

General Information	
Name	Ekaterini Chatzaki
Rank/Title	Assistant Professor
Topic/Specialty	Pharmacology
Department	Laboratory of Pharmacology
Office	35, bldg 5B, Dept. Medicine, Dragana, Alexandroupolis
Phone	+302551030533
Fax	+302551030533
Email	achatzak@med.duth.gr
Research Interests	<ul style="list-style-type: none"> <li>○ The involvement of stress and the CRF system in human physiology and pathophysiology of stress-related and other disorders (with emphasis in reproductive and gastrointestinal systems).</li> <li>○ Physiology and pathophysiology of endometrium, hormonal control, autocrine/paracrine regulatory mechanisms, decidualization, angiogenesis, immune control etc. and the formation of the foetal-placental unit.</li> <li>○ The role of Gonadotropin Releasing Hormone (GnRH) and its receptors in the normal and malignant growth of the human endometrium,</li> <li>○ Carcinogenesis and tumour markers of hormone-dependent malignancies and development of gene therapy technology for targeting hormone-dependent malignancies,</li> <li>○ Autocrine/paracrine effects of opioid peptides in peripheral systems (endometrium, adrenals),</li> <li>○ Molecular modelling of G-protein coupled receptors (GPCRs),</li> <li>○ Clinical studies for new anticancer schemes</li> <li>○ Safe use of hazardous drugs</li> </ul>
Teaching	<ul style="list-style-type: none"> <li>● Pharmacology I and II at pre-graduate level in Medical students and in Molecular Biology and Genetics students</li> <li>● Psychophysiology at pre-graduate level in the School of Educational Sciences in pre-school age</li> <li>● Participation in Post-graduate programmes: <ul style="list-style-type: none"> <li>- Clinical Pharmacology and Therapeutics (lectures and thesis supervision), Democritus University of Thrace (2006-present)</li> <li>- Health and Safety in Workplace, Democritus University of Thrace (lectures and thesis supervision 2005-present)</li> <li>- Surgery of the Liver, Bile and Pancreas (lectures and thesis supervision), Democritus University of Thrace (2004-present)</li> <li>- Applied Public Health (lectures), National School of Public Health (2007-present)</li> <li>- Neuroscience, University of Crete (lectures and thesis supervision 1999-2000)</li> <li>- Post-graduate Course in Medical Oncology, University of Crete (lectures, 1996, 1999)</li> </ul> </li> </ul>
Link to personal webpage	
Detailed Biographical Information	

Education	PhD, Academic Department of Reproductive Physiology and Gynaecology and Medical Oncology of the St. Bartholomew's and The Royal London School of Medicine and Dentistry, London, UK University of London. BSc in Biology, University of Athens, Greece
Scientific Experience	§ Assistant Professor in Pharmacology, Medical School, Democritus Univ. Thrace, Greece § Lecturer in Pharmacology, Medical School, Democritus Univ. Thrace, Greece § Collaborative Scientist, Post-doctoral Scientist, Neurocrine Bioscience Inc, San Diego, CA, USA § Post-doctoral Scientist, Dept. Pharmacology, Medical School, Univ. Crete, Greece § Clinical Embryology, University of London, UK and 'Alexandra' University Hospital, Athens, Greece
Research Work	- 42 scientific articles in international journals and 18 in greek editions. - 3 monographs - 13 chapters in books - 40 presentations in international congresses - 38 presentations in national congresses
Selected Publications	A-1 Chatzaki E, Gallagher CJ, Iles RK, Ind TEJ, Nouri AME, Bax CMR, Grudzinskas JG (1994). Characterization of the differential expression of marker antigens by normal and malignant endometrial epithelium. British Journal of Cancer, 69, 1010-1014 (4,515). A-2 Chatzakis K, Wathen N, Campbell J, Iles R, Dawnay A, Chard T (1994). Dramatic increase in the levels of placental protein 14 in amniotic fluid at 10-15 weeks' pregnancy. Early Human Development, 36, 113-116 (2,399). A-3 Loutradis D, Drakakis P, Michalas S, Hatzaki C, Kallianidis K, Aravantinos L, Kielssing AA. (1994). The effect of compounds altering the cAMP level on reversing the 2-cell block induced by hypoxanthine in mouse embryos in vitro. European Journal of Obstetrics and Gynaecology and Reproductive Biology. 57, 195-199 (1,686). A-4 Chatzaki E, Bax CRM, Eidne KA, Anderson L, Grudzinskas JG, Gallagher CJ (1996) The Expression of gonadotropin-releasing hormone (GnRH) and its receptor in endometrial cancer and its relevance as an autocrine growth factor. Cancer Research, 56, 2059-63 (8,194). A-5 Bax CMR, Chatzaki E, Davies S, Gallagher CJ (1996) Elucidating the role of gonadotrophins in endometrial cancer cell growth. Biochemical Society Transactions, 24, 443S (3,359). A-6 Makrigiannakis A, Margioris AN, Chatzaki E, Zoumakis E, Chrousos GP, Gravanis A (1999) The decidualizing effect of progesterone may involve direct transcriptional activation of corticotrophin-releasing hormone from human endometrial stromal cells Molecular Human Reproduction, 5, 789-796 (3,090). A-7 Chatzaki E, Margioris A, Makrigiannakis A, Castanas E, Georgoulas V, Gravanis A. (2000) Kappa-opioids and Transforming Growth Factor-beta 1 interact in human endometrial cells. Molecular Human Reproduction, 6, 101-108 (3,090). A-8 Dermitzaki E, Chatzaki E, Gravanis A, Margioris AN. (2000) Opioids transiently prevent activation of apoptotic mechanisms following short periods of serum withdrawal. Journal of Neurochemistry, 74, 960-969 (4,206).

