Y, Charmandari E. (2015) The Effectiveness of a Comprehensive and Personalized Plan of Action in the Prevention and Management of Overweight and Obesity in Childhood and Adolescence. **E-Poster presentation** at the 54th European Society for Pediatric Endocrinology Meeting, Barcelona, Spain (October 1-3, 2015).
Impact Factor: 1,385
114. Koltsida G, Farakla I, Papanikolaou A, Kolaitis G, Mantzou E, Charmandari E. (2015) Carriers of 21- Hydroxylase Deficiency Demonstrate Increased Psychological Vulnerability to Stress. **Mini-Poster (Oral) and E-Poster presentation** at the 54th European Society for Pediatric Endocrinology Meeting, Barcelona, Spain (October 1-3, 2015).
Impact Factor: 1,385
115. Giannios C, Farakla I, Papadopoulos G, Koniari E, Papathanasiou C, Kassari P, Charmandari E. (2015) Increased prevalence of 25-hydroxyvitamin D insufficiency and deficiency among overweight and obese children and adolescents in Greece. **E-Poster presentation** at the 54th European Society for Pediatric Endocrinology Meeting, Barcelona, Spain (October 1-3, 2015).
Impact Factor: 1,385
116. Charmandari E. (2015) Adrenals - Yearbook of Pediatric Endocrinology. **Oral presentation** at the 54th European Society for Pediatric Endocrinology Meeting, Barcelona, Spain (October 1-3, 2015).
Impact Factor: 1,385
117. Charmandari E., Hindmarsh PC (2015) Discordance between the cortisol dose for replacement and that required for suppression of Androstenedione (A4) and 17-hydroxyprogesterone (17-OHP) in Congenital Adrenal Hyperplasia. **E-Poster presentation** at the 43rd Annual Meeting of the British Society for Paediatric Endocrinology and Diabetes, Sheffield, UK (November 25-27, 2015).
118. Charmandari E., Hindmarsh PC (2015) Variation in absorption and half-life of Hydrocortisone: A need to consider plasma terminal half-life in dosing schedules. **E-Poster presentation** at the 43rd Annual Meeting of the British Society for Paediatric Endocrinology and Diabetes, Sheffield, UK (November 25-27, 2015).

12. INVITED LECTURES

1. Charmandari E. (2004) Congenital adrenal hyperplasia and puberty. Invited lecture at 3rd Ferring Pharmaceuticals International Paediatric Endocrinology Symposium, Barcelona, Spain.
2. Charmandari E. (2004) Endocrinologic and psychologic evaluation of 21-hydroxylase deficient carriers and normal subjects: Evidence for physical and psychologic vulnerability to stress. Invited lecture at the 5th International Congress of Neuropsychiatry, Athens, Greece.
3. Charmandari E. (2005) Classic congenital adrenal hyperplasia and the metabolic syndrome. Invited lecture at the 39th Annual Meeting of the European Society for Clinical Investigation, Athens, Greece.
4. Charmandari E. (2006) Generalized glucocorticoid resistance: Clinical phenotype and molecular mechanisms. Invited lecture at the Cortisol Secretion Abnormalities-I Meeting [25 years studying stress mediators: A symposium honouring George P. Chrousos], Bethesda, Maryland, USA.
5. Charmandari E. (2006) Glucocorticoid resistance. Invited lecture at the 12th European Meeting of the International Society for Adolescent Health, Athens, Greece.
6. Charmandari E. (2007) Classic Congenital Adrenal Hyperplasia. Invited lecture at the Annual Meeting of the Hellenic Society for Pediatric and Adolescent Endocrinology, Athens, Greece.
7. Charmandari E. (2008) Phytoestrogens and Child Health. Invited lecture at the 41st Annual Meeting of the First Department of Pediatrics of the University of Athens, Athens, Greece.
8. Charmandari E. (2008) Cushing Syndrome. Invited lecture at the 34th Annual Meeting of the Hellenic Medical Society, Athens, Greece.
9. Charmandari E. (2008) Steroid Hormone Receptors. Invited lecture at the Annual Meeting of the Hellenic Endocrine Society, Pelion, Greece.
10. Charmandari E. (2008) Glucocorticoids and their Uses. Invited lecture at the Annual Meeting of the Hellenic Society for Pediatric and Adolescent Endocrinology, Athens, Greece.
11. Charmandari E. (2009) Genetic Forms of Obesity. Invited lecture at the 35th Annual Meeting of the Hellenic Medical Society, Athens, Greece.
12. Charmandari E. (2009) Macronodular and micronodular Adrenal Hyperplasia. Invited lecture at the Hellenic Endocrine Society Meeting on Adrenal Disorders, May 9, Athens, Greece.
13. Charmandari E. (2009) Case Presentations in Clinical Pediatric Endocrinology. Invited lecture at the 'Ef'Olis Tis Ylis' Meeting, October 10-11, Athens, Greece.
14. Charmandari E. (2009) Precocious Puberty. Invited lecture at the Annual Meeting of the Hellenic Endocrine Society, Pelion, Greece.

