

Curriculum Vitae

Name: **Konstantinos**

Surname: **Ampatzis**

Nationality: Hellenic

Gender: Male

Place of Birth: Thessaloniki, Macedonia, Greece.

Date of Birth: 12/Aug/1979

Address (Work): Department of Neuroscience, Karolinska Institutet, Retzius Väg 8, S-17177, Stockholm, Sweden.

Tel mobile: 0046 /Tel Work: 0046 (0) 8524 873 99

E-mail: kampatzis@yahoo.gr / konstantinos.ampatzis@ki.se

EDUCATION & POSITIONS

- 2009 – Today **Postdoctoral Research position**, Karolinska Institute, Neuroscience Department, Nobel Institute for Neurophysiology, Prof. Abdel El Manira's Group, Stockholm, Sweden.
- 2008 – 2009 **Postdoctoral Research Fellow**, Mammalian Neurogenesis Group (Prof. Vasso Episkopou), MRC Clinical Science Centre, Faculty of Medicine, Imperial College London. London, UK.
- 2005 – 2008 **Ph.D. Degree in Neuroscience.**
Department of Biology, University of Crete, Heraklion, Greece
Supervisors: Associate Professor C.R. Dermon & Professor M. Kentouri
- 2003 – 2005 **MSc. Degree, Biology** (Grade: 9.5/10)
Department of Biology, University of Crete, Heraklion, Greece
Supervisor: Assistant Professor C.R. Dermon
- 1999 – 2003 **BSc. Degree, Biology** (Grade: 7.42/10) Department of Biology, University of Crete, Heraklion, Greece

TECHNICAL SCILLS & COMPETENCES

Excellent command of animal manipulation (fish, avian, mammals), micro-surgical procedures (lesions, HRP & DiI tracing, neural grafting), neuronal tissue isolation, histology & histopathology, histochemistry, immunohistochemistry, *in-situ* hybridization, western blot analysis, membrane fractionation, *in vitro* receptor autoradiography, *in vivo* metabolic autoradiography, advance microscopy, stereological methods, PCR, RT-PCR, Q-PCR, culturing and neuronal differentiation of embryonic stem cells and primary neuronal cultures, electrophysiology (EMG recording, whole cell patch clamping).

PUBLICATIONS

Journal Articles

- P., Katharios, I.E., Papadakis, A., Prapas, C.R., Dermon, **K., Ampatzis** & P., Divanach (2005) Mortality control of viral encephalopathy and retinopathy in 0+ grouper *Epinephelus marginatus* after prolonged bath in dense *Chlorella minutissima* culture. Bull. Eur. Ass. Fish Pathol., 25(1) 28-32.
- **Ampatzis K.** & C.R. Dermon (2007) Sex differences in adult cell proliferation within the zebrafish (*Danio rerio*) cerebellum. Eur. J. Neurosci. 25 (4), 1030–1040. doi:10.1111/j.1460-9568.2007.05366.x

- **K. Ampatzis**, M. Kentouri & C.R. Dermon (2008) Neuronal and glial localization of α_{2A} adrenergic receptors in the adult zebrafish brain (*Danio rerio*). J. Comp. Neurol. 508, 72-93. doi: 10.1002/cne.21663
- S. Chatzifotis, F. Kokou, **K. Ampatzis**, I. E. Papadakis, P. Divanach, & C.R. Dermon (2008) Effect of dietary caffeine on growth, body composition, somatic indexes and regional cerebral distribution of acetyl-cholinesterase and nitric oxide synthase in gilthead sea bream (*Sparus aurata*), reared in winter temperature. Aquaculture nutrition. doi:10.1111/j.1365-2095.2007.00541.x
- Kelly, C.E., **Ampatzis, K.**, Tanaka, S., Dixon, J.E., Tam, W., & Episkopou, V. (2009) The E3 ubiquitin ligase Arkadia2C regulates BMP signalling in motor neuron development. Mechanisms of Development 126, 189. doi: 10.1016/j.mod.2009.06.456
- **Ampatzis K.** & C.R. Dermon (2010) Regional Distribution and Cellular Localization of β_2 -Adrenoceptors in the Adult Zebrafish Brain (*Danio rerio*). J. Comp. Neurol. 518, 1418-1441. doi:10.1002/cne.22278

Conference presentations.

