

**BIOGRAPHICAL SKETCH**

NAME	<b>Dermitzaki, Eirini</b>	POSITION TITLE	<b>E.DI.P.</b>
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**EDUCATION**

INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
○ Chemistry Dept, Univ. of Crete, Heraklion, Greece	BSc	1995	Chemistry
○ Medicine Dept, Univ. of Crete, Heraklion, Greece	PhD	2002	Clinical Chemistry-Biochemistry

**TEACHING EXPERIENCE**

INSTITUTION AND LOCATION	YEAR(s)	FIELD OF TEACHING
○ Medicine Dept., Univ. of Crete, Heraklion, Greece	1996 - present	Training undergraduate, MSc, PhD students and post-doctoral fellows
○ Medicine Dept., Univ. of Crete, Heraklion, Greece	1997 - 2002	Laboratory Course in “Laboratory Medicine” (Undergraduate MD program)
○ Floriculture & Greenhouse Crops Dept., TEI Crete, Heraklion, Greece	2003 - 2007	Laboratory Course in “Chemistry” (Undergraduate program)
○ Crop Science Dept., TEI Crete, Heraklion, Greece	2003 - 2007	Laboratory Course in “Chemistry” (Undergraduate program)
○ Medicine Dept., Univ. of Crete, Heraklion, Greece	2005 - 2007	Lectures in “Laboratory Medicine” (Undergraduate MD program)
○ Medicine Dept., Univ. of Crete, Heraklion, Greece	2011 - present	Lectures in “Neuroendocrinology” (Interdepartmental Graduate Program in the BRAIN AND MIND sciences)
○ Medicine Dept., Univ. of Crete & PAGNH	2011 - present	Lectures in “Biochemistry” (Educational program of Surgical-Nursing specialty)
○ Medicine Dept., Univ. of Crete, Heraklion, Greece	2013 - present	Lectures in “Physiology of the HPA axis” (Interdepartmental Graduate Program in NEUROSCIENCES)
○ Medicine Dept., Univ. of Crete, Heraklion, Greece	2015 - present	Laboratory course “Graduate Lab” (Interdepartmental Graduate Program in "Molecular basis of Human Diseases")

**RESEARCH EXPERIENCE**

INSTITUTION AND LOCATION	POSITION	YEAR(s)	FIELD OF STUDY
○ Medicine Dept., Univ. of Crete, Heraklion, Greece	Post Doc Fellow	2002-2008	Neuroendocrinology
○ Max Planck Inst. for Experimental Medicine, Goettingen, Germany	Visiting Researcher	2005	Molecular Neuroendocrinology
○ Centre des Cordeliers, Paris, France	Visiting Researcher	2009	Nutriomics
○ Medicine Dept., Univ. of Crete, Heraklion, Greece	Tenure scientist-IDAX	2008-present	Obesity, Immunology, Neuroendocrinology

