

Curriculum Vitae

Personal Information:

Family Name: Baltogiannis

First Name: Giannis

Gender: Male

Date of birth : 31/10/1977

Town of birth : Athens

Address: Zygomalli 14, Ioannina **Postal code:** 45332

Telephone number : +0030 2651072608, mobile phone: 6974867434

Marital status: Married, father of two children

Education:

- **1996-2002 :** Medical degree, University of Ioannina, Greece
- **PhD: 2007,** Medicine/Department of Cardiology « Endothelin receptors antagonists' influence in the remodeling of the left ventricle after acute myocardial infarction. An experimental study », University of Ioannina, Greece, Supervisor Theofilos Kolettis, MD, PhD, Professor in Cardiology University of Ioannina
- **2014:** Postgraduate course of Cardiac Electrophysiology and Pacing, under the supervision of Prof. Dr Pedro Brugada, Vrije Universiteit Brussel, Brussels

Current Position:

Cardiologist

Researcher Cardiac Care Institute. Collaborations with University of Ioannina, Greece and Vrije Universitair Brussels, Belgium

Fellowships/Prizes/Awards:

1) 2013/2014, European Heart Rhythm Association Training Fellowship winner. Arrhythmias and cardiac pacing fellowship with emphasis on ICD/CRT. Universitair Ziekenhuis-Brussels.

2) Award of the best presentation in the 25th National Congress of Cardiology in Athens (November 2004). "Acute administration of receptors-A of endothelin reduces ventricular arrhythmias in an experimental study of myocardial infarction in rats".

Teaching Activities:

- **2003/2004:** Educator in the Institute of Ambulance Crew
- **2011:** Educator in Medical students in the field of Invasive Cardiology of the subject: "Chronic cardiac insufficiency. Invasive methods. Acute cardiac failure. Cardiac shock. Intra-aortic ballon pump placement".
- **2012:** Assigned lectures at the residents of the Cardiology Clinic of the University Hospital of Ioannina

- **2016:** Invited to assign lecture in Medical Students in the Department of Epidemiology and Public Health in the subject “Health Politics” (subunit: Prevention of Cardiovascular Diseases)

Major Collaborations:

Heart Rhythm Management Centre, Brussels, Belgium

Supervisor: Prof. Pedro Brugada

Duration: 1/2013-6/2014

Host Institution: Heart Rhythm Management Centre, Vrije Universitair, UZ Brussel, Belgium

Topics: Brugada Syndrome, Atrial Fibrillation ablations, Arrhythmias and cardiac pacing with emphasis on defibrillators and biventricular pacing.

Role: Organizing research, writing and publishing articles related to cardiac electrophysiology.

Organization of Conferences, Workshops, Events: 2013,2014 Meet the Masters, Brussels, Presentation of Live Cases

Profile:

I have been an active member of the experimental laboratory of the University of Ioannina, Greece. I have actively participated in the design and integration of experimental protocols related to cardiac electrophysiology. My main field of interest is basic research in cardiology, you can find below a list of relevant publications, and cardiac electrophysiology. Our proposal meets these two fields, since cardiac electrophysiologic mechanisms are examined in the rat model of myocardial infarction. The latter constitutes an important health-related problem worldwide. Despite current treatments that salvage myocardial tissue and unload the left ventricle, chronic heart failure is common and is associated with increased morbidity and mortality. During the past decade, experimental studies, using cell-based therapies and growth factor administration integrated in biomaterial scaffolds, have demonstrated the potential to reduce the infarcted area and to improve regional and global left ventricular function, having a positive effect in malignant ventricular arrhythmias as well. Some aspects of this rapid progress are novel approaches and a significant contribution of this knowledge was produced by our team. Different aspects of the proposal will be implemented by researchers with different expertise. This is a step towards the combined efforts required to address the challenges associated with regenerating the infarcted myocardium.

I would also like to outline that my fellowship period in Heart Rhythm Management Centre in Brussels has been a fruitful education experience that enriched my knowledge in cardiac electrophysiology and pacing. The colleagues in the department have given me the chance to actively participate in every-day practice and have taught me their protocol of performing electrophysiologic studies, ablations of supraventricular tachycardias (such as AVNRT, accessory pathways, isthmus dependent flutters, transeptal punctures, atrial fibrillation ablations, left atrial flutters, atrial tachycardias) and ventricular tachycardias.

Moreover, I have been trained in implanting pacemakers and defibrillators and their optimal programming.

