

PERSONAL INFORMATION

Name/Surname : Iordanis Mourouzis

Date & Place of Birth: 5 April 1976 –Athens

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Current Position

2016 – Ass. Professor of Pharmacology, Medical School, University of Athens, Greece

Education

2008- 2012 Training in Cardiology, Department of Cardiology, «LAIKO» hospital, Athens, Greece

1994-2001 Degree in Medicine, University of Athens, Greece

Cardiologist Practice License

2012- License for practicing cardiology

Doctorate in Medicine (PhD)

2006- . «Thyroid hormone and cardioprotection: the role of heat shock protein 27 (HSP27)», Dpt of Pharmacology, Medical School, University of Athens. 2nd KATSARA AWARD for PhD thesis in NKUA for **2004-2006**

Clinical And Academic Positions

A. ACADEMIC POSITIONS

2014- Lecturer of Pharmacology, Medical School, University of Athens, Greece

2016 – Ass. Professor of Pharmacology, Medical School, University of Athens, Greece

B. CLINICAL POSITIONS

2014- Co-appointment in 3rd University Cardiology Clinic for teaching, research and clinical work

2008-2012 Registrar in Cardiology, Department of Cardiology, LAIKO hospital, Athens

TEACHING EXPERIENCE

Undergraduate courses

2014- Undergraduate courses in cardiology in medical students, 3rd University Cardiology Clinic

2013- Undergraduate courses in Cardiovascular Pharmacology, University of Athens, Greece

Postgraduate courses

2014- Courses in postgraduate program «ICU- Cardiovascular Nursing» (Medical School, University of Athens)

2014- Courses in postgraduate program «Applications of Biology in Medicine» (Biology and Medical School, University of Athens)

CHAPTERS IN BOOKS

1. **‘Thyroid and heart failure- from pathophysiology to clinics’** Iervasi/Pingitore (Eds), Springer, 2008 Chapter by C Pantos, I Mourouzis, DV Cokkinos entitled Thyroid hormone and ischaemic myocardium
2. Myocardial ischemia: from mechanisms to therapeutic potentials” Cokkinos/Pantos /Heusch /Taegtmeyer (Eds), Springer, 2006

RESEARCH INTERESTS

Main Research Interests

- The **role of thyroid hormone in tissue regeneration** (myocardium, neural tissue, pancreas, cancer)
- The role of **thyroid hormone receptor $\alpha 1$** as a pharmacological target **for tissue regeneration**
- Endogenous mechanisms of repair /regeneration after myocardial injury (experimental models of ischemia/reperfusion, in vivo myocardial infarction in rodents, cell cultures)
- Study of the role of old and new pharmacological interventions in tissue injury and repair/recovery (**ranolazine, amiodarone, dronedarone, trimetazidine, dobutamine, clenbuterol, phenylephrine, sildenafil, morphine**).

Other

- **Computational modeling**

Research Projects

- “Open semantically-enabled, social-aware access to scientific data” (OPENSOURCELINK), FP7 program, EU, (Coordinator: TUD, Germany), 2013-2016, **KA 12067**
- “Development of innovative diagnostic and therapeutic tools for cardiomyopathies and heart failure” 09SYN-21-965 GGET. (Coordinator: G. Capetanaki, IIBEAA), 2012-2015, **KA 11444**
- BIOASQ, FP7 program. EU, (Coordinator: TUD, Germany), 2013-2014, **KA 4634**
- The role of ranolazine in cardiac remodeling after acute myocardial infarction in normal and diabetic rats. Menarini International, Italy and Gilead Sciences (Fremont, Silicon Valley, USA), (2012) (Coordinator: C.Pantos) **KA 4634**
- “Efficient Patient Recruitment for Innovative Clinical Trials of Existing Drugs to other Indications” (PONTE), Program FP7, EU, (Coordinator: CETIC, Belgium), 2010-2013, **KA 10497**
- “The role of thyroid hormone in development of bio-engineered heart muscle from neonatal rat cardiomyocytes” NIARCHOS Foundation (2008), **KA 4634**
- Mechanisms of action of trimetazine in ischemia-reperfusion Research Laboratories Servier France (2002). (Coordinator: C.Pantos) **KA 4634**
- The role of renin-angiotensin system in thyroxine-induced hypertrophy and the response of the normal and hyperthyroid heart to ischemia after irbesartan treatment. Research Laboratories Sanofi- Aventis, (2001) Montpellier (Coordinator: C.Pantos) **KA 4634**
- The role of amiodarone and dronedarone in the response of the normal and hyperthyroid heart to ischemia. Research Laboratories Sanofi- Aventis, Montpellier (1999). (Coordinator: C.Pantos) **KA 4634**
- “Cardiac remodeling after myocardial infarction: Experimental study of different interventions in rat hearts and cardiomyocytes.” NIARCHOS Foundation (2006), **KA 4634**
- “Investigation of novel mechanisms of cardiac remodeling after myocardial infarction”, Hellenic Society of Cardiology (2006), **KA 4634**

