

CURRICULUM VITAE

STAMATIOU C. RODOPI

Biologist

PhD in medical physiology

post doctorate researcher
PHYSIOLOGY LABORATORY
MEDICAL DEPARTMENT
SCHOOL OF HEALTH SCIENCES
UNIVERSITY OF THESSALY

January 2022

PERSONAL INFORMATION

LAST NAME: Stamatiou
FIRST NAME: Rodopi
PLACE-DATE OF BIRTH: Thessaloniki, 10th April 1980
FATHER'S NAME: Christos
FAMILY STATUS: Married, 2 children
ADDRESS: Omorphohori Larissas
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LANGUAGES: English (fluently), German (very good)

EDUCATION

Pre graduate education

1998: Graduation from the 4th General Lyceum of Larissa, degree: 19,2/20
1999 – 2004: Biology Department, School of Sciences, Aristotle University of Thessaloniki
Degree: 7,4/10

Post graduate education

2005-2010: Doctorate in Medical Physiology. PhD thesis: Physiology Laboratory, Medical Department, School of Health Sciences, University of Thessaly. Factors that affect the proliferation of cells of the respiratory system. Thesis degree: 10/10

Seminars

- 2006 Working seminars “Methodology of Research”. Hellenic Society of Social Medicine. Larissa, Greece.
- 2007 Medical data statistical analysis using the SPSS program. Seminar. Biomathematics Laboratory, Medical Department, School of Health Sciences, University of Thessaly.
- 2010 1st Scientific meeting of Physiology Laboratories. Hellenic Society of Physiology, Physiology Laboratory, Medical Department, School of Health Sciences, University of Thessaly.
- 2018-2020
- FUNDING, webinar series, Researcher Academy, Elsevier
 - RESEARCH DATA MANAGEMENT, webinar series, Researcher Academy, Elsevier
 - Conference skills for researchers, Seven strategies for scientists to communicate their research and create a brand, webinar of the ENSURING VISIBILITY webinar series, Researcher Academy, Elsevier
 - Using proper manuscript language, webinar of the WRITING SKILLS webinar series, Researcher Academy, Elsevier
 - How to write case reports, webinar of the TECHNICAL WRITING SKILLS webinar series, Researcher Academy, Elsevier
 - The key to successful academic collaborations, webinar of the RESEARCH COLLABORATIONS webinar series, Researcher Academy, Elsevier
 - How to write a lay summary, webinar of SOCIAL IMPACT webinar series, Researcher Academy, Elsevier
 - Next generation RNA therapeutics. Background and clinical development in CV disease, 16 March 2020. Heart Failure Association, ESC, European Society of Cardiology.
 - Research funding. 11 June 2020. Let Pub learning Nexus.
 - Writing and proposal submission in the Erasmus+ KA2 European funding program, 30 June 2020. Webinar, University of Thessaly, Cyprus European Office.

- Building and Maintaining an International Research Program. 10 July 2020. Let Pub learning Nexus.
- Real Skills for Scientists, July 2020. Webinar series. National Documentation Center.
- 55th Summer School 2020, 13-17 July 2020. National Research Center Democritus.
- It's Physiology Teaching – But Not As We Know It, 30 July 2020. Webinar, Physiological Society.
- ESC Congress 2020 – The Digital Experience, 29 August to 1 September 2020, ESC, European Society of Cardiology.
- Transforming Your Manuscript into an Engaging Scientific Talk, 11 September 2020, Let Pub learning Nexus.
- How to publish your research in Nature and the Nature Research Journals, 17 September 2020, Account Development Europe, Springer Nature.
- Single cell analysis in atherosclerosis, Working Groups Webinar, 22 September 2020, ESC, European Society of Cardiology.
- Certified Peer Reviewer Course, 23 September 2020, Researcher Academy, Elsevier.
- Understanding Human Pulmonary Fibrosis using Single-Cell Technologies, 6 October 2020, Genome Webinar.
- An Editor's Guide to Successful Peer Review, 9 October 2020, Let Pub learning Nexus.
- How do we set up a heart team, how do we deliver the therapy to the patients HFA Webinar, 21 October 2020, Heart Failure Association, ESC, European Society of Cardiology.
- Mastering Statistics – Your Questions Answered, 13 November 2020, Let Pub learning Nexus.
- Essential Academic Documents to Ensure Career Success, 15 December 2020, Let Pub learning Nexus.
- Council Webinar: Blood pressure measurement at the time of Covid-19. The role of home blood pressure monitoring, 25 January 2021, ESC, European Society of Cardiology

