

## CURRICULUM VITAE

PANAGIOTIS. A. LIAKOS

### STUDIES

Graduated from Joseph Fourier I University, Grenoble France Department of Biology (**Maitrise of Biochemistry**) June 1994.

**Master in Molecular and Cellular Biology** (specialized in physiopathology) from Joseph Fourier I University, Grenoble France June 1995.

**PhD in Molecular and Cellular Biology** from the Biological, Medical and Pharmaceutical School of Joseph Fourier I University, Grenoble France July 1999. The research was realized in the laboratory of Biochemistry and Cellular Endocrine Regulation- INSERM244 unit, Department of Molecular and Structural Biology of Grenoble Nuclear Research Center.

### EMPLOYMENT

12/1995-11/1998. Contractual searcher (3 years) from the French Education and research Ministry in the INSERM244 unit, Department of Molecular and Structural Biology of Grenoble Nuclear Research Center- France.

12/1998-05/1999. Contractual searcher (6 months) for the Fondation de la recherche médicale on the adrenal cancer in INSERM244.

2001-2003. Postdoctoral Associate, Department of Biological Chemistry Medical School Aristotle University Thessaloniki.

2003. Lecturer in Medical Biochemistry, Department of Biochemistry Medical School of Thessaly.

2008. Assistant Professor in Medical Biochemistry, Department of Biochemistry Medical School of Thessaly.

### TEACHING ACTIVITIES

**2003:** Course of “Biochemistry I” and “Biochemistry II”, Medical School, University of Thessaly, Greece

**2004-present:** Course of “Clinical Biochemistry””, Medical School, University of Thessaly, Greece

**2004-present:** Course of “Cell signaling and regulation of gene expression” Program of Postgraduate Studies “Clinical Applications of Molecular Medicine”, Medical School, University of Thessaly, Greece

## PHD THESES

Supervisor of two PhD Theses and Member of the three-membered advisory committee of four PhD Theses.

## RESEARCH INTERESTS

- The mechanism of Hypoxia inducible factor-2 $\alpha$  (HIF-2 $\alpha$ ) regulation and his role in cellular homeostasis.
- The contribution HIF-2 $\alpha$  and HIF-1 $\alpha$  in the cellular response of various forms physiologic or pathological stress.
- Mechanisms of healthy and cancer cells in oxidative stress.

## PUBLICATIONS

1. Galtier A., Liakos.P., Keramidas.M., Feige.J.J., Chambaz.E.M. & Defaye.G. (1996). ACTH, angiotensin II and TGF $\beta$  participate in the regulation of steroidogenesis in bovine adrenal glomerulosa cells.

Endocr Res 22(4), 607-612.

**Impact factor: 1,258 / Citations: 6**

2. Liakos.P., Bourmeyster.N., Defaye.G., Chambaz.E.M. & Bottari.S. (1997).

Angiotensin II AT1 and AT2 receptors both inhibit bFGF induced proliferation of bovine adrenocortical cells.

Am. J. Physiology 273: C1324-1334.

**Impact factor: 3,077 / Citations: 16**

3. Chabre.O, Liakos.P., Vivier.J, Bottari.S, Bachelot.I, Chambaz.E.M, Defaye.G. & Feige.J.J. (1998). Gastric inhibitory peptide (GIP) stimulates cortisol secretion, cAMP production and DNA synthesis in an adrenal adenoma responsible for food-dependent Cushing's syndrome.

Endocr Res. 24(3-4): 851-856.

**Impact factor: 1,258 / Citations:13**

4. Chabre.O, Liakos.P., Vivier.J, Chaffanjon.P, Labat-Moleur.F, Martinie.M., Bottari.S, Bachelot.I, Chambaz.E.M, Defaye.G.& Feige.J.J. (1998).

Cushing's syndrome due to a gastric inhibitory polypeptide-dependent adrenal adenoma: insights into hormonal control of adrenocortical tumorigenesis.

J. Clin. Endocrinol. Metab. 83:3134-3143.

**Impact factor: 5,641 / Citations:58**

5. Liakos.P., Feige J.J., Chambaz.E.M. & Defaye.G. (1998)

Expression of ACTH receptors (MC2-R and MC5-R) in bovine adrenocortical cells from the glomerulosa and fasciculata-reticularis zones.