Peer review Publications in International Journals

1. Eleftheriadou I, Grigoropoulou P, Kokkinos A, Mourouzis I, Perrea D, Katsilambros N, Sfrikakis P, Tentolouris N Association of plasma fetuin-A levels with peripheral arterial disease and lower extremity arterial calcification in subjects with type 2 diabetes mellitus *Journal of Diabetes and Its Complications* 2016 (in press)
2. Pantos C., Mourouzis I. "*Thyroid hormone and tissue repair*" *Thyroid International* 2016-1
3. Mourouzis I, Tzovaras A, Armonis B, Ardavanis A, Skondra M, Misitzis J, Pectasides D, Pantos C. Are Thyroid Hormone and Tumor Cell Proliferation in Human Breast Cancers Positive for HER2 Associated? *Int J Endocrinol.* 2015;2015:765406.
4. Pantos C, Mourouzis I. Translating thyroid hormone effects into clinical practice: the relevance of thyroid hormone receptor $\alpha 1$ in cardiac repair. *Heart Fail Rev.* 2015 May;20(3):273-82.
5. Mourouzis I, Pantos C. The Biomedical Data Journal in the New Era of Open Access to Scientific Information *Biomed Data J.* 2015; 1(1): 5-11
6. Angelopoulos T, Kokkinos A, Liaskos C, Tentolouris N, Alexiadou K, Miras AD, Mourouzis I, Perrea D, Pantos C, Katsilambros N, Bloom SR, le Roux CW. The effect of slow spaced eating on hunger and satiety in overweight and obese patients with type 2 diabetes mellitus. *BMJ Open Diabetes Res Care.* 2014 Jul 2;2(1):e000013.
7. Mourouzis I, Saranteas T, Ligeret H, Portal C, Perimenis P, Pantos C. Phenylephrine postconditioning increases myocardial injury: are alpha-1 sympathomimetic agonist cardioprotective? *Ann Card Anaesth.* 2014 Jul-Sep;17(3):200-9.
8. Pantos C, Mourouzis I. The vulnerable myocardium: need for a paradigm shift for the management of coronary artery disease? *Cardiology.* 2014;129(1):18-9.
9. Mourouzis I, Mantzouratou P, Galanopoulos G, Kostakou E, Dhalla AK, Belardinelli L, Pantos C. The beneficial effects of ranolazine on cardiac function after myocardial infarction are greater in diabetic than non-diabetic rats *Journal of Cardiovascular Pharmacology and Therapeutics.* 2014 Sep;19(5):457-69.
10. Pantos C, Mourouzis I. The emerging role of TR $\alpha 1$ in cardiac repair: potential therapeutic implications. *Oxidative Medicine and Cellular Longevity* 2014;2014:481482
11. Lourbopoulos A, Mourouzis I*, Karapanayiotides T, Nousiopolou E, Chatzigeorgiou S, Mavridis T, Kokkinakis I, Touloumi O, Irinopoulou T, Chouliaras K, Pantos C, Karacostas D, Grigoriadis N. Changes in thyroid hormone receptors after permanent cerebral ischemia in male rats. *J Mol Neurosci.* 2014 Sep;54(1):78-91.
12. Mourouzis I, Giagourta I, Galanopoulos G, Mantzouratou P, Kostakou E, Kokkinos AD, Tentolouris N, Pantos C. Thyroid hormone improves the mechanical performance of the post-infarcted diabetic myocardium: A response associated with up-regulation of Akt/mTOR and AMPK activation. *Metabolism* 2013;62:1387-1393