15. Charmandari E. (2010) Precocious breast development in girls. Invited lecture at the Annual Meeting of the Hellenic College of Pediatrics, Athens, Greece (March 2010).
16. Charmandari E. (2010) Adrenocortical tumors. Invited lecture at the Annual Meeting of the A' Department of Pediatrics, University of Athens Medical School, Athens, Greece (April 2010).
17. Charmandari E. (2010) Exercise and the Adrenals. Invited lecture at the Annual Meeting of Pediatric and Adolescent Endocrinology, University of Athens Medical School, Athens, Greece (September 2010).
18. Charmandari E. (2010) Yearbook of Pediatric Endocrinology - Adrenals. Invited lecture at the 49th European Society for Pediatric Endocrinology Meeting, Prague, Czech Republic. (September 2010).
19. Charmandari E. (2010) Precocious Puberty. Invited lecture at the 'Ef'Olis Tis Ylis' Meeting, Meeting, Athens, Greece (October 8-9, 2010).
20. Charmandari E. (2010) Case Presentations in Clinical Pediatric Endocrinology. Invited lecture at the 'Ef'Olis Tis Ylis' Meeting, Athens, Greece (October 8-9, 2010).
21. Charmandari E. (2010) Generalized glucocorticoid resistance syndrome. Invited lecture at the Mastercourse in Pediatric Endocrinology, Erasmus MC, Rotterdam, The Netherlands (October 12, 2010).
22. Charmandari E. (2011) Generalized glucocorticoid resistance and hypersensitivity states. Invited lecture at the 45th Annual Scientific Meeting of the European Society for Clinical Investigation, Heraklion, Crete, Greece (April 13-16, 2011).
23. Charmandari E. (2011) Genetic causes of obesity. Invited lecture at the 7th Annual Pediatric Meeting 'Earinai Pediatrikai Hmerai', Santorini, Greece (May 5-8, 2011).
24. Charmandari E. (2011) The role of human glucocorticoid receptor in mediating glucocorticoid signal transduction. Invited lecture at the 37th Annual Meeting of the Hellenic Medical Society, Athens, Greece (May 17-20, 2011).
25. Charmandari E. (2011) Recent advances in steroid receptor research. Invited lecture at the European Society for Pediatric Endocrinology (ESPE) Science School, Berlin, Germany (May 24-26, 2011).
26. Charmandari E. (2011). Glucocorticoids and their Therapeutic Uses. Invited lecture at the Annual Pediatric Respiratory Meeting, Ioannina, Greece (September 8-10, 2011).
27. Charmandari E. (2011) Yearbook of Pediatric Endocrinology - Adrenals. Invited lecture at the 50th European Society for Pediatric Endocrinology Meeting, Glasgow, United Kingdom (September 25-28, 2011).
28. Charmandari E. (2012). Precocious Puberty. Invited lecture at the 1st Meeting of Developmental and Behavioural Pediatrics and Adolescent Medicine, Athens, Greece (March 3-4, 2012).