- P., Katharios, I.E., Papadakis, A., Prapas, C.R., Dermon, **K., Ampatzis** & P., Divanach. Mortality control of viral encephalopathy and retinopathy in 0+ grouper *Epinephelus marginatus* after prolonged bath in dense *Chlorella minutissima* culture. 20-23 October 2004, Aquaculture Europe 2004, Biotechnologies for quality, Barcelona, Spain.
- **K., Ampatzis**, M., Kentouri, & C.R. Dermon. Sexual differentiation of newly born cells in the adult zebrafish brain. 19th annual meeting of Hellenic Society for Neurosciences, 30 September – 2 October 2005, Patras, Greece.
- P., Giannogonas, L., Panagis, **K., Ampatzis**, A., Mitsacos, E.D., Kouvelas, & C.R. Dermon. Role of non-NMDA antagonist, GYKI52466, on granule cell proliferation in developing quail cerebellum. 19th annual meeting of Hellenic Society for Neurosciences, 30 September – 2 October 2005, Patras, Greece.
- Fotini E. Kokou, Stavros Chatzifotis, Ioannis.E. Papadakis, **Kostas Ampatzis**, Caterina R. Dermon & Pascal Divanach. Effect of dietary caffeine on growth and food utilization in gilthead seabream *Sparus aurata*. Aqua 9-13 May 2006, Fortezza da Basso Convention Centre Firenze (Florence), Italy.
- **K., Ampatzis**, C.R. Dermon. & M. Kentouri. Adult neurogenesis in zebrafish brain is sexually dimorphic. 5th Forum of European neuroscience. 8-12 July 2006, Vienna, Austria.
- **Ampatzis K.**, Kentouri M, & Dermon C.R. Distribution of alpha-2A and alpha-2C adrenoceptors in the adult and developing zebrafish brain: An immunohistochemical study. 20th Annual Meeting of the Hellenic Society for Neuroscience, September 29 - October 1, 2006, Heraklion, Crete, Greece.
- Alexandraki P., Panagis L., **Ampatzis K.**, & Dermon C.R. Unilateral optic nerve crush alters Nogo and β_2 Adrenergic receptors' expression in primary rat visual areas. 20th Annual Meeting of the Hellenic Society for Neuroscience, September 29 - October 1, 2006, Heraklion, Crete, Greece.
- **Ampatzis, K.**, Kentouri, M., & Dermon, C.R. Neuronal and glial localization of α_2 -adrenoceptor subtypes in the developing and adult zebrafish brain. 2nd Bioscience conference, 23-24 April 2007, Patras, Greece.

- **Ampatzis, K.**, Kentouri, M., & Dermon, C.R. Quantitative mapping of Alpha-2A and Beta-2 adrenoceptors in the adult zebrafish brain. 21st Annual Meeting of the Hellenic Society for Neuroscience, November 30- December 1, 2007, Thessaloniki, Greece.
- **Ampatzis, K.**, Makandasi, P., Katsikani, K., Kommata, V. & Dermon, C.R. Neuronal & glial localization of adrenaline and c-AMP signaling pathway in the adult zebrafish brain. 22nd Annual Meeting of the Hellenic Society for Neuroscience. October 16-19, 2008, Athens, Greece.
- Kelly, C.E., **Ampatzis, K.**, Tanaka, S., Dixon, J.E., Tam, W., & Episkopou, V. The E3 ubiquitin ligase Arkadia2C regulates BMP signalling in motor neuron development. 16th Annual Conference of the International-Society-of-Development-Biologists. Sep 06-10, 2009 Edinburgh, Scotland, UK.
- **Ampatzis, K.**, & Dermon, C.R. Sexual Plasticity in the Brain of adult Zebrafish (*Danio rerio*). 23rd Annual Meeting of the Hellenic Society for Neuroscience. September 13-14, 2009, Rhodes, Greece.