13. Strilakou, A.A., Tsakiris, S.T., Kalafatakis, K.G., Stylianaki, A.T., Karkalousos, P.L., Koulouris, A.V., Mourouzis, I.S., Liapi, C.A. Carnitine modulates crucial myocardial adenosine triphosphatases and acetylcholinesterase enzyme activities in choline-deprived rats. *Canadian Journal of Physiology and Pharmacology*, 2014; 92 (1): 78-84.
14. Adamopoulos, S., Gouziouta, A., Mantzouratou, P., Laoutaris, I.D., Dritsas, A., Cokkinos, D.V., Mourouzis, I., Sfyraakis, P., Iervasi, G., Pantos, C. Thyroid hormone signalling is altered in response to physical training in patients with end-stage heart failure and mechanical assist devices: Potential physiological consequences? *Interactive Cardiovascular and Thoracic Surgery*, 2013 Oct;17(4):664-8.
15. Mourouzis, I., Kostakou, E., Galanopoulos, G., Mantzouratou, P., Pantos, C. Inhibition of thyroid hormone receptor $\alpha 1$ impairs post-ischemic cardiac performance after myocardial infarction in mice. *Molecular and Cellular Biochemistry*, 2013 Jul;379(1-2):97-105.
16. Strilakou, A.A., Lazaris, A.C., Perelas, A.I., Mourouzis, I.S., Douzis, I.C., Karkalousos, P.L., Stylianaki, A.T., Pantos, C.I., Liapi, C.A. Heart dysfunction induced by choline-deficiency in adult rats: The protective role of l-carnitine. *European Journal of Pharmacology*, 2013 Jun 5;709(1-3):20-7.
17. Vilaeti, A.D., Dimos, K., Lampri, E.S., Mantzouratou, P., Tsitou, N., Mourouzis, I., Oikonomidis, D.L., Papalois, A., Pantos, C., Malamou-Mitsi, V., Agathopoulos, S., Kolettis, T.M. Short-term ventricular restraint attenuates post-infarction remodeling in rats. *International Journal of Cardiology*, 2013 May 10;165(2):278-84.
18. Papadopoulos, D.P., Mourouzis, I., Faselis, C., Perrea, D., Makris, T., Tsioufis, C., Papademetriou, V. Masked Hypertension and Atherogenesis: The Impact of Apelin and Relaxin Plasma Levels. *Journal of Clinical Hypertension*, 2013;15 (5): 333-336.
19. Mourouzis, I., Politi, E., Pantos, C. Thyroid hormone and tissue repair: New tricks for an old hormone? *Journal of Thyroid Research*, 2013;2013:312104.
20. Galanakis, S.P., Zoubos, A.B., Mourouzis, I., Ignatiadis, I., Bot, A.G.J., Soucacos, P.N. Prognostic scoring system for peripheral nerve repair in the upper extremity. *Microsurgery*, 2013;33 (2):105-111.
21. Spanou D, Perimenis P, Mantzouratou P, Gomatos C, Cokkinos D, Mourouzis I, Pantos C. Clenbuterol favorably remodels neonatal cardiac cells via activation of p38 MAPK signalling pathway. *J Cardiovasc Surg (Torino)*. 2012 Dec;53(6):789-95
22. Pantos C, Mourouzis I, Cokkinos DV. Thyroid hormone and cardiac repair/regeneration: from Prometheus myth to reality? *Can J Physiol Pharmacol*. 2012 Aug;90(8):977-87
23. Mourouzis I, Mantzouratou P, Galanopoulos G, Kostakou E, Roukounakis N, Kokkinos AD, Cokkinos DV, Pantos C. Dose-dependent effects of thyroid hormone on post-ischemic cardiac performance: potential involvement of Akt and ERK signalings. *Mol Cell Biochem*. 2012 Apr;363(1-2):235-43
24. Papadopoulos DP, Mourouzis I, Thomopoulos C, Makris T, Papademetriou V. Hypertension crisis. *Blood Press*. 2010 Dec;19(6):328-36.
25. Papadopoulos, D., Mourouzis, I., Kotrotsou, A., Papazachou, U., Sanidas, E.,