29. Charmandari E. (2012). Glucocorticoids and their Therapeutic Uses. Invited lecture at the Annual Meeting of Pediatric Subspecialties, Athens, Greece (March 3-4, 2012).
30. Charmandari E. (2012) Metabolic Syndrome. Invited lecture at the 8th Annual Pediatric Meeting 'Earinai Pediatrikai Hmerai', Santorini, Greece (May 26-29, 2012).
31. Charmandari E. (2012) Primary Generalized Glucocorticoid Resistance and Hypersensitivity States. Invited lecture at the European Society for Pediatric Endocrinology (ESPE) Science School (ESS), Hraklio, Crete, Greece (May 16-20, 2012).
32. Charmandari E. (2012) 2012 Working Party on 'Disorders of Sex Development' (DSD): Evaluation report. Invited lecture at the joint 51st European Society for Pediatric Endocrinology Meeting, Leipzig, Germany (September 20-23, 2012).
33. Charmandari E. (2012) Yearbook of Pediatric Endocrinology - Adrenals. Invited lecture at the 51st European Society for Pediatric Endocrinology Meeting, Leipzig, Germany (September 20-23, 2012).
34. Charmandari E. (2012) Classic Congenital Adrenal Hyperplasia. Invited lecture at the Pediatrikes Hmeres – 3rd and 4th Pediatric Clinic, Thessaloniki, Greece (September 29-30, 2012).
35. Charmandari E. (2012) Obesity in Childhood and Adolescence. Invited lecture at the Meeting on Childhood Obesity', Athens, Greece (October 24, 2012).
36. Charmandari E. (2012) Diagnosis and treatment of acute adrenal failure. Invited lecture at the 6th Meeting of the Hellenic College of Pediatrics, Athens, Greece (November 10-11, 2012).
37. Charmandari E. (2013) The Genetics of Obesity and Type 2 Diabetes. Invited lecture at the Department of Obstetrics and Gynaecology, Aretaieion Hospital, Athens, Greece (January 8, 2013).
38. Charmandari E. (2013) Precocious and Delayed Puberty and Congenital Adrenal Hyperplasia. Invited lecture at the Hellenic Endocrine Society Course of Endocrinology Fellows, Athens, Greece (January 14-18, 2013).
39. Charmandari E. (2013) Familial Hyperaldosteronism. Invited lecture at the Hellenic Society for Pediatric Endocrinology, Athens, Greece (February 9, 2013).
40. Charmandari E. (2013) The Greek experience on the use of mekasermine in the treatment of short stature. Invited lecture at the Hellenic Society for Pediatric Endocrinology, Athens, Greece (February 9, 2013).
41. Charmandari E. (2013) Neonatal Screening for Congenital Adrenal Hyperplasia. Invited lecture at the Seminar on Genetics – 'Aghia Sophia' Children's Hospital, Athens, Greece (February 16, 2013).
42. Charmandari E. (2013) Genetics of Obesity. Invited lecture at the 16th Meeting of Intensive Training in Endocrinology – Metabolic Disorders, Athens, Greece (February 22-24, 2013).

43. Charmandari E. (2013) Genetic causes of Obesity in Childhood and Adolescence. Invited lecture at the 8th Meeting of the Hellenic Medical Society of Obesity, Thessaloniki, Greece (March 15-16, 2013).
44. Charmandari E. (2013) ESPA Program on the Prevention and Management of Overweight and Obesity in Childhood and Adolescence. Invited lecture at the 7th Meeting of the Hellenic College of Pediatrics, Athens, Greece (April 5-7, 2013).
45. Charmandari E. (2013) Therapeutic Developments - Adrenals. Invited lecture at the annual 'Therapeutic Developments' Meeting, Athens, Greece (April 27, 2013).
46. Charmandari E. (2013) Prevention and management of obesity. Invited lecture at the 46th Annual Treatment Update of the First Department of Pediatrics, University of Athens Medical School, Athens, Greece (May 11-12, 2013).
47. Charmandari E. (2013) Debate: GnRH analogs in the treatment of early puberty – No. Invited lecture at the 1st Combo Endocrinology Course, Monastery 'Evangelistria', Viotia, Greece (September 11-14, 2013).
48. Charmandari E. (2013) Yearbook of Pediatric Endocrinology - Adrenals. Invited lecture at the 9th Joint Meeting of Pediatric Endocrinology, Milan, Italy (September 19-22, 2012).
49. Charmandari E. (2013) ESPA Program on the Prevention and Management of Overweight and Obesity in Childhood and Adolescence. Invited lecture at the Meeting on Health and Prevention in Greece, Athens, Greece (October 11-12, 2013).
50. Charmandari E. (2013) Precocious puberty. Invited lecture at the 'Ef'Olis Tis Ylis' Meeting, Athens, Greece (October 11-12, 2013).
51. Charmandari E. (2013) Newborns with ambiguous genitalia. Invited lecture at the 17th Panhellenic Congress of Perinatal Medicine, Athens, Greece (November 1-3, 2013).
52. Charmandari E. (2013) Development of a National System for the prevention and management of overweight and obesity in childhood and adolescence in Greece. Invited lecture at the 12th Panhellenic Meeting of Nutrition and Dietetics, Athens, Greece (December 5-8, 2013).
53. Charmandari E. (2014) The use of liraglutide in obesity. Invited lecture at the Novonordisk Meeting, Athens, Greece (March 7-8, 2014).
54. Charmandari E. (2014) Newborns with ambiguous genitalia: Diagnosis and management. Invited lecture at the 8th Meeting of the Hellenic College of Pediatrics, Athens, Greece (March 21-22, 2014).
55. Charmandari E. (2014) Childhood obesity. Invited lecture at the 10th Panhellenic Congress of Public Health, Athens, Greece (March 31-April 2, 2014).
56. Charmandari E. (2014) Development of a national system for the prevention and management of obesity in childhood and adolescence. Invited lecture at the 7th State of The Art Adolescent Medicine Course, Athens, Greece (April 4-7, 2014).