**RESEARCH FUNDING**

**PUBLICATIONS**

1. Vafeiadi M, Roumeliotaki T, Myridakis A, Chalkiadaki G, Fthenou E, **Dermitzaki E**, Karachaliou M, Sarr K, Vassilaki M, Stephanou EG, Kogevas M, Chatzi L. Association of Early Life Exposure to Bisphenol A with Obesity and Cardiometabolic Traits in Childhood. *Environmental Research*, 2016 Apr;146:379-87 (IF 4.373)
2. Tsatsanis C, **Dermitzaki E**, Avgoustinaki P, Malliaraki N, Mytaras V, Margioris AN (2015) The impact of adipose tissue-derived factors on the hypothalamic-pituitary-gonadal (HPG) axis. *Hormones (Athens)*, 14(4):549-562 (IF: 2.497)
3. Barberaki M, **Dermitzaki E**, Margioris AN, Theodosaki M, Grafakos S, Kintzios S. Protein extracts from somaclonal mistletoe (*Viscum album* L.) callus with increased tumor cytotoxic activity in vitro. *Current Bioactive Compounds*, 2015, 11, 104-108
4. Tsatsanis C, Bobjer J, Rastkhani H, **Dermitzaki E**, Katrinaki M, Margioris AN, Giwercman Y, Giwercman A. Serum miR-155 as a potential biomarker of male fertility. *Human Reproduction (IF: 4.585)*
5. Karachaliou M, Georgiou V, Roumeliotaki T, Chalkiadaki G, Daraki V, Koinaki S, **Dermitzaki E**, Sarri K, Vassilaki M, Kogevas M, Oken E, Chatzi L. Association of trimester-specific gestational weight gain with fetal growth, offspring obesity, and cardiometabolic traits in early childhood. *Am J Obstet Gynecol*, 2014 Dec 31. pii: S0002-9378(14)02497-1. doi: 10.1016/j.ajog.2014.12.038 (IF: 3.973).
6. Spyridaki EC, Simos P, Avgoustinaki PD, **Dermitzaki E**, Venihaki M, Bardos AN, Margioris AN. The association between obesity and fluid intelligence impairment is mediated by chronic low-grade inflammation. *British Journal of Nutrition (IF=3.302)*
7. Markaki A, Gkouskou K, Stylianou K, **Dermitzaki E**, Perakis K, Margioris AN, Daphnis E. Relationship between adiposity, adipokines, inflammatory markers and lipid profile in hemodialysis patients. *European Review for Medical and Pharmacological Sciences*, 2014 May;18(10):1496-8. (IF=1.093)
8. **Dermitzaki E**, Liapakis G, Androulidaki A, Venihaki M, Tsatsanis C, and Margioris AN. The corticotrophin releasing factor (CRF) family of neuropeptides differentially affects the differentiation and the inflammatory phenotype of 3T3L1 adipocytes in a paracrine manner. *Plos ONE*, 2014 May 16;9(5):e97060 (IF=3.730)
9. **Dermitzaki E**, Tsatsanis C, Gravanis A, Margioris AN. The Calcineurin-Nuclear Factor of Activated T cell signalling pathway mediates the effect of Corticotropin Releasing Factor and urocortins on catecholamine synthesis (*Journal of Cellular Physiology*, 2012;227: 1861–1872) (IF=5.22)
10. Arranz A, Venihaki M, Mol B, Androulidaki A, **Dermitzaki E**, Rassouli O, Ripoll J, Stathopoulos N, Gomariz RP, Margioris AN\* and Tsatsanis C\*. The impact of stress on tumor growth: peripheral CRF mediates tumor-promoting effects of stress. *Mol Cancer*, 2010;9:261 (IF=3.693)

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11. Androulidaki A, **Dermitzaki E**, Venihaki M, Karagianni E, Rassouli O, Andreakou E, Stournaras C, Margioris AN, Tsatsanis C. Corticotropin Releasing Factor promotes breast cancer cell motility and invasiveness. *Mol Cancer*, 2009;8:30-35 (IF=3.693)
12. Tsatsanis C, **Dermitzaki E**, Venihaki M, Chatzaki E, Gravanis A, Margioris AN (2007) The corticotropin-releasing factor (CRF) family of peptides as local modulators of adrenal function. *Cellular Mol Life Sci*, 64(13):1638-55 (IF=5.24)
13. **Dermitzaki E**, Tsatsanis C, Minas V, Chatzaki E, Charalampopoulos I, Venihaki M, Androulidaki A, Lambropoulou M, Spiess J, Michalodimitrakis E, Gravanis A, Margioris AN (2007) Corticotropin-releasing factor (CRF) and the Urocortins differentially regulate catecholamine secretion in human and rat adrenals, in a CRF receptor type-specific manner. *Endocrinology*, 148(4):1524-38 (IF=5.236)