I should also underline the opportunity that Prof Brugada and his team gave me to actively participate in the research activity of the department in topics of cardiac electrophysiology, such as Brugada Syndrome and Cryoballoon Ablation for Atrial Fibrillation ablations. This collaboration is still ongoing.

Relevant Publications to the scope the Research Institute:

1) [Intra-myocardial growth hormone administration ameliorates arrhythmogenesis during ischemia-reperfusion in rats.](#)

Kontonika M, Barka E, Roumpi M, Vilaeti AD, **Baltogiannis GG**, Vlahos AP, Agathopoulos S, Kolettis TM. J Electrocardiol. 2016 Oct 18. pii: S0022-0736(16)30274-6. doi: 10.1016/j.jelectrocard.2016.10.004.

2) [Effects of central sympathetic activation on repolarization-dispersion during short-term myocardial ischemia in anesthetized rats.](#)

Kolettis TM, La Rocca V, Psychalakis N, Karampela E, Kontonika M, Tourmousoglou C, **Baltogiannis GG**, Papalois A, Kyriakides ZS. Life Sci. 2016 Jan 1;144:170-7. doi: 10.1016/j.lfs.2015.12.019.

3) [Central Sympathetic Activation and Arrhythmogenesis during Acute Myocardial Infarction: Modulating Effects of Endothelin-B Receptors.](#)

Kolettis TM, Kontonika M, Barka E, Daskalopoulos EP, **Baltogiannis GG**, Tourmousoglou C, Papalois A, Kyriakides ZS. Front Cardiovasc Med. 2015 Feb 23;2:6. doi: 10.3389/fcvm.2015.00006.

4) [Contribution of the Endothelin System to the Genesis and Maintenance of Atrial Fibrillation: Review of the Literature and Clinical Implications.](#)

Baltogiannis GG, Kolettis TM, Chierchia GB, Sieira J, di Giovanni G, Brugada P. Hellenic J Cardiol. 2015 Jul-Aug;56(4):279-84. Review.

5) [Arrhythmogenesis after acute myocardial necrosis with and without preceding ischemia in rats.](#)

Kolettis TM, Kontonika M, Valenti MC, Vilaeti AD, **Baltogiannis GG**, Papalois A, Kyriakides ZS. J Basic Clin Physiol Pharmacol. 2014 May 1;25(2):143-53. doi: 10.1515/jbcpp-2013-0117.

6) [Transforming growth factor- \$\beta\$ inhibition and endothelin receptor blockade in rats with monocrotaline-induced pulmonary hypertension.](#)

Megalou AJ, Glava C, Vilaeti AD, Oikonomidis DL, **Baltogiannis GG**, Papalois A, Vlahos AP, Kolettis TM. Pulm Circ. 2012 Oct;2(4):461-9. doi: 10.4103/2045-8932.105034.

7) [Endothelin-B Receptors and Left Ventricular Dysfunction after Regional versus Global Ischaemia-Reperfusion in Rat Hearts.](#)

Bibli SI, Toli EV, Vilaeti AD, Varnavas VC, **Baltogiannis GG**, Papalois A, Kyriakides ZS, Kolettis TM. *Cardiol Res Pract.* 2012;2012:986813. doi: 10.1155/2012/986813.

8) [Chronic skeletal muscle ischemia preserves coronary flow in the ischemic rat heart.](#)

Varnavas VC, Kontaras K, Glava C, Maniotis CD, Koutouzis M, **Baltogiannis GG**, Papalois A, Kolettis TM, Kyriakides ZS. *Am J Physiol Heart Circ Physiol.* 2011 Oct;301(4):H1229-35. doi: 10.1152/ajpheart.00232.2011.

9) [Chronic skeletal muscle ischemia in rats decreases the inducibility of ventricular tachyarrhythmias after myocardial infarction.](#)

Maniotis C, Tsalikakis DG, Tzallas AT, Varnavas V, Kontaras K, Glava C, **Baltogiannis GG**, Papalois A, Kolettis TM, Kyriakides ZS. *In Vivo.* 2011 Sep-Oct;25(5):781-6.

10) [Transforming growth factor- \$\beta\$ inhibition attenuates pulmonary arterial hypertension in rats.](#)

Megalou AJ, Glava C, Oikonomidis DL, Vilaeti A, Agelaki MG, **Baltogiannis GG**, Papalois A, Vlahos AP, Kolettis TM. *Int J Clin Exp Med.* 2010 Oct 23;3(4):332-40.