57. Charmandari E. (2014) Greek reality in childhood obesity and current preventive strategies. Invited lecture at the European Scientific Meeting on Maternal and Infant Nutrition, Athens, Greece (April 5, 2014).
58. Charmandari E. (2014) Obesity in childhood and adolescence. Invited lecture at the 10th Annual Pediatric Meeting 'Earinai Pediatrikai Hmerai', Nafplio, Greece (April 10-13, 2014).
59. Charmandari E. (2014) Prevention and management of obesity in childhood and adolescence. Invited lecture at the Nestle Hellenic College of Pediatrics Meeting, Costa Navarino, Greece (May 3, 2014).
60. Charmandari E. (2014) Recent advances in the molecular mechanisms determining tissue sensitivity to glucocorticoids. Invited lecture at the 41st Hellenic Endocrine Society Meeting, Porto Cheli, Greece (May 14-17, 2014).
61. Charmandari E. (2014) Adrenal Insufficiency. Invited lecture at the ESPE Summer School of the 53rd European Society for Pediatric Endocrinology Meeting, Dublin, Ireland (September 14-17, 2014).
62. Charmandari E. (2014) Congenital Adrenal Hyperplasia. Invited (Symposium) lecture at the 53rd European Society for Pediatric Endocrinology Meeting, Dublin, Ireland (September 18-20, 2014).
63. Charmandari E. (2014) Adrenals - Yearbook of Pediatric Endocrinology. Invited lecture at the 53rd European Society for Pediatric Endocrinology Meeting, Dublin, Ireland (September 18-20, 2014).
64. Charmandari E. (2014) Development of a national system for the prevention and management of obesity in childhood and adolescence. Invited lecture at the 1st Panhellenic Congress on Diabetes, Metabolic Syndrome and Obesity, Athens, Greece (October 10-12, 2014).
65. Charmandari E. (2014) Circadian endocrine rhythms: The HPA axis and its actions. Invited lecture at the International Congress on Stress, Chronic Inflammation and Nutrition, Venice, Italy (October 17-18, 2014).
66. Charmandari E. (2015) The year in Pediatric Endocrinology. Invited lecture at the Annual Endorama Meeting, Patras, Greece (January 30-31, 2015).
67. Charmandari E. (2015) Assessment of the effectiveness of interventions of diet and exercise in overweight and obese children and adolescents. Invited lecture at the 9th Meeting of the Hellenic College of Pediatrics, Athens, Greece (March 13-14, 2015).
68. Charmandari E. (2015) Assessment of the effectiveness of interventions of diet and exercise in overweight and obese children and adolescents. Invited lecture at the 9th Meeting of the Hellenic College of Pediatrics, Athens, Greece (March 13-14, 2015).
69. Charmandari E. (2015) Early puberty: Is treatment with GnRH analogues necessary? Invited lecture at the 48th Annual Treatment Update of the First Department of Pediatrics, University of Athens Medical School, Athens, Greece (April 17-19, 2015).