14. Charalampopoulos I, Alexaki VI, Tsatsanis C, Minas V, **Dermitzaki E**, Lazaridis I, Vardouli L, Stournaras C, Margioris AN, Castanas E, Gravanis A. (2006) Neurosteroids as Endogenous Inhibitors of Neuronal Cell Apoptosis in Aging. *Ann NY Acad Sci*, 1088:139-52 (*IF=1.8*)
15. Tsatsanis C, Zacharioudaki V, Androulidaki A, **Dermitzaki E**, Charalampopoulos I, Minas V, Gravanis A and Margioris AN (2006) Peripheral Factors in the Metabolic Syndrome. The Pivotal Role of Adiponectin. *Ann NY Acad Sci*, 1083:185-95 (*IF=1.8*)
16. Tsatsanis C, Androulidaki A, **Dermitzaki E**, Gravanis A and Margioris AN (2007) Corticotropin Releasing Factor receptor 1 (CRF1) and CRF(2) Agonists exert an anti-inflammatory effect during the early phase of inflammation suppressing LPS-induced TNF-alpha release from macrophages via induction of COX-2 and PGE(2). *J Cell Physiol*, 210(3):774-83. (*IF=5.22*)
17. **Dermitzaki E**, Tsatsanis C, Alexaki VI, Castanas E, Margioris AN (2004) Roles of Protein Kinase A (PKA) and PKC on Corticotropin-Releasing Hormone (CRH)-Induced Elevation of Cytosolic Calcium from Extra- and Intra-cellular Sources. *Hormones (Athens)*, 3(4):252-258. (*IF: 2.497*)
18. Alexaki VI, **Dermitzaki E**, Charalampopoulos I, Kampa M, Nifli AP, Gravanis A, Margioris AN, Castanas E (2006) Neuronal differentiation of PC12 cells abolishes the expression of membrane androgen receptors. *Exp Cell Res*, 312(15):2745-56. (*IF: 4.0*)
19. Tsatsanis C\*, Androulidaki A\*, Alissafi T, Charalampopoulos I, **Dermitzaki E**, Roger T, Gravanis A, Margioris AN (2006) Corticotropin- Releasing Factor and the Urocortins Induce the Expression of TLR4 in Macrophages via Activation of the Transcription Factors PU.1 and AP-1. *J Immunol*, 176(3): 1869-77. (*IF:6.486*)
20. Charalampopoulos I, Alexaki VI, Lazaridis I, **Dermitzaki E**, Avlonitis N, Tsatsanis C, Calogeropoulou T, Margioris AN, Castanas E and Gravanis A (2006) G protein-associated, specific membrane binding sites mediate the neuroprotective effect of Dehydroepiandrosterone. *FASEB J*, 20(3):577-9. (*IF=6.82*)
21. Tsatsanis C, Zacharioudaki V, Androulidaki A, **Dermitzaki E**, Charalampopoulos I, Minas V, Gravanis A, Margioris AN (2005) Adiponectin induces TNF- $\alpha$  and IL-6 in macrophages and promotes tolerance to itself and other pro-inflammatory stimuli. *BBRC*, 335(4): 1254-1263. (*IF=2.9*)
22. Tsatsanis C\*, Androulidaki A\*, **Dermitzaki E**, Charalampopoulos I, Spiess J, Gravanis A, Margioris AN (2005) Urocortin 1 and Urocortin 2 induce macrophage apoptosis via CRFR2 receptor. *FEBS Lett*, 579(20):4259-64. (*IF:3.843*)