- Tsioufis, K., Makris, T. Hemostasis parameters disturbances in healthy individuals with prehypertension (2012) *Clinical and Experimental Hypertension*, 34 (6), pp. 385-388.
26. Mourouzis I, Forini F, Pantos C, Iervasi G. Thyroid hormone and cardiac disease: from basic concepts to clinical application. *J Thyroid Res*. 2011;2011:958626.
 27. Pantos C, Mourouzis I, Cokkinos DV. New insights into the role of thyroid hormone in cardiac remodeling: time to reconsider? *Heart Fail Rev*. 2011 Jan;16(1):79-96.
 28. Liappas A, Mourouzis I, Zisakis A, Economou K, Lea RW, Pantos C. Cell-type-dependent thyroid hormone effects on glioma tumor cell lines. *J Thyroid Res*. 2011;2011:856050.
 29. Lymvaivos I, Mourouzis I, Cokkinos DV, Dimopoulos MA, Toumanidis ST, Pantos C. Thyroid hormone and recovery of cardiac function in patients with acute myocardial infarction: a strong association? *Eur J Endocrinol*. 2011 Jul;165(1):107-14.
 30. Pantos C, Mourouzis I, Saranteas T, Brozou V, Galanopoulos G, Kostopanagiotou G, Cokkinos DV. Acute T3 treatment protects the heart against ischemia-reperfusion injury via TR α 1 receptor. *Mol Cell Biochem*. 2011 Jul;353(1-2):235-41
 31. Tigka, E., Saranteas, T., Mourouzis, I., Kotsiou, A. The influence of clonidine co-administration on the extent of lidocaine protein binding to rat serum and tissues. (2011) *Journal of oral science*, 53 (1), pp. 61-66.
 32. Papadopoulos, D.P., Thomopoulos, C., Mourouzis, I., Kotrotsou, A., Sanidas, E., Papazachou, U., Daskalaki, M., Makris, T.K. Masked hypertension unfavourably affects haemostasis parameters (2011) *Blood Pressure*, 20 (4), pp. 218-221.
 33. Pantos, C., Mourouzis, I. Comment: Worsening heart failure in the setting of dronedarone initiation (2011) *Annals of Pharmacotherapy*, 45 (5), p. 690.
 34. Pantos C, Mourouzis I, Cokkinos DV. Thyroid hormone as a therapeutic option for treating ischaemic heart disease: from early reperfusion to late remodelling. *Vascul Pharmacol*. 2010 Mar-Apr;52(3-4):157-65.
 35. Pantos C, Mourouzis I, Cokkinos DV. Rebuilding the post-infarcted myocardium by activating 'physiologic' hypertrophic signaling pathways: the thyroid hormone paradigm. *Heart Fail Rev*. 2010 Mar;15(2):143-54.
 36. Kalofoutis C, Mourouzis I, Galanopoulos G, Dimopoulos A, Perimenis P, Spanou D, Cokkinos DV, Singh J, Pantos C. Thyroid hormone can favorably remodel the diabetic myocardium after acute myocardial infarction. *Mol Cell Biochem*. 2010 Dec;345(1-2):161-9.
 37. Pantos C, Mourouzis I, Galanopoulos G, Gavra M, Perimenis P, Spanou D, Cokkinos DV. Thyroid hormone receptor alpha1 downregulation in postischemic heart failure progression: the potential role of tissue hypothyroidism. *Horm Metab Res*. 2010 Sep;42(10):718-24.
 38. Papadopoulos, D.P., Mourouzis, I., Votteas, V., Papademetriou, V. Depression masked as paroxysmal hypertension episodes (2010) *Blood Pressure*, 19 (1), pp. 16-19.