2021

- ESC Webinars Series - Sports Cardiology. Focus on sports and cardiovascular health: where you draw the line? 9 February 2021, ESC, European Society of Cardiology
- WG Webinar: Exosomes - what are they and how can they benefit in ischemic heart disease? 23 February 2021, ESC, European Society of Cardiology
- Educational webinar: Strategies for Identifying the Best Journal for Publication, April 16 2021, Let Pub learning Nexus.
- Event: Future Physiology 2021, 19-22 April 2021, Physiological Society.
- Educational webinar: Multidisciplinary Management of CKD: Perspective from Europe and Canada, May 20 2021, North American Center for Continuing Medical Education (NACCME).
- ACVC Webinar: Ventilation in acute heart failure, 3 June 2021, Association for Acute Cardiovascular Care, ESC, European Society of Cardiology
- EACVI webinar: Cardiovascular involvement in COVID-19 patients: multimodality imaging for diagnosis, risk stratification and management, 10 June 2021, European Association of Cardiovascular imaging, ESC, European Society of Cardiology
- EuroCVP 2021, the Annual Meeting of the ESC Working Group on Cardiovascular Pharmacotherapy, 10-12 June 2021, ESC, European Society of Cardiology
- Event: Support Physiology Teaching in Healthcare using Technology, 16-19 July 2021, Physiological Society, Queen Mary University of London.
- Event/webinar: New roles for ion channels and transporters in health and disease, 2-3 September 2021, Physiological Society
- 2021 Symposium Women positively (Γυναίκες+), 1-3 October 2021, Greek Women in STEM.
- Event/webinar: Ionotropic glutamate receptors: structure, function and dysfunction, 5 October 2021, Physiological Society.
- qPCR, Liquid Biopsies, Flow Cytometry, 6-8 December 2021, London, Global Engage.

2019 Training program “Clinical Trials, Good Clinical Practice for the busy Investigator”, Good Clinical Practice, GCP certification. Working Group on Cardiovascular Pharmacotherapy, ESC, European Society of Cardiology.

TECHNICAL EXPERTISE

- Cell isolation, cell culture.
- Cell proliferation and viability (MTT, Trypan blue staining), wound healing assay, cell contractions evaluation.
- Molecular techniques such as Western blotting, immunohistochemistry, immunofluorescence, radioactive incorporation, membrane receptors' isolation.
- Protein concentration evaluation techniques such as Bradford, Bromocresol Green Staining, ELISA.
- DNA synthesis evaluation with [H^3]-methyl-thymidine incorporation method.
- DNA/RNA isolation.
- Experimental animal handling and experimental animal surgeries.
- Pericardial and Endocardial Monophasic Action Potential recording.
- Human sample handling.
- Mucus dilution technique in human bronchial secretions (development and performance).

ACADEMIC CAREER

2020 Teaching of Applied Physiology and Physiology to pre graduate students as a scientific associate, in the level of an associate professor. Public and Integrated Health Department, School of Health Sciences, University of Thessaly, Karditsa, Greece.

2010-2011 Teaching of Physiology to pre graduate students as a scientific associate, in the level of a lecturer. Medical Department, School of Health Sciences, University of Thessaly, Larissa, Greece.

2010-today Post- doctorate researcher. Medical Department, School of Health Sciences, University of Thessaly.

TEACHING EXPERIENCE

PRE-GRADUATE TEACHING

- 2005 – 2018 Participation in the experimental lessons of Human Physiology, Neurophysiology and Endocrinal Physiology and Vascular Physiology of the Laboratory of Physiology, Medical Department, School of Health Sciences, University of Thessaly, Larissa, Greece.
- 2010 – 2011 Teaching of Physiology to pre graduate students as a scientific associate. Medical Department, School of Health Sciences, University of Thessaly, Larissa, Greece.
- 2010 - 2011 Teaching of Physiology to pre graduate students as a scientific associate. Department of Medical Laboratories, School of Medical Sciences, Technological Institute of Thessaly, Larissa, Greece.
- 2018 Teaching of “Behavioral Physiology”. Academic Scholarship from the Medical Department, School of Health Sciences, University of Thessaly, Larissa, Greece.
- 2019-2020 Teaching of “Behavioral Physiology”. Medical Department, School of Health Sciences, University of Thessaly, Larissa, Greece.
- 2004-today Teaching of Biology, Physiology and Biochemistry and preparation of students for University examinations and Biology contests.