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23. Charalampopoulos I, **Dermitzaki E**, Vardouli L, Tsatsanis C, Stournaras C, Margioris AN, Gravanis A (2005) Dehydroepiandrosterone sulfate and allopregnanolone directly stimulate catecholamine production via induction of tyrosine hydroxylase and secretion by affecting actin polymerization. *Endocrinology*, 146(8):3309-18. (*IF= 5.236*)
24. **Dermitzaki E**, Tsatsanis C, Charalampopoulos I, Androulidaki A, Alexaki I, Castanas E, Gravanis A, Margioris AN (2005) Corticotropin-Releasing Hormone Activates Protein Kinase C in an isoenzyme-specific manner. *BBRC*, 327(3): 828-836. (*IF=2.9*)
25. Charalampopoulos I, Tsatsanis C, **Dermitzaki E**, Alexaki VI, Castanas E, Margioris AN, Gravanis A (2004) Dehydroepiandrosterone and allopregnanolone protect sympathoadrenal medulla cells against apoptosis, via antiapoptotic Bcl-2 proteins. *Proc Natl Acad Sci USA*, 101(21): 8209-14. (*IF=10.5*)
26. **Dermitzaki E**, Tsatsanis C, Gravanis A, Margioris AN (2002) Corticotropin-Releasing Hormone induces Fas ligand production and apoptosis in PC12 cells via activation of p38 mitogen-activated protein kinase. *J Biol Chem*, 277(14): 12280-7. (*IF=6.36*)
27. **Dermitzaki E**, Gravanis A, Venihaki M, Stournaras C, Margioris AN (2001) Opioids suppress basal and nicotine-induced catecholamine secretion via a stabilizing effect on actin filaments. *Endocrinology*, 142(5): 2022-31 (*IF=5.236*)

28. Zoumakis E, Margioris AN, Stournaras C, **Dermitzaki E**, Angelakis E, Makrigiannakis A, Koumantakis E, Gravanis A (2000) Corticotrophin-releasing hormone (CRH) interacts with inflammatory prostaglandins and interleukins and affects the decidualization of human endometrial stroma. *Mol Hum Reprod*, 6(4): 344-51. (*IF = 3.1*)
29. **Dermitzaki E**, Chatzaki E, Gravanis A, Margioris AN (2000) Opioids transiently prevent activation of apoptotic mechanisms following short periods of serum withdrawal. *J Neurochem*, 74(3): 960-9. (*IF = 4.835*)
30. Kampa M, Margioris AN, Hatzoglou A, **Dermitzaki E**, Denizot A, Henry J-F, Oliver C, Gravanis A, Castanas E (1999) kappa1–opioid binding sites are the dominant opioid binding sites in surgical specimens of human pheochromocytomas and in a human pheochromocytoma (KAT45) cell line. *Eur J Pharmacol*, 364(2-3): 255-262. (*IF=2.4*)
31. Venihaki M, Ain K, **Dermitzaki E**, Gravanis A, Margioris AN (1998) KAT45, a noradrenergic human pheochromocytoma cell line producing corticotropin-releasing hormone. *Endocrinology*, 139(2): 713-22. (*IF:5.151*)