39. Kolettis TM, Kontaras K, Spartinos I, Maniotis C, Varnavas V, Koutouzis M, Mourouzis I, Papalois A, Pantos C, Kyriakides ZS. Dose-dependent effects of sildenafil on post-ischaemic left ventricular function in the rat isolated heart. *J Pharm Pharmacol*. 2010 Mar;62(3):346-51
40. Kostopanagiotou, G., Kalimeris, K., Christodoulaki, K., Nastos, C., Papoutsidakis, N., Dima, C., Chrelias, C., Pandazi, A., Mourouzis, I., Pantos, C. The differential impact of volatile and intravenous anaesthetics on stress response in the swine (2010) *Hormones*, 9 (1), pp. 67-75.
41. Pantos C, Mourouzis I, Tsagoulis N, Markakis K, Galanopoulos G, Roukounakis N, Perimenis P, Liappas A, Cokkinos DV. Thyroid hormone at supra-physiological dose optimizes cardiac geometry and improves cardiac function in rats with old myocardial infarction. *J Physiol Pharmacol*. 2009 Sep;60(3):49-56.
42. Papakostas I, Mourouzis I, Mourouzis K, Macheras G, Boviatsis E, Pantos C. Functional effects of local thyroid hormone administration after sciatic nerve injury in rats. *Microsurgery*. 2009;29(1):35-41.
43. Mourouzis I, Saranteas T, Perimenis P, Tesseromatis C, Kostopanagiotou G, Pantos C, Cokkinos DV Morphine administration at reperfusion fails to improve postischemic cardiac function but limits myocardial injury via increased phosphorylation of HSP27 *Eur J Anesthesiol* 2009; 26 (7): 572-581
44. Pantos C, Mourouzis I, Saranteas T, Clavé G, Ligeret H, Noack-Fraissignes P, Renard P, Massonneau M, Perimenis P, Spanou D, Kostopanagiotou G, Cokkinos DV. Thyroid hormone improves postischaemic recovery of function while limits apoptosis: a new therapeutic approach to support haemodynamics in the setting of ischaemia-reperfusion? *Basic Res Cardiol*, 2009 Jan;104(1):69-77.
45. Mourouzis I, Dimopoulos A, Saranteas T, Tsinarakis N, Livadarou E, Spanou D, Kokkinos AD, Xinaris C, Pantos C, Cokkinos DV. Ischaemic preconditioning fails to confer additional protection against ischaemia –reperfusion injury in the hypothyroid rat heart. *Physiol Res*, 2009, 58 (1): 29-38
46. Pappas, M., Mourouzis, K., Karageorgiou, H., Tesseromatis, C., Mourouzis, I., Kostopanagiotou, G., Pantos, C., Cokkinos, D.V. Thyroid hormone modulates the responsiveness of rat aorta to α 1-adrenergic stimulation: An effect due to increased activation of β 2-adrenergic signaling (2009) *International Angiology*, 28 (6), pp. 474-478.
47. Kostopanagiotou, G., Kalimeris, K., Mourouzis, I., Costopanagiotou, C., Arkadopoulos, N., Panagopoulos, D., Papoutsidakis, N., Chranioti, A., Pafiti, A., Spanou, D., Smyrniotis, V., Pantos, C. Thyroid hormones alterations during acute liver failure: Possible underlying mechanisms and consequences (2009) *Endocrine*, 36 (2), pp. 198-204.
48. Xinaris Ch, Mourouzis I, Perimenis P, Politi E, Spanou D, Cokkinos DV. TR alpha1 : a switch to cardiac cell metamorphosis? *J Physiol Pharmacol*, 2008 , 59:253-69
49. Pantos C, Mourouzis I, Markakis K, Tsagoulis N, Kokkinos AD, Panagiotou M, Cokkinos DV. Long-term thyroid hormone administration re-shapes left ventricular chamber and improves cardiac function after myocardial infarction in rats. *Basic Res Cardiol*, 2008, 103:308-18