POST- GRADUATE TEACHING

- 2015 Participation in experimental procedures of the students in the Master’s Program “Primary health care” of the Medical Department, School of Health Sciences, University of Thessaly, Larissa, Greece.
- 2016-2018 University Scholarship, Medical Department, School of Health Sciences, University of Thessaly – Post graduate Masters’ program "Clinical Applications of Molecular Medicine”. Teaching of “Membrane Biophysics”, University of Thessaly. NSRF, PA 2014-2020, Human Resources Development – Education and Life Long Learning Operational Program.

- 2020-21 Teaching of Research methodology, Medical Department, School of Health Sciences, University of Thessaly MSc in Critically Illness
- 2020-21 Teaching of Membrane Biophysics, Medical Department, School of Health Sciences, University of Thessaly – Post graduate Masters’ program "Clinical Applications of Molecular Medicine.

SCIENTIFIC PUBLICATIONS

Monographs

1. Doctorate thesis: " Factors that affect the cell proliferation of the respiratory system. "

Chapters in books

1. Isaac Aidonidis, **Rodopi Stamatiou**, Sotirios Zarogiannis, Chrissi Hatzoglou, Konstantinos Gourgoulis and Paschalis-Adam Molyvdas. Basics of Cardiac Physiology. *Frontiers in Heart Failure*, 2016, Vol. 1, 26-39

Scientific publications

1. Publications in international research journals

1. **Stamatiou R**, Tsolaki V, Hatziefthimiou A, Zakyntinos E, Makris D. Evaluation of airway inflammation in mechanically ventilated patients using cell count and protein concentration. *Sci Rep*. 2021 Oct 5;11(1):19803. doi: 10.1038/s41598-021-99262-4.
2. I. Aidonidis, V. Simopoulos, K. Dipla, A. Hatziefthimiou, **R. Stamatiou**, I. Skoularigis, P-A Molyvdas, Effects of Ranolazine and its Combination with Amiodarone on Rapid Pacing-induced Reentrant Atrial Tachycardia in Rabbits. *J Innov Cardiac Rhythm Manage*. 2021; 12(3): 4421–4427, DOI: 10.19102/icrm.2021.120304
3. I. Aidonidis, V. Simopoulos, S. Stravela, K. Dipla, **R. Stamatiou**, A. Hatziefthimiou, P-A. Molyvdas. Ranolazine depresses conduction of rapid atrial depolarizations in a beating rabbit heart model. *2020 Journal of Interventional Cardiac Electrophysiology* <https://doi.org/10.1007/s10840-020-00865-0>.
4. Vasiliki Trantou, Dimitrios V Moysidis, **Rodopi Stamatiou**, Andreas S Papazoglou, Maria Kotoula, Isaac Aidonidis, Ioannis Skoularigis, Nikolaos Tsilimingas, Tsironi