70. Charmandari E. (2015) Rare causes of adrenal failure. Invited lecture at the IPOKRATES Meeting, Athens, Greece (April 20-22, 2015).
71. Charmandari E. (2015) Prevention and management of childhood obesity in our country: Development of a national system for documentation and therapeutic management. Invited lecture at the Novonordisk Meeting, Athens, Greece (April 24-25, 2015).
72. Charmandari E. (2015) Clinical Research. Invited lecture at the ESPE Science School Meeting, Annecy, France (June 3-6, 2015).
73. Charmandari E. (2015) Development of a national system for documentation and therapeutic management of childhood obesity. Invited lecture at the 41st Panhellenic Medical Society Meeting, Athens, Greece (June 10-13, 2015).
74. Charmandari E. (2015) Growth Hormone insufficiency and treatment in survivors of childhood malignancy. Invited lecture at the 41st Panhellenic Medical Society Meeting, Athens, Greece (June 10-13, 2015).
75. Charmandari E. (2015) Prevention and management of childhood obesity: Development of a National System of electronic documentation and therapeutic guidance. Invited lecture at the 13th Panhellenic Meeting of Nutrition and Dietetics, Athens, Greece (November 27-29, 2015).
76. Charmandari E. (2015) Development of a National System for the prevention and management of overweight and obesity in childhood and adolescence in Greece. Invited lecture at the eHealth Forum 2015, Athens, Greece (December 3-4, 2015).
77. Charmandari E. (2015) Congenital adrenal hyperplasia: Transition to adulthood. Invited lecture at the Hellenic Pediatric Endocrinology Meeting on Gonadal Disorders, Athens, Greece (December 12, 2015).
78. Charmandari E. (2016) Congenital adrenal hyperplasia. Invited lecture at the Hellenic Pediatric Endocrinology Meeting, Athens, Greece (February 27-28, 2016).

13. RESEARCH FUNDING

1. Charmandari E (PI), Chrousos GP (Co-PI). Functional characterization of the human glucocorticoid receptor mutations, F737L and D401H, causing generalized glucocorticoid resistance – *General Secretariat of Research and Development*, Athens, Greece – 78,000 Euros; 2007 – 2009.
2. Chrousos GP (PI), Charmandari E (Co-PI). Gas5 and Obesity – *Ministry of Health*, Athens, Greece– 10,000 Euros; 2009 - 2010.
3. Chrousos GP (PI), Charmandari E (Co-PI). Molecular mechanisms of membrane glucocorticoid receptor action – *Hrakleitos, Ministry of Education*, Athens, Greece – 45,000 Euros; 2010 - 2013.

4. Charmandari E (PI). Molecular mechanisms of nongenomic glucocorticoid actions – *Hellenic Endocrine Society*, Athens, Greece – 5,000 Euros; 2011 - 2012.
5. Chrousos GP (PI), Charmandari E (Co-PI). Molecular mechanisms and clinical implications of glucocorticoid receptor action – *Thalis, Ministry of Education*, Athens, Greece – 600,000 Euros; 2011 – 2015.
6. Charmandari E (PI). Prevention and management of overweight and obesity in childhood and adolescence – *ESPA, Ministry of Health*, Athens, Greece – 1,000,000 Euros; 2012 – 2014.
7. Charmandari E (PI). Molecular mechanisms determining tissue sensitivity to glucocorticoids – *Hellenic Endocrine Society*, Athens, Greece – 5,000 Euros; 2013 - 2014.

14. TEACHING

A. UNDERGRADUATE EDUCATION

- Regular Teaching of the Undergraduate Students in Molecular Endocrinology and Cellular Biology at the Biomedical Research Foundation of the Academy of Athens (2007 – Present)
- Regular Teaching of Medical Students in Pediatric and Adolescent Endocrinology according to the Program defined by the University of Athens and the First Department of Pediatrics, ‘Aghia Sophia’ Children’s Hospital (2009 – Present)
- Examination of Medical Students in General Pediatrics (2011 – Present)
- Teaching of Medical Students in the Elective Course ‘Clinical Endocrinology’ – Scientific Supervisor: Professor Evanthia Diamanti-Kandarakis (2012 – Present)
- Teaching of Medical Students in the Elective Course ‘Pediatric Psychiatry’ – Scientific Supervisor: Associate Professor Gerasimos Kolaitis (2013 – Present)