50. Pantos C, Mourouzis I, Xinaris Ch, Z Daifoti-Papadopoulou, Cokkinos DV. Thyroid hormone and «cardiac metamorphosis»: potential therapeutic implications. *Pharmacol Ther*, 2008, 59:253-69.
51. Pantos C, Xinaris Ch, Mourouzis I, Kokkinos AD, Cokkinos DV. TNF- α administration in neonatal cardiomyocytes is associated with differential expression of thyroid hormone receptors : a response prevented by T3. *Horm Metab Res*, 2008, 40:731-4
52. Pantos C, Mourouzis I, Xinaris Ch, Cokkinos DV. Thyroid hormone and myocardial ischaemia. *J Steroid Biochem Mol Biol*, 2008, 109: 314-322
53. Halapas A, Lembessis P, Mourouzis I, Pantos C, Cokkinos D, Sourla A, Koutsilieris M. Experimental hyperthyroidism increases the level of PTHrP/PTH.1R expression in rat ventricular myocardium of Langendorff's ischaemia/ reperfusion model. *Exp Physiol*, 2008, 93:237-46.
54. Kokkinos A, Mourouzis I, Kyriaki D, Pantos C, Katsilambros N, Cokkinos DV. Possible implications of leptin, adiponectin and ghrelin in the regulation of energy homeostasis by thyroid hormone. *Endocrine* 2007; 32(1):30-2.
55. Carageorgiou H, Pantos C, Zarros A, Stolakis V, Mourouzis I, Cokkinos D, Tsakiris S Changes in acetylcholinesterase Na,K-ATPase and Mg-ATPase activities in the frontal cortex and the hippocampus of hyper- and hypothyroid adult rats. *Metabolism*, 2007, 56, 1104-10.
56. Saranteas T, Tachmitzis A, Katsikeris N, Lykoudis E, Mourouzis I, Anteriotis D, Alexopoulos C, Dimakopoulou A, Dimitriou V, Pantos C, Tesserommatis C. Perioperative thyroid hormone kinetics in patients undergoing major oral and maxillofacial operations *J Oral Maxillofac Surg* 2007, 65:408-414
57. Tzotzes V, Tzilalis V, Giannakakis S, Saranteas T, Papas A, Mourouzis I, Mourouzis C, Zarros A, Pantos C, Cokkinos DV, Carageorgiou H. Effects of acute and chronic cadmium administration on the vascular reactivity of rat aorta. *Biometals* , 2007, 20: 83-91.
58. Carageorgiou H, Pantos C, Zarros A, Stolakis V, Mourouzis I, Cokkinos D, Tsakiris S. Effects of hyper- and hypothyroidism on acetylcholinesterase, (Na(+), K (+))- and Mg (2+)-ATPase activities of adult rat hypothalamus and cerebellum. *Metabolic Brain Dis* 2007;22:31-38
59. Pantos C, Mourouzis I, Cokkinos DV. Abnormal heart and cardioprotection. *Heart Failure Rev* 2007, 12, 319-330. Invited review.
60. Pantos C, Mourouzis I, Dimopoulos A, Markakis K, Panagiotou M, Xinaris C, Tzeis S, Kokkinos AD, Cokkinos DV. Enhanced tolerance of the rat myocardium to ischemia and reperfusion injury early after acute myocardial infarction. *Basic Res Cardiol* 2007 ;102: 327-333
61. Pantos C, Mourouzis I, Paizis V, Malliopolou, C Xinaris, P Moraitis, A D. Cokkinos, D V. Cokkinos Pharmacological inhibition of TR α 1 receptor potentiates the thyroxine effect on body weight reduction: potential therapeutic implications in controlling body weight. *Diabetes Obesity & Metabolism*. 2007, 9:136-138