- Evangelia. Visual Function Markers in Cardiac Surgery-Impact of Fundus Fluorescein Angiography in Assessing Ocular Circulation. *J Surg Res* 2020; 3 (2): 102-111.
5. **Stamatiou Rodopi**, Paraskeva Efrosini, Vasilaki Anna, Hatziefthimiou Apostolia. The muscarinic antagonist gallamine induces proliferation of airway smooth muscle cells. *Pharmacological Reports*, 71 (2019) 225–232.
 6. **Rodopi Stamatiou**, Efrosini Paraskeva, Anna Vasilaki, Ilias Mylonis, Paschalis Adam Molyvdas, Konstantinos Gourgoulisanis, Apostolia Hatziefthimiou. Long-term exposure to muscarinic agonists decreases expression of contractile proteins and responsiveness of rabbit tracheal smooth muscle cells. *BMC Pulmonary Medicine* 2014, 14:39.
 7. **Stamatiou R.**, Petinaki E., Hatziefthimiou A. The effect of Panton-Valentin leukocidin (PVL) on the airway smooth muscle. *Open Journal of Molecular and Integrative Physiology*, 2013, 3, 42-47 *OJMIP*.
 8. Stamatina Tsapournioti, Apostolia Hatziefthimiou, Maria G. Ioannou, **Rodopi Stamatiou**, Ilias Mylonis, Georgios K. Koukoulis, George Simos, Paschalis-Adam Molyvdas and Efrosyni Paraskeva. Crosstalk between inflammation and hypoxia in the airways: TNF α induces HIF-1 α protein and mRNA in Airway Smooth Muscle Cells via an NF- κ B/ROS dependent pathway, but inhibits HRE-dependent transcriptional activity under hypoxia. *J. Cell. Physiol.* 2013, 228: 1745–1753.
 9. **R. Stamatiou**, E. Paraskeva, K. Gourgoulisanis, P.-A.Molyvdas, A. Hatziefthimiou. Cytokines and Growth Factors Promote Airway Smooth Muscle Cell Proliferation. *ISRN Inflammation* 2012.
 10. **Stamatiou R**, Paraskeva E, Papagianni M, Molyvdas P-A, Hatziefthimiou A. The mitogenic effect of testosterone and 17 β -estradiol on airway smooth muscle cells. *Steroids*, 2011.76: 400–408.
 11. **Stamatiou R**, Boukas K, Paraskeva E, Molyvdas PA, Hatziefthimiou A. Azithromycin reduces the viability of human bronchial smooth muscle cells. *Journal of Antibiotics*, 2010. 63:71-75.
 12. **Stamatiou R.**, Paraskeva E., Boukas K., Gourgoulisanis K.I., Molyvdas P.A., Hatziefthimiou A. Azithromycin has an anti-proliferative and autophagic effect on airway smooth muscle cells. *European Respiratory Journal*, 2009. 34:721-730.

13. Kaloyanni M., **Stamatiou R.**, Dailianis S. Zinc and 17 β -estradiol induce modifications in Na⁺ /H⁺ exchanger and pyruvate kinase activity through protein kinase C in isolated mantle/gonad cells of *Mytilus galloprovincialis*. *Comparative Biochemistry and Physiology. Toxicol Pharmacol C*, 2005. 141:257-266.

Reviews

1. **Stamatiou R** and Aidonidis I. Azithromycin and Cardiac Arrhythmias. *Austin J Vasc Med*. 2014, 1: 4.
2. Hatziefthimiou A, **Stamatiou R** (2015). Role of hydrogen sulphide in airways. *World Journal of Respirology*, 5(2): 152-159.
3. Moschovidis, V., Simopoulos, V., Stravela, S., Dipla, K., Hatziefthimiou, A., **Stamatiou, R.**, Aidonidis, I. Dose-Dependent Effects of Ranolazine on Reentrant Ventricular Arrhythmias Induced After Subacute Myocardial Infarction in Rabbits (2020) *Journal of Cardiovascular Pharmacology and Therapeutics*, 25 (1), pp. 65-71.

2. Publications in Greek medical journals

1. Raptis D., **Stamatiou R.**, Hatziefthimiou A. Isolation, characterization and proliferation of vascular smooth muscle cells. The nicardipine effect. *Eleftheroepagelmatias iatros*, vol 43, 2016: 58-65.

3. Conferences' published abstracts

1. Hatziefthimiou Apostolia, **Stamatiou Rodopi**, Paraskeva Efrosini, Salatai Anta, Gourgoulialis Konstantinos, Adam Molyvdas Paschalis (2011). INDUCTION OF AIRWAY SMOOTH MUSCLE PROLIFERATION BY TGF AND BFGF: THE EFFECT OF SEX HORMONES Abstract number: PC043. *Acta Physiologica* 203 (S 686).
2. Hatziefthimiou Apostolia, **Stamatiou Rodopi**, Paraskeva Efrosini, Gianni Eleni, Gourgoulialis Konstantinos, Adam Molyvdas Paschalis (2011). THE EFFECT OF MUSCARINIC RECEPTORS AGONISTS ON AIRWAY SMOOTH MUSCLE CELL PROLIFERATION AND PHENOTYPE Abstract number: PC042. *Acta Physiologica*; 203 (S 686).
3. **R. Stamatiou**, I Aidonidis. Azithromycin induces autophagy in aortic smooth muscle cells. *Cardiovascular Research Supplements (2016) 111 (S1), S66*.