11) [Do endothelin receptor antagonists have an antiarrhythmic potential during acute myocardial infarction? Evidence from experimental studies.](#)

Oikonomidis DL, **Baltogiannis GG**, Kolettis TM. *J Interv Card Electrophysiol.* 2010 Sep;28(3):157-65. doi: 10.1007/s10840-010-9493-5. Epub 2010 Jun 8. Review.

12) [Endothelin-B receptors and ventricular arrhythmogenesis in the rat model of acute myocardial infarction.](#)

Oikonomidis DL, Tsalikakis DG, **Baltogiannis GG**, Tzallas AT, Xourgia X, Agelaki MG, Megalou AJ, Fotopoulos A, Papalois A, Kyriakides ZS, Kolettis TM. *Basic Res Cardiol.* 2010 Mar;105(2):235-45. doi: 10.1007/s00395-009-0066-7.

13) [Effects of dual endothelin receptor blockade on sympathetic activation and arrhythmogenesis during acute myocardial infarction in rats.](#)

Kolettis TM, **Baltogiannis GG**, Tsalikakis DG, Tzallas AT, Agelaki MG, Fotopoulos A, Fotiadis DI, Kyriakides ZS. *Eur J Pharmacol.* 2008 Feb 2;580(1-2):241-9.

14) [Comparative effects of acute vs. chronic oral amiodarone treatment during acute myocardial infarction in rats.](#)

Kolettis TM, Agelaki MG, **Baltogiannis GG**, Vlahos AP, Mourouzis I, Fotopoulos A, Pantos C. *Europace.* 2007 Nov;9(11):1099-104.

15) [Characterisation of a rat model of pulmonary arterial hypertension.](#)

Kolettis T, Vlahos AP, Louka M, Hatzistergos KE, **Baltogiannis GG**, Agelaki MM, Mitsi A, Malamou-Mitsi V. *Hellenic J Cardiol.* 2007 Jul-Aug;48(4):206-10.

16) [Comparative antiarrhythmic efficacy of amiodarone and dronedarone during acute myocardial infarction in rats.](#)

Agelaki MG, Pantos C, Korantzopoulos P, Tsalikakis DG, **Baltogiannis GG**, Fotopoulos A, Kolettis TM. *Eur J Pharmacol.* 2007 Jun 14;564(1-3):150-7.

17) [Growth hormone decreases phase II ventricular tachyarrhythmias during acute myocardial infarction in rats.](#)

Elaiopoulos DA, Tsalikakis DG, Agelaki MG, **Baltogiannis GG**, Mitsi AC, Fotiadis DI, Kolettis TM. Clin Sci (Lond). 2007 Jun;112(7):385-91.

18) [Early, intracoronary growth hormone administration attenuates ventricular remodeling in a porcine model of myocardial infarction.](#)

Mitsi AC, Hatzistergos KE, Niokou D, Pappa L, **Baltogiannis GG**, Tsalikakis DG, Papalois A, Kyriakides ZS, Malamou-Mitsi V, Kolettis TM. Growth Horm IGF Res. 2006 Apr;16(2):93-100.

19) [Endothelin receptor--a blockade decreases ventricular arrhythmias after myocardial infarction in rats.](#)

Baltogiannis GG, Tsalikakis DG, Mitsi AC, Hatzistergos KE, Elaiopoulos D, Fotiadis DI, Kyriakides ZS, Kolettis TM. Cardiovasc Res. 2005 Sep 1;67(4):647-54.

20) [Early, selective growth hormone administration may ameliorate left ventricular remodeling after myocardial infarction.](#)

Mitsi AC, Hatzistergos K, **Baltogiannis GG**, Kolettis TM. Med Hypotheses. 2005;64(3):582-5.

Other publications: 41 more in major journals such as Heart Rhythm, Journal of American College of Cardiology, American Journal of Cardiology, Europace dealing with atrial fibrillation treatments (ablation procedures), Brugada Syndrome and other clinical entities.

List of relevant previous projects or research activities

- 1) Endothelin receptor antagonists in left ventricular remodeling and arrhythmogenesis in the rat model of myocardial infarction
- 2) Growth hormone administration in the rat model of myocardial infarction and its left ventricular remodeling and arrhythmias
- 3) Antiarrhythmic efficacy of amiodarone and dronedarone during acute myocardial infarction in rats.
- 4) Transforming growth factor and pulmonary arterial hypertension in rats.
- 5) Chronic skeletal muscle ischemia and coronary flow in the ischemic rat heart.
- 6) Effects of central sympathetic activation on repolarization-dispersion during short-term myocardial ischemia in anesthetized rats.