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63. Pantos C, Dritsas A, Mourouzis I, Dimopoulos A, Kratasakis G, Athanassopoulos G, Mavrogeni S, Manginas A, Cokkinos DV. Thyroid hormone is a critical determinant of myocardial performance in patients with heart failure: potential therapeutic implications. *Eur J Endocrinol*, 2007, 157:515-20.
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69. Pantos C, Malliopoulou V, Mourouzis I, Thempeyioti A, Paizis I, Dimopoulos A, Saranteas T, Xinaris Ch, Cokkinos DV Hyperthyroid hearts display a phenotype of cardioprotection against ischemic stress: a possible involvement of heat shock protein 70. *Horm Metab Res*, 2006, 38:1-6.
70. Pantos C, Bescond-Jacquet A, Tzeis S, Paizis I, Mourouzis I, Moraitis P, Malliopoulou V, Politi ED, Karageorgiou H, Varonos D, Cokkinos DV Trimetazidine protects isolated rat hearts against ischemia-reperfusion injury in an experimental timing- dependent manner *Bas Res Cardiol*, 2005, 100; 154-160.
71. Carageorgiou H, Pantos C, Zarros A, Mourouzis I, Varonos D, Cokkinos D, Tsakiris S Changes in antioxidant status, protein concentration, acetylcholinesterase Na,K-ATPase and Mg-ATPase activities in the brain of hyper- and hypothyroid adult rats. *Metab Brain Dis*, 2005, 20:129-139.
72. Pantos C, Mourouzis I, Malliopoulou V, Paizis I, Tzeis S, Moraitis P, Sfakianoudis K, Varonos D, Cokkinos DV Dronedarone administration prevents body weight gain and increases tolerance of the heart to ischaemic stress: a possible involvement of thyroid hormone nuclear receptor α 1 blockade. *Thyroid* 2005, 15: 16-23.

73. Pantos C, Mourouzis I, Saranteas T, Paizis I, Xinaris C, Malliopoulou V, Cokkinos DV. Thyroid hormone receptors alpha1 and beta1 are downregulated in the post-infarcted rat heart: consequences on the response to ischemia-reperfusion. *Basic Res Cardiol*. 2005;100(5): 422-432.
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75. Mourouzis C, Pantos C, Mourouzis I, Saranteas T, Tesseromatis C, Kostopanagiotou G, Karageorgiou C, Varonos D, Cokkinos DV Mepivacaine alters vascular responsiveness to vasoconstrictors in aortic rings from normal and aortic banded rats. *Pharmacol Toxicol*, 2003, 93 ;269-274
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79. Pantos C, Mourouzis I, Tzeis S, Moraitis P, Malliopoulou V, Cokkinos DD, Carageorgiou H, Varonos D, Cokkinos DV Dobutamine administration exacerbates postischaemic myocardial dysfunction in isolated rat hearts; An effect reversed by thyroxine pre-treatment. *Eur J Pharmacol*, 2003, 460: 155-161
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2. Adamopoulos S, Cokkinos DV, Gouziouta A, Mantzouratou P, Kostakou E, Laoutaris ID, Dritsas A, Mourouzis I, Sfyraakis P, Iervasi G, Pantos C. Exercise Training Up-Regulates Physiological Growth Signalling in the Myocardium of Patients with Mechanical Circulatory Support: Relevance to Functional Recovery. 62nd Annual Scientific Sessions ACC, Journal of the American College of Cardiology 2013, Vol. 61, Issue 10, Supplement, Page E666.
3. Cokkinos DV, Arvanitis D, Mourouzis I, Pantos C, Kranias EG, Sanoudou D Sarcoplasmic reticulum calcium uptake changes and cell survival after experimental acute myocardial infarction. 61 Annual Scientific Sessions ACC, Journal of the American College of Cardiology 27 March 2012 (Vol. 59, Issue 13, Page E451)
4. Mourouzis I, Perimenis F, Spanou D, Markakis K, Tsagoulis N, Kokkinos AD, Pantos C, DV Cokkinos. Changes in thyroid hormone signalling may contribute to cardiac fetal phenotype after myocardial infarction in rats. *J Mol Cell Cardiol* 2008,44, 73
5. Mourouzis I, Dritsas A, Dimopoulos A, Karatasakis G, Athanasopoulos G, Manginas A, Pantos C, DV Cokkinos. Thyroid hormone is an independent determinant of myocardial oxygen consumption in patients with heart failure. *J Mol Cell Cardiol* 2008,44, 72
6. Mourouzis I, Xinaris C, Markakis K, Tzeis S, Paizis I, Moraitis P, Pantos C, Cokkinos DV. HSP 70 is down regulated at late stages after myocardial infarction in rats ; a response reversed by thyroid hormone . *J Mol Cell Cardiol* 2007, S212.
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PUBLICATIONS