*Endocr Res.* 24(3-4): 427-32.

***Impact factor: 1,258 / Citations:13***

6. Liakos P., Chambaz.E.M., Feige.J.J. & Defaye.G. (2000)

Expression and regulation of melanocortin receptors 5 (MC5-R) in the bovine adrenal cortex.

*Mol. Cell. Endocrinol.* 159: 99-107.

***Impact factor: 2,34 / Citations:12***

7. Gaillard.I, Keramidas.M, Liakos.P, Vilgrain.I., Feige J.J.& Vittet.D. (2000)

ACTH-regulated expression of vascular endothelial growth factor in adult bovine adrenal cortex: A possible role in the maintenance of the microvasculature.

*J. Cell. Physiol.* Nov185 (2): 226-34.

***Impact factor: 2,704 / Citations:20***

8. Chabre O., Portrat-Doyen S., Chaffanjon P., Vivier J., Liakos P., Labat-Moleur F., Chambaz E., Morel Y. and Defaye G. (2000)

Bilateral laparoscopic adrenalectomy for congenital adrenal hyperplasia with severe hypertension, resulting from two novel mutations in splice donor sites of CYP11B1

*J. Clin. Endocrinol. Metab.*85 (11): 4060-8.

***Impact factor: 5,641 / Citations:22***

9. Raikos N., Tsoukali H., Liakos P., Njau SN., Psaroulis D. (2003)

The Role of alcohols and drugs in fatally injured drivers in Northern Greece: a 3 years study (Sept 1999-Aug 2002). *The International Association of Forensic Toxicologists (TIAFT) 2003*

***Impact factor: - / Citations:2***

10. Liakos P., Lenz D., Bernhardt R., Feige JJ., Defaye G. (2003)

Transforming Growth factor  $\beta$ 1 inhibits aldosterone and cortisol production in human adrenocortical carcinoma cell line NCI-H295R through inhibition of CYP11B1 and CYP11B2 expression. *J. Endocrinol* 176(1)69-82 Jan

***Impact factor: 3.32 / Citations:10***

11. Kaloyianni, M., Tsagias, N., Liakos, P., Zolota Z., Christophorides, E. & Koliakos, G. (2004)

Stimulation of Na<sup>+</sup>/H<sup>+</sup> antiport and pyruvate kinase activities by high glucose concentration in human erythrocytes. *Mol Cells. Jun 30;17(3):415-21.*

***Impact factor: 1.41 / Citations:8***

12. Konstas AG, Koliakos GG, Karabatsas CH, Liakos P, Schlotzer-Schrehardt U, Georgiadis N, Ritch R. (2006).

Latanoprost therapy reduces the levels of TGF beta 1 and gelatinases in the aqueous humour of patients with exfoliative glaucoma.

*Exp Eye Res. Feb;82(2):319-22.*

***Impact factor: 2.846 / Citations:10***

13. Triantafyllou, A., Liakos, P., Tsakalof, A., Georgatsou, E., Simos, G. and Bonanou, S. (2006) Cobalt induces hypoxia-inducible factor-1 $\alpha$  in HeLa cells by an iron-dependent, but ROS-, PI-3K- and MAPK-dependent mechanism.

*Free Radical Research 40(8):847-856*

***Impact factor: 2.744 / Citations:28***

14. Petinaki E., Kontos F., Maniatis A.N., Spiliopoulou I., Liakos P (2006)

Emergence of Enterococcus faecalis susceptible to quinupristin/dalfopristin in Greece

*Int. J Antimicrob Agents;28 (2): 153-156*

***Impact factor: 2.064 / Citations:5***

15. #Stakias N, #Liakos P, Tsiapali E, Goutou M., Koukouli G N. (2006)

Lower prevalence of Epsilon 4 Allele of Apolipoprotein E Gene in longer lived individuals of Hellenic origin. ( #οι δύο πρώτοι συγγραφείς συνέβαλαν ισότιμα στην εργασία)

*J Gerontol A Biol Sci Med Sci; 61(12):1228-31*

***Impact factor: 4.12 / Citations:5***

16. Konstantinidis D., Koliakos G., Vafia K., Liakos P., Bantekas C., Trachana V. and Kaloyianni M. (2006)

Inhibition of the Na<sup>+</sup>-H<sup>+</sup> exchanger isoform-1 and the extracellular signal-regulated kinase induces apoptosis: a time course of events.