B. POSTGRADUATE EDUCATION

- Regular Teaching of the Senior House Officers (Residents) in General Pediatrics, as well as participation in their preparation for the specialty examinations (2009 – Present)
- Regular Teaching of the Fellows in Endocrinology (2011 – Present)
- Regular Teaching at the Annual Intensive Course in Endocrinology (2012 – Present)
- Regular Teaching of the MSc and PhD Students in Molecular Endocrinology and Cellular Biology at the National Institute of Child Health and Human Development, National Institutes of Health (2000-20004)
- Regular Teaching of the Postgraduate Students in Molecular Endocrinology and Cellular Biology at the Biomedical Research Foundation of the Academy of Athens (2007 – Present)
- Teaching of the MSc Students of the Postgraduate Course ‘Research in Reproductive Endocrinology’ – Scientific Supervisor: Associate Professor George Mastorakos (2008 – Present)
- Teaching of the MSc Students of the Postgraduate Course ‘Molecular and Applied Physiology’ – Scientific Supervisor: Professor Michael Koutsilieris (2012 – Present)

- Participation and organization of the Postgraduate Program of the European Society for Clinical Investigation entitled ‘Steroid Receptors’ (Heraklio, Crete, 2011)
- Participation and organization of the Postgraduate Program of the European Society for Pediatric Endocrinology (ESPE) entitled ‘The New Inroads to Child Health (NICHe) Conference’ (Heraklio, Crete, 2012)
- Participation and organization of the Postgraduate Program of the European Society for Pediatric Endocrinology (ESPE) entitled ‘ESPE Science School’ (Heraklio, Crete, 2012)
- Participation and organization of the Postgraduate Program entitled ‘Optimal nutrition in infancy and childhood’ (Costa Navarino, May, 2014)

C. SUPERVISION OF MSc STUDENTS, PhD STUDENTS AND POSTDOCTORAL SCIENTISTS

- Main Scientific Supervisor of two (2) MSc Students, who have completed their MSc Course:
 - **Terpsichori Fragouli, BSc** (BSc 2011, Biology, University of Athens): Sept 2012 – Sept 2013
 - *Research Project:* Determination of the role of non coding RNA Gas5 in nutritional disorders
 - *Present Post:* Postgraduate Student, Centre for Endocrinology, William Harvey Research Institute, Bart’s and the London School of Medicine and Dentistry, Queen Mary University of London, London, UK
 - **Zoi Galata, BSc** (BSc 2007, Biology, University of Athens): Sept 2008 – Sept 2009
 - *Research Project:* Proteomic analysis in overweight and obese children
 - *Present Post:* PhD Student, Division of Cellular Biology, Center for Basic Research I, Biomedical Research Foundation of the Academy of Athens, Athens, Greece
- Main Scientific Supervisor of one (1) PhD Student, who has completed his PhD Course:
 - **Nicolas Nicolaidis, MD** (MD 2007, Medical School, University of Patras): Jan 2010 – Sept 2013
 - *Research Project:* Cellular biology of the glucocorticoid signal transduction: *In vitro* studies
 - *Present Post:* Postdoctoral Scientist, Division of Endocrinology and Metabolism, Centre for Translational Research, Biomedical Research Foundation of the Academy of Athens, Athens, Greece
- Main Scientific Supervisor of four (4) PhD Students, who are currently during their PhD Course:
 - **Evangelia Kolia, BSc, MSc** (BSc 1979, University of Alberta, Canada): March 2011 – Present
 - *Research Project:* The effect of Vitamin D and Omega 3 supplementation in patients with Polycystic Ovarian Syndrome (PCOS): A prospective study
 - **Ioanna Farakla, MD** (MD 2009, Medical School, University of Athens): Jan 2012 – Present
 - *Research Project:* The effect of honey on plasma glucose and serum insulin concentrations in obese prepubertal girls
 - **Christos Giannios, MD** (MD 2007, Medical School, Aristotle University of Thessaloniki): Sept 2012 – Present

- *Research Project:* The role of Vitamin D in ameliorating the metabolic derangements in obese children and adolescents
- **Sofia Genitsaridi, MD** (MD 2012, Medical School, University of Patras): Sept 2015 – Present
 - *Research Project:* The effectiveness of a comprehensive and personalized plan of action in the prevention and management of overweight and obesity in childhood and adolescence
- Main Scientific Supervisor of three (2) Postdoctoral Scientists, who are currently during their Postdoctoral Fellowship:
 - **Agaristi Lamprokostopoulou, BSc, PhD** (PhD 2010, Karolinska Institutet, Sweden): Dec 2012 – Present
 - *Research Project:* Determination of the *in vivo* role of Gas5 in transgenic animal models
 - **Eleni Koniari, PhD** (PhD 2009, Medical School, University of Athens): Sept 2013 – Present
 - *Research Project:* Determination of the role of mutations in the KCNJ5, ATP1A1 and ATP2B3 gene in Primary Hyperaldosteronism