Peer review Publications in International Journals (total): **86**

Original Research: **72** Review: **12**

Letters & commentaries : **2**

Abstracts in international journals: **40**

Chapters in Books: 1 (Greek) + **2** (international)

IMPACT FACTOR (IF²⁰¹⁴) total: **233.9** mean: **2.78**

H-INDEX **26** (SCOPUS), **30** (SCHOLAR)

CITATIONS: **1616** (SCOPUS), **2200** (SCHOLAR)

Invited Speaker in scientific meetings and congresses

1. ***“Thyroid hormone and cardiopreservation in cardiac surgery and organ transplantation”*** International Symposium on Translating thyroid hormone action in non-thyroid care setting: Current options and future perspectives. June 2015, Delphi, Greece
2. ***“Amiodarone and Dronedarone interaction with thyroid hormone: Clinical implications”*** International Symposium on Translating thyroid hormone action in non-thyroid care setting: Current options and future perspectives. June 2015, Delphi, Greece
3. ***“Pharmacology of the hemodialysis patient from the cardiologist’s perspective.”*** 7th International Symposium «Cardiovascular diseases and renal dysfunction 2015», 16-17 January 2015, Athens, Greece
4. ***“Biomedical data journal and Opensciencelink project overview”*** Special meeting at Heidelberg with the Metadata director and R&D vice chairman of SpringerOpen, 22 June 2014
5. ***“TR α1 receptor : a molecular switch for conversion of pathologic to physiologic growth”*** International Symposium of Oxidative Stress and Cardiovascular Disease, Porto Alegre, Brasil, **2013**.
6. ***“The role of thyroid hormone in ischemia-reperfusion injury”***, Postgraduate Courses in Department of Physiology, University of Porto Alegre, Brasil, **2013**.
7. ***«Oxidative stress and ischemia»***, Working Groups Meeting of Hellenic Society of Cardiology, Thessaloniki, **2006**.

8. «*Thyroid hormone and cardioprotection*», Working Groups Meeting of Hellenic Society of Cardiology, Thessaloniki, 2005.

Congress Organisation

- 2015 Organization of international meeting entitled «*Translating thyroid hormone action in non-thyroid care setting: Current options and future perspectives*» under the auspices of *European Thyroid Association (Delphi, Greece)*
- 2008 Organization of the Congress of *International Society of Heart Research* European Section (Athens).
- 2002-2009: Organization of '*Athens Exchange of Cardiovascular Research Ideas*' (Workshop): Annual international scientific meetings under the auspices of International Society for Heart Research, department of Pharmacology and Hellenic Cardiology Society (Athens, Greece).

Editorial Board

Associate Editor of the "Biomedical Data Journal"

Reviewer in International Journals:

Journal of Thyroid Research, Oxidative Medicine and Cellular Longevity, Heart Failure Reviews, PLOS one, Molecular Medicine, Vascular Pharmacology, International Journal of Endocrinology

Scientific Societies

Member of Hellenic Society of Cardiology (HSC)

Member of Basic Research Group of HSC

Member of International Society of Heart Research-European Section

Research Collaborations

- Gilead Sciences , Fremont, Silicon Valley , USA (A. DHALLA, L. BELARDINELI)
- CNR, Pisa, Italy (PROF. G. IERVASI)
- School of Forensic and Investigative Science, University of Central Lancashire, Preston, UK (PROF. J. SINGH)
- King's College London, UK (PROF. M. MARBER)
- Inserm Institute, Paris, France, (PROF. B. SWYNGHEDAUW)
- School of Pharmacy and Biomedical Sciences, University of Central Lancashire, Preston, UK (PROF. R. LEA)
- Quidd, Rouen, France (DR HEIDI LIGERET)
- Department of Human Anatomy and Cell Science and Physiology, St. Boniface Research Centre, Institute of Cardiovascular Sciences, University of Manitoba, Winnipeg, Canada (PROF. E. KARDAMI)
- SANOFI-AVENTIS, FRANCE (DR. D. NISATO)

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