4. **R. Stamatiou**, I. Aidonidis, C Malavaki, A. Hatziefthimiou. The dihydropyridine calcium antagonist nicardipine reduces aortic smooth muscle cell viability, proliferation and migration. *Cardiovascular Research* 114 (suppl 1): S43-S43 (2018).
5. I Aidonidis, V Simopoulos, S Stravela, V Moschovidis, A Hatziefthimiou, **R Stamatiou**, L Wongvivattanakarn, I Skoularigis, P.-A Molyvdas; P5706 Effects of ranolazine on reentrant ventricular arrhythmias induced in the late myocardial infarction period in rabbits, *European Heart Journal*, Volume 39, Issue suppl, 1, 1 August 2018.
6. **R. Stamatiou**, V. Tsolaki, E. Zakyntinos, D. Makris. Standardization of a sampling technic for evaluating airway inflammation in mechanically ventilated patients *Intensive Care Medicine Experimental* 2018, 6(Suppl 2):0766
7. V. Tsolaki, **R. Stamatiou**, E. Manoulakas, E. Zakyntinos, D. Makris. Cellular profiles in bronchial airways of mechanically ventilated patients: a comparison of two types of macroscopically visible bronchial aspirates. *Intensive Care Medicine Experimental* 2018, 6 (Suppl 2):0776
8. **R. Stamatiou**, V. Tsolaki, E. Koutsoumpa, G. Zakyntinos, M. Xintara, D. Makris. Evaluating total protein in aspirates from different sampling methods in mechanically ventilated patients. *Intensive Care Medicine Experimental (2019)*, 7(Suppl 3): 55
9. V. Tsolaki, **R. Stamatiou**, E. Koutsoumpa, G. Zakyntinos, M. Xintara, E. Gerovasileiou, D. Makris. Cellular profiles in different types of bronchial aspirates in mechanically ventilated patients. Is the cellular population affected? *Intensive Care Medicine Experimental (2019)*, 7(Suppl 3): 55
10. E. Golomazou, **R. Stamatiou**, V. Tsolaki, M. Xintara, G. Zakyntinos, D. Makris. DNA fragmentation in bronchoalveolar lavage and bronchial washing of patients under mechanical ventilation *Intensive Care Medicine Experimental (2019)*, 7(Suppl 3): 55

4. International research conferences

1. A. Hatziefthimiou, **R. Stamatiou**, E. Paraskeva, A. Salatai, K. Gourgoulianis, P-A Molyvdas (2011). Induction of airway smooth muscle proliferation by TGF and bFGF: the effect of sex hormones. Turkish Society of Physiological Sciences (TFBD) and European Federation of Physiological Societies (FEPS) Congress Istanbul, Turkey 3-7 September.
2. A. Hatziefthimiou, **R. Stamatiou**, E. Paraskeva, E. Gianni, K. Gourgoulianis, P-A Molyvdas (2011). The effect of muscarinic receptors agonists on airway smooth muscle

cell proliferation and phenotype. Turkish Society of Physiological Sciences (TFBD) and European Federation of Physiological Societies (FEPS) Congress Istanbul, Turkey 3-7 September.