- A-9 Davies S, Bax CMR, Chatzaki E, Chard T, Iles RK (2000) Regulation of endometrial cancer cell growth by Luteinising Hormone (LH) and Follicle Stimulating Hormone (FSH). *British Journal of Cancer*. 83, 1730-1734 (4,515).
- A-10 Zoumakis E, Chatzaki E, Charalampopoulos I, Aggelakis E, Koumantakis E, Gravanis A. (2000) Cycle and age related changes of Corticotropin Releasing Hormone (CRH) in Human Endometrium and Ovaries. *Gynaecological Endocrinology*, 15, 98-102 (1,387).
- A-11 Krasagakis K, Almond-Roesler B, Geilen C, Fimmel S, Kregel S, Chatzaki E, Gravanis A, Orfanos CE. (2001) Growth and characterization of a cell line from a human primary neuroendocrine carcinoma of the skin (Merkel Cell Carcinoma) in culture and as xenograft. *J Cell Physiol* 187, 386-91 (4,165).
- A-12 Chatzaki E, Margioris A, Gravanis A (2001) Expression and regulation of Corticotropin-Releasing Hormone Binding Protein (CRH-BP) in Rat Adrenals. *Journal of Neurochemistry*, 80, 81-90 (4,206)
- A-13 Chatzaki E, Kouimtzioglou E, Margioris A, Gravanis A (2001) The Fas/FasL apoptotic pathway is involved in the kappa-opioid-induced apoptosis of human endometrial stromal cells. *Molecular Human Reproduction*, 7, 867-874 (3,090).
- A-14 Gravanis A, Makrigiannakis A, Chatzaki E, Zoumakis E, Tsatsanis C, Margioris AN (2002) Stress neuropeptides in human endometrium: Paracrine effects on cell differentiation and apoptosis, *Hormones*, 1 (3), 139-148
- A-15 Chatzaki E, Charalampopoulos I, Leontidis C, Tsardi M, Mouzas I, Tsatsanis C, Margioris AN, Gravanis A (2003). Urocortin in human gastric mucosa: Relationship to inflammatory activity. *J Clin Endocrinol Metab*, 88, 478-83 (6,460)
- A-16 Chatzaki E, Kouimtzioglou E, Margioris A, Gravanis A (2003). Transforming growth factor beta 1 exerts an autocrine regulatory effect on human endometrial stromal cell apoptosis, involving the FasL and Bcl-2 apoptotic pathways. *Mol Hum Reprod*, 9, 91-95 (3,090).
- A-17 Chatzaki E, Murphy B, Wang L, Million M, Ohning GV, Crowe P, Petroski R, Taché Y, Grigoriadis D (2004) Differential profile of CRF receptor distribution in the rat stomach and duodenum assessed by newly developed CRF receptor antibodies. *Journal of Neurochemistry*, 88(1), 1-11 (4,206)
- A-18 Chatzaki E, Crowe P, Wang L, Million M, Taché Y, Grigoriadis D (2004) CRF Receptor type 1 and 2 expression and anatomical distribution in the rat colon. *Journal of Neurochemistry* 90, 309-316 (4,206)
- A-19 Maltezos E, Amarantidis K, Trichas M, Vasiliadis M, Toromanidou M, Chatzaki E, Karayannakis A, Tsarouha A, Romanidis K, Kakolyris S (2005) A dose escalation study of liposomal doxorubicin (Caelyx) in combination with capecitabine (Xeloda) in patients with refractory solid tumors. *Oncology* 69, 463-9 (2,390)
- A-20 Chatzaki E, Euthimiadis C, Kyriaki S, Lambropoulou M, Tsarouxa A, Polychronidis A, Papadopoulos N, Simopoulos K. (2005) Urocortin and Corticotropin-Releasing Factor type 2 Receptor expression in the human gallbladder. *Neuroendocrinology*, 82, 177-184 (3,164)
- A-21 Kaklamanis L, Trichas M, Amarantidis K, Spathari N, Micheli A, Karayiannakis A, Chatzaki E, Georgoulas V, Kakolyris S. (2006) VEGF expression in the colorectal adenoma-carcinoma sequence. *Oncology Research* 15, 445-51. (1,731)
- A-22 Chatzaki E, Lambropoulou M, Constantinidis TC, Papadopoulos N, Tache Y, Minopoulos G, Grigoriadis D (2006). Corticotropin-Releasing Factor