Theses

PhD Thesis (2008): Plasticity mechanisms in adult brain of zebrafish (*Danio rerio*) brain: Sexual differentiations. (*in Greek*) University of Crete, Biology Department. <http://www.lib.uoc.gr/>

Master Thesis (2005): Sexual dimorphisms of newly born cells in adult brain of zebrafish (*Danio rerio*). (*in Greek*) University of Crete, Biology Department <http://www.lib.uoc.gr/>

BSc Thesis (2003): Study of α_2 adrenergic receptors in the brain of teleost fish *Sparus aurata* (L. 1758). (*in Greek*) University of Crete, Biology Department. <http://www.lib.uoc.gr/>

PROFESSIONAL EXPERIENCE

- 01/09/2006 – Research Associate, Aquaculture Institute, Hellenic Centre of Marine Research, Greece.
01/05/2008
Participation in Greek & European funded project. Method development for the diagnosis and prevention of nutritional problems in mariculture, based on nutrition, nervous system and behaviour.
Project Coordinator: Dr. S. Chatzifotis
- 01/11/2004 – Research Associate, Department of Biology, University of Crete, Greece.
30/04/2006
Participation in Greek & European funded project (EPEAEK II - Pythagoras I). Environmental control of sex in Zebrafish (Hamilton, 1822). Differentiation of reproductive and central nervous system.
Project Coordinator: Prof. M. Kentouri
- 01/07/2004 – Research Assistant, Department of Biology, University of Crete, Greece.
30/09/2004
Participation in Greek funded project. Maximizing production of commercial Mediterranean fish in aquaculture.
Project Coordinator: Prof. M.Kentouri.
- 01/01/2004 – Research Assistant, Department of Biology, University of Crete, Greece.
31/05/2004
Participation in European Commission funded project “COLORED, QLRT-1999-31629” Environmental, nutritional and neuroendocrine regulation of skin coloration in the red porgy, towards the developmental of natural hue in the culture populations.
Project Coordinator: Ass. Prof. C.R. Dermon

AWARDS / FELLOWSHIPS / STIPENDS

- 2009: Stipend for postdoctoral research in Karolinska Institute, Neuroscience Department, Nobel Institute for Neurophysiology, Prof. Abdel El Manira's Group, Stockholm, Sweden.
- 2008: Career Development Fellowship, of MRC Clinical Science Centre, Faculty of Medicine, Imperial College London. London, UK. In Mammalian Neurogenesis Group (Prof. Vasso Episkopou),
- 2005: Scholarship grant from Hellenic State Scholarships Foundation (I.K.Y.) for postgraduate students.

TEACHING

2004 - 2008: Graduate Teaching Assistant, Department of Biology, University of Crete, Greece. *Assisting in the preparation of lectures and conducting laboratory practicals of the undergraduate course "Animal Physiology", and "Introduction to Zoology".*

AFFILIATIONS-MEMBERSHIPS

- 2006 - Present Hellenic Society for Neuroscience
- 2004 – Present Member, International Society of Neuroethology.
- 2000 – Present Hellenic Society of Virology
- 2010 Society for Neuroscience

OTHER SKILLS-INTERESTS

Design and development of web pages:

- Webpage of C.R.Dermon lab of Biology Department of University of Patras, Greece: <http://dnlab.biology.upatras.gr> (2008)
- Webpage of V. Episkopou lab, Clinical Science Centre, Medical Research Council, London, UK: <http://mammaneuro.csc.mrc.ac.uk/index.html> (2009)
- Webpage of V. Zachariou lab of Medical School of University of Crete, Greece: <http://www.med.uoc.gr/zacharioulab/> (2006)
- Webpage of cultural society of Lofiskos village – Thessaloniki Macedonia, Greece: <http://www.lofiskos.gr> (2007)

Photography: Senior member of photographic team of University of Crete.

Cooking

Computers: Excellent knowledge of Macintosh OS 9 & OS X, Microsoft Windows and Open Source Operating Systems, all Microsoft Office programs, statistical analysis packages (SYSTAT, SPSS, Statistica, Statgraphics plus), multimedia, image analysis and manipulation software (NIH & Scion Image Analysis, Image Pro, ImageJ, Photoshop, Paint Shop Pro, Bryce, 3D Studio Max), Drawing software (Corel Draw, Adobe Illustrator).