#### **PUBLICATIONS NOT CITED IN PUBMED**

1. **Dermitzaki E**, Androulidaki A, Tsatsanis C, Gravanis A, Margioris A. Corticotrophin releasing factor affects the expression of TLR4 receptor in adipocytes. *Review of Clinical Pharmacology and Pharmacokinetics, International Edition*, 24(2), pp. 138-139, 2010
2. Tsatsanis C, Zacharioudaki V, Androulidaki A, **Dermitzaki E**, Charalampopoulos I, Minas V, Gravanis A, Margioris A. Adiponectin and pro-inflammatory stimuli. *International Journal of Obesity*, 31, S5, 2007
3. Charalampopoulos I, **Dermitzaki E**, Vardouli L, Tsatsanis C, Stournaras C, Margioris A, Gravanis A. Neurosteroids directly stimulate neuroprotective catecholamine synthesis and secretion. IUBMB 50th Anniversary Symposium, JUL 02-07, 2005, *FEBS Journal* 272: 52, Suppl. 1 JUL 2005.
4. Charalampopoulos I, **Dermitzaki E**, Vardouli L, Tsatsanis C, Stournaras C, Margioris AN, Gravanis A. Neurosteroids directly affect catecholamine synthesis and secretion. *European Journal of Clinical Investigation*, Vol 35, Suppl 2, 2005.
5. Charalampopoulos I, Tsatsanis C, **Dermitzaki E**, Alexaki VI, Castanas E., Margioris AN, Gravanis A. DHEA actions on adrenal medulla and aging. *European Journal of Clinical Investigation*, Vol 35, Suppl 2, 2005.
6. Charalampopoulos I, Alexaki VI, Minas V, **Dermitzaki E**, Tsatsanis C, Margioris AN, Castanas E, Gravanis A. Neurosteroids in neuroprotection. *Hellenic Medical and Pharmaceutical Review*, Vol 2(1), pp 50-55, 2005.
7. Charalampopoulos I, Alexaki VI, Lazaridis I., **Dermitzaki E**, Avlonitis N, Calogeropoulou T, Margioris A, Castanas E, Gravanis A. G protein-associated, specific membrane binding sites mediate the neuroprotective effect of Dehydroepiandrosterone. *Newsletter of The 57th Meeting of Hellenic Society of Biochemistry and Molecular Biology*, 2005.
8. Alissafi T, Tsatsanis C, Androulidaki A, Charalampopoulos I, **Dermitzaki E**, Gravanis A, Margioris A. Corticotropin-releasing factor (CRF) and the urocortins induce the expression of TLR-4 in macrophages via activation of the transcription factor PU.1. *FEBS Journal*, 272: 288 Suppl. 1 JUL 2005
9. Gravanis A, Tsatsanis C, Makrigiannakis A, Chatzaki E, Charalampopoulos I, **Dermitzaki E**, Margioris AN. CRH Peptides in Inflammation. *Journal of Peptide Science*, Vol 10, 2004
10. Charalampopoulos I, **Dermitzaki E**, Vardouli L, Tsatsanis C, Stournaras C, Margioris AN, Gravanis A. Neurosteroids stimulate catecholamine secretion and synthesis in adrenomedullary cells. *Newsletter of The 56th Meeting of Hellenic Society of Biochemistry and Molecular Biology*, 2004.
11. Charalampopoulos I, **Dermitzaki E**, Tsatsanis C, Alexaki I, Castanas E, Margioris AN, Gravanis A. Neurosteroids protect sympathoadrenal cells against apoptosis, activating multiple survival signals. *Newsletter-Proceedings of the 55th Meeting of Hellenic Society of Biochemistry and Molecular Biology*, 2003.

#### **CHAPTERS IN BOOKS**

1. Margioris AN, **Dermitzaki E**, Venihaki M, Gravanis A (2001) Interleukin (IL)-1 family of cytokines and corticotropin-releasing hormone (CRH) in the adrenal gland. In: Adrenal Disorders. Margioris AN & Chrousos GP, (eds). Humana Press, 131-142.

2. Margioris AN, **Dermitzaki E**, Venihaki M, Tsatsanis C (2013) Chronic low grade inflammation. In: Diet, immunity and inflammation. Philip C. Calder & Parveen Yaqoob, (eds). Woodhead Publishing Series in Food Science, Technology and Nutrition No. 232.
3. Margioris AN, Androulidaki A, **Dermitzaki E**, Venihaki M, Tsatsanis C (2011) Hormones and immune system. In: Pathology of the Lymphatic system. Tsakraklidis V. Creative & Printing Applications M.E.P.E.

**INVITED ORAL PRESENTATIONS: 14**

**ABSTRACTS IN CONFERENCES: 83**

**CONFERENCE PROCEEDINGS**

1. **Dermitzaki E**, Androulidaki A, Tsatsanis C, Gravanis A, Margioris AN (2010) Corticotrophin Releasing Factor affects the expression of TLR4 receptor in adipocytes. Review of Clinical Pharmacology and Pharmacokinetics, International Edition, 24(2): 138-139.