(CRF) Receptor type 2 in the Human Stomach: protective biological role by inhibition of apoptosis. *Journal of Cellular Physiology* 209, 905-11 (4,165).

A-23 Chatzaki E, Minas V, Zoumakis E, Makrigiannakis A (2006). Non-peptide, small molecule CRF receptor antagonists. Utility in research and clinical practice. *Current Medicinal Chemistry*, 13, 2751-60 (5,387).

A-24 K Amarantidis, K Houhouli, K Papatheodorou, A Miloussis, D Matthaios, E Chatzaki, N Lyrantzopoulos, V Georgoulas, S Kakolyris (2006) A dose escalation study of docetaxel plus gemcitabine in combination with capecitabine (Xeloda ) in patients with advanced solid tumors. *Oncology Research* 16, 281-7. (1,731)

A-25 Charalampopoulos I, Androulidaki A, Chatzaki E, Minas V, Tsatsanis C, Notas G, Xidakis C, Kollios G, Kouroumalis E, Margioris AN, Gravanis A (2006) Rat Kupffer cells express neuropeptide Urocortin (UCN) and its receptors: autocrine effects on inflammatory cytokines. *Neuroendocrinology* 84, 49-57 (3,164)

A-26 Dermitzaki E, Tsatsanis C, Venihaki M, Minas V, Chatzaki E, Labropoulou M, Androulidaki A, Charalampopoulos I, Gravanis A, Margioris A (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, 1524-38 (5,103)

A-27 Tsatsanis C, Dermitzaki E, Venihaki M, Chatzaki E, Minas V, Gravanis A, Margioris A (2007) The Corticotropin-Releasing factor (CRF) family of peptides as local modulators of adrenal function. *Cellular and Molecular Life Sciences* 64, 1638-55 (6,928)

A-28 Tsaroucha AK, Chatzaki E, Lambropoulou M, Despoudi K, Laftsidis P, Charsou C, Polychronidis A, Papadopoulos N, Simopoulos CE (2008). Megalin and cubilin in the human gallbladder epithelium. *Clinical and Experimental Medicine*, 165-70 (1,724).

A-29 Lambropoulou M, Stefanou D, Alexiadis G, Tamiolakis D, Tripsianis G, Chatzaki E, Vantoros GP, Kiziridou A, Papadopoulou E, Papadopoulos N (2007). Cytoplasmic expression of c-erb-B2 in endometrial carcinomas. *Onkologie*, 30(10):495-500 (1,194).

A-30 Stavroulaki M, Kardassis D, Chatzaki E, Sakellaris G, Lindschau C, Haller H, Tosca A, Krasagakis K (2008) Exposure of normal human melanocytes to a tumor. *Journal of Cellular Physiology* 214(2), 363-70 (4,165).