15. ADMINISTRATIVE DUTIES

1. Deputy Chief, Division of Endocrinology and Metabolism, First Department of Pediatrics, University of Athens Medical School, 'Aghia Sophia' Children's Hospital (2011 – Present)
2. Chief, Laboratory of Endocrinology, Division of Endocrinology, Metabolism and Diabetes, First Department of Pediatrics, University of Athens Medical School, 'Aghia Sophia' Children's Hospital (2011 – Present)
3. Co-chief (with Professor George Chrousos), Laboratory of Molecular Endocrinology and Cellular Biology, Division of Endocrinology and Metabolism, Biomedical Research Foundation of the Academy of Athens (2007 – Present)
4. Scientific Supervisor (PI) and Coordinator of the Program 'Development of a National System for the Prevention and Management of Overweight and Obesity in Childhood and Adolescence' (2013 – Present)
5. Scientific Supervisor and Coordinator of the Program 'Molecular Mechanisms and Clinical Implications of Glucocorticoid Receptor Action' (2011 – Present)
6. Scientific Supervisor and Coordinator of the Elective Course 'Pediatric and Adolescent Endocrinology' (2013 – Present)
7. Consultant in Pediatric and Adolescent Endocrinology, St. James's University Hospital and Leeds General Infirmary, Leeds, UK (July 2006 – April 2007).

16. ORGANIZATION OF CONFERENCES

1. Kino T, Charmandari E, Chrousos GP. Basic and clinical implications of glucocorticoid action – Focus on Development. July 17-18, 2003. National Institutes of Health, Bethesda, Maryland, USA.
2. Charmandari E. Workshop on Steroid Receptors - European Society for Clinical Investigation Meeting, Heraklio, Crete, Greece; April 14-16, 2011.
3. Theodoridou M, Charmandari E, Chrousos GP. Joint UK - Greek Pediatric Meeting, Athens, Greece; May 28-29, 2011.
4. Chrousos GP, Charmandari E, Carel JA, Achermann JC, Soder O. The European Society for Pediatric Endocrinology (ESPE) Science School (ESS), Heraklio, Crete, Greece; May 16-17, 2012.
5. Chrousos GP, Charmandari E, Carel JA, Achermann JC, Soder O. The New Inroads to Child Health (NICHe) Conference, Heraklio, Crete, Greece; May 18-20, 2012.
6. Charmandari E, Chrousos GP, Abrahamian A, Vazaiou A. Conference on Childhood Obesity, Athens, Greece, October 24, 2012.
7. Charmandari E. Development of a National System for the Prevention and Management of Overweight and Obesity in Childhood and Adolescence. Athens, Greece; June 5, 2013.
8. Charmandari E. Prevention and management of overweight and obesity in childhood and adolescence. Athens, Greece; October 24, 2013.

17. MEMBERSHIP IN EDITORIAL BOARDS AND SOCIETY BOARDS

1. Associate Editor, *Pediatrics* (2008 – 2011)
2. Associate Editor, *Clinicae Paediatricae Universitatis Atheniensis* (2009 – Present)
3. Associate Editor, *Yearbook of Pediatric Endocrinology* (2010 – Present)
4. Chair, Committee for Approval of Growth Hormone Treatment (2011 – Present)
5. Secretary General, Hellenic College of Pediatrics (2014 – Present)

18. MEMBERSHIP IN COMMITTEES AND SOCIETIES

1. The Endocrine Society (2000 – Present)
2. European Society for Pediatric Endocrinology (ESPE) (1998 – Present)
3. ESPE Clinical Practice Committee (2011 – Present)
4. ECOS International Scientific Steering Committee (2011 – Present)
5. ESPE Science School Committee (2013 – Present)
6. Hellenic College of Pediatrics (2011 – Present)
7. Hellenic Society for Pediatric and Adolescent Endocrinology (2008 – Present)
8. Hellenic Endocrine Society (2008 – Present)

9. Hellenic Medical Society for Obesity (2008 – Present)
10. Society for Endocrinology (1998 – 2012)
11. British Society for Pediatric Endocrinology and Diabetes (1998 – 2012)
12. Knowledge Network Forum on the Advances of Growth Hormone Research (2010-2012)
13. European Society for Clinical Investigation (2012 – 2014)

REFERENCES

1. Professor George P. Chrousos
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