*Cell Physiol Biochem ;18(4-5):211-22.*

***Impact factor:3.093/ Citations:12***

17. Triantafyllou A, Liakos P, Tsakalof A, Chachami G, Paraskeva E, Molyvdas P-A, Georgatsou E, Simos G, and Bonanou S (2007)

The flavonoid quercetin induces HIF-1 $\alpha$  expression and inhibits cell proliferation by depleting iron.

*Free Radic Res ; 41(3):847-56.*

***Impact factor: 2.743/ Citations:22***

18. Chachami G, Hatziefthimiou A, Liakos P, Bonanou S, Molyvdas P-A, Simos G and Paraskeva E. (2007)

Exposure of differentiated Airway Smooth Muscle cells to serum stimulates both induction of Hypoxia Inducible Factor-1 $\alpha$  and airway responsiveness to Ach.

*Am J.Physiol: Lung Cell Mol Biol 293, 913-22*

***Impact factor: 4.214 / Citations:3***

19. Boultsadakis A, Liakos P, Pitsikas N. (2010)

The nitric oxide-releasing derivative of ferulic acid NCX 2057 antagonized delay-dependent and scopolamine-induced performance deficits in a recognition memory task in the rat. Prog Neuropsychopharmacol Biol Psychiatry 34:5-9 **Impact factor: 2.877/ Citations:3**

20. Kaditis A, Alexopoulos E, Ntamagka G, Chaidas K, Karathanasi A, Gougoura S, Papathanasiou AA, Liakos P, Zintzaras E, Gourgoulianis K. (2010) Serum nitrite and nitrate levels in children with obstructive sleep-disordered breathing.

Sleep Med.;11(3):258-62 **Impact factor: 3,43/ Citations:1**

21. Gougoura S, Liakos P, Koukoulis G.N. (2010)

Effect of CRH on NO bioavailability, ROS production, and antioxidant defense systems in endothelial EAhy926 cells

Free Radical Research. 44: 803-12 **Impact factor: 2,805/ Citations:1**

22. Malakasioti G, Alexopoulos E, Befani CD, Tanou K, Varlami V, Ziogas D, Liakos P, Gourgoulianis K, Kaditis A G. (2011) Oxidative stress and inflammatory markers in the exhaled breath condensate of children with OSA

Sleep Breath Aug 3 DOI: 10.1007/s11325-011-0560-70 **Impact factor: 2,36/ Citations:2**

23. Befani C. D., Vlachostergios P. J, Hatzidaki E, Patrikidou A, Bonanou S, Simos G, Papandreou C N.& Liakos P (2012). Bortezomib represses HIF-1 $\alpha$  protein expression and nuclear accumulation by inhibiting both PI3K/Akt/TOR and MAPK pathways in prostate cancer cells.

J Mol Med (Berl). Jan;90(1):45-54. Epub 2011 Sep 10. **Impact factor: 5,19/ Citations:1**

24. Tsapakidis K, Vlachostergios PJ, Voutsadakis IA, Befani CD, Patrikidou A, Hatzidaki E, Daliani DD, Moutzouris G, Liakos P and Papandreou CN .(2012) Bortezomib reverses the proliferative and antiapoptotic effect of neuropeptides on prostate cancer cells.

International Journal of Urology Jun 19 (6) 565-74 **Impact factor:1,46/ Citations:-**

25. Mylonis I, Sembongi H, Befani C, Liakos P, Siniosoglou S, Simos G. (2012) Hypoxia causes triglyceride accumulation by HIF-1-mediated stimulation of lipin 1 expression.

J. Cell Sci. Jul 125 (Pt 14):3485-9 **Impact factor: 6,11 / Citations:1**