A-31 Simopoulos C, Christodoulou E, Lambropoulou M, Tsaroucha A, Kakolyris S, Polychronidis A, Karayiannakis A, Chatzaki. E (2008) Neuropeptide Urocortin 1 and its receptors are expressed in the human liver. *Neuroendocrinology*, 89 (3), 315-26 (3,164)

A-32 Paschos K, Veletza S, Chatzaki E (2009) Neuropeptide and sigma receptors as novel therapeutic targets for the pharmacotherapy of depression. *CNS Drugs*, 23(9), 755-72 (4,096)

A-33 Constantinidis TC, Vagka E, Dallidou P, Basta P, Drakopoulos V, Kakolyris S, Chatzaki E. (2010) Occupational Health and Safety of personnel handling chemotherapeutic agents in Greek hospitals. *European Journal of Cancer Care*, in press (1,406)

A-34 Lambropoulou M, Papadopoulos N, Tripsianis G, Alexiadis G, Pagonopoulou O, Kiziridou A, Liberis V, Kakolyris S, Chatzaki E. (2010) Co-expression of survivin, c-erbB2 and cyclooxygenase-2 (COX-2): prognostic value and survival of endometrial cancer patients. *Journal of Cancer Research and Clinical Oncology*, 136(3), 427-35 (2,405)

A-35 Paschos KA, Kolios G, Chatzaki E (2009) The Corticotropin-

	<p>Releasing Factor system in inflammatory bowel disease: prospects for new therapeutic approaches. Drug Discovery Today, 14 , 713-20 (7,372)</p> <p>A-36 Amarantidis K, Xenidis N, Chelis L, Chiotis A, Tentes A, Chatzaki E, Kortsaris A, Polychronidis A, Karakitsos P, Kakolyris S (2010) A dose escalation study of docetaxel plus capecitabine in combination with oxaliplatin in patients with advanced solid tumors. Acta Oncologica, 49(2), 245-51 (2,487)</p> <p>A-37 Kaprara A, Pazaitou-Panayiotou K, Kortsaris A, Chatzaki E. (2010) The Corticotropin Releasing Factor System in Cancer: expression and pathophysiological implications. Cellular and Molecular Life Sciences, 67(8), 1293-306 (6,928)</p> <p>A-38 Paschos KA, Charsou C, Constantinidis TC, Anagnostoulis S, Lambropoulou M, Papachristou F, Simopoulos K, Chatzaki E (2010) Corticotropin Releasing Hormone receptors mediate opposing effects in cholestasis-induced liver cell apoptosis, Endocrinology, 151(4), 1704-12 (5,103)</p> <p>A-39 Chelis L, Xenidis N, Amarantidis K, Prassopoulos P, Chamalidou E, Neanidis K, Mikroulis D, Chatzaki E, Karakitsos P, Kakolyris S. Biweekly vinorelbine and genatmicine as second-line treatment and beyond in NSCLC. Chemotherapy, in press (1,483)</p> <p>A-40 Xenidis N, Neanidis K, Amarantidis K, Dimopoulos P, Chamalidou E, Pitsiava D, Tentes AA, Chatzaki E, Karakitsos P, Kakolyris S (2010) Biweekly vinorelbine and genatmicine as second-line treatment and beyond in ovarian cancer. Cancer Chemotherapy and Pharmacology, in press (2,542)</p> <p>A-41 Kaprara A, Pazaitou-Panayiotou K, Chemonidou MC, Constantinidis TC, Lambropoulou M, Koffa M, Kiziridou A, Kakolyris S, Kortsaris A, Chatzaki E (2010) Distinct distribution of corticotropin releasing factor receptors in human breast cancer. Neuropeptides in press (2,176)</p> <p>A-42 Iliopoulou S, Lambropoulou M, Chatzaki E, Tsoulopoulos V, Kekou I, Danobasilis D, Tatsidou P, Deftereou TE, Grammatikopoulou I, Papadopoulos N (2010) Mycoplasma hominis infection in regressive gestation in Thrace population: detection by PCR. Hippocrates, in press.</p>
Clinical Work	Member of the Laboratory of Clinical Pharmacology of the University Hospital of Alexandroupolis
R&D Projects	<ul style="list-style-type: none"> <li>- Principle Investigator in 1 research program (EEC)</li> <li>- Collaborator Investigator in 8 European and other research programs of DUTH</li> <li>- Researcher in 8 Research Programs of the University of Crete and USA.</li> </ul>
Miscellaneous	<ul style="list-style-type: none"> <li>● Member of 5 national and international Scientific Societies</li> <li>● Collaboration with Scientific Editions</li> <li>● Member of the Editorial Board of the Scientific Journals World Journal of Gastrointestinal Oncology, Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery και hygiene@εργασία.</li> <li>● 8 Scientific Prizes</li> <li>● 2 fellowships</li> <li>● Member of Organizing and Scientific Committees of Congresses</li> <li>● Invited lectures</li> <li>● Reviewer in Scientific Journals</li> <li>● Reviewer in grant proposals</li> </ul>