3. S. Tsapournioti, I. Mylonis, A. Hatziefthimiou, M. Ioannou, **R. Stamatiou**, G. Koukoulis, G. Simos, P.A. Molyvdas and E. Paraskeva (2012). TNF α induces HIF-1 α mRNA and protein via NF- κ B but inhibits hypoxic HIF-1 α /ARNT complex formation and HRE-dependent transcriptional activity in Airway Smooth Muscle Cells. HypoxiaNet Meeting “Sensing Hypoxia in the cell and the organism”. Hessen, Germany, October 2012.
4. **R. Stamatiou**, I Aidonidis. (2016) Azithromycin induces autophagy in aortic smooth muscle cells. Frontiers in CardioVascular Biology 2016, Florence, 4th Congress of the ESC Council on Basic Cardiovascular Science.
5. I Aidonidis, V Simopoulos, S Stravela, V Moschovidis, A Hatziefthimiou, **R Stamatiou**, L Wongvivattanakarn, I Skoularigis, P.-A Molyvdas (2018). Effects of ranolazine on reentrant ventricular arrhythmias induced in the late myocardial infarction period in rabbits. ESC congress, Munich, Germany.
6. **R. Stamatiou**, I. Aidonidis, C. Malavaki, A. Hatziefthimiou (2018). “The dihydropyridine calcium antagonist nifedipine reduces aortic smooth muscle cell viability, proliferation and migration”. Frontiers in CardioVascular Biology 2018, Vienna, 20th – 22nd April, Fifth Congress of the ESC Council on Basic Cardiovascular Science.
7. **R. Stamatiou**, E. Paraskeva, A. Vasilaki, A. Hatziefthimiou. The muscarinic receptor modulator gallamine induces proliferation of airway smooth muscle cells. Europhysiology 2018, London, 14th -16th September, European Physiology Society.
8. **R. Stamatiou**, V. Tsolaki, E. Zakyntinos, D. Makris (2018). Standardization of a sampling technic for evaluating airway inflammation in mechanically ventilated patients. ESICM LIVES 2018, 24-26 October Paris, France.
9. V. Tsolaki, **R. Stamatiou**, E. Manoulakas, E. Zakyntinos, D. Makris (2018). Cellular profiles in bronchial airways of mechanically ventilated patients: a comparison of two types of macroscopically visible bronchial aspirates. ESICM LIVES 2018, 24-26 October Paris, France.
10. **R. Stamatiou**, V. Tsolaki, E. Koutsoumpa, G. Zakyntinos, M. Xintara, D. Makris. Evaluating total protein in aspirates from different sampling methods in mechanically ventilated patients. ESICM LIVES 2019, 28th September- 2nd October Berlin, Germany

10. V. Tsolaki, **R. Stamatiou**, E. Koutsoumpa, G. Zakynthinos, M. Xintara, E. Gerovasileiou, D. Makris. Cellular profiles in different types of bronchial aspirates in mechanically ventilated patients. Is the cellular population affected? ESICM LIVES 2019, 28th September- 2nd October Berlin, Germany
11. E. Golomazou, **R. Stamatiou**, V. Tsolaki, M. Xintara, G. Zakynthinos, D. Makris. DNA fragmentation in bronchoalveolar lavage and bronchial washing of patients under mechanical ventilation. ESICM LIVES 2019, 28th September- 2nd October Berlin, Germany.

5. Greek research conferences

1. **Stamatiou R.**, Paraskeva E., Gourgoulisanis K, Molyvdas PA and Hatziefthimiou A. (2007). Azithromycin reduces airway smooth muscle cell proliferation. 16th Congress of Thoracic Diseases, Athens, Greece
2. **Stamatiou R.**, Paraskeva E., Papagianni M., Molyvdas PA., Hatzieuthimiou A. (2007). Testosterone induces proliferation in airway smooth muscle cells. 16th Congress of Thoracic Diseases, Athens, Greece
3. **Stamatiou R.**, Paraskeva E., Gourgoulisanis K., Molyvdas PA., Hatzieuthimiou A (2008). Azithromycin induces autophagy in airway smooth muscle cells. 17th Congress of Thoracic Diseases, Alexandroupolis, Greece
4. **Stamatiou R.**, Boukas K., Paraskeva E., Molyvdas PA., Hatzieuthimiou A. (2009). Azithromycin reduces the viability of human bronchial smooth muscle cells. 18th Congress of Thoracic Diseases, Thessaloniki, Greece
5. **Rodopi Stamatiou**, Euthimia Petinaki, Apostolia Hatzieuthmiou. (2011). The effect of PANTON-VALENTIN leukocidin (PVL) on airway smooth muscle cells. 20th Congress of Thoracic Diseases, Athens, Greece
6. **Stamatiou R.**, Paraskeva E., Vasilaki A., Hatziefthimiou A. (2013) The effect of muscarinic receptor agonists on the phenotype of airway smooth muscle cells. 2nd Scientific Meeting of Physiology Laboratories. Hellenic Physiology Society, Department of Physiology, Medical School, School of Health Sciences, Aristotle University of Thessaloniki. Thessaloniki, Greece.
7. **Stamatiou R.**, Paraskeva E., Vasilaki A., Hatziefthimiou A. (2015) The muscarinic receptor antagonists have a mitogenic effect on airway smooth muscle cells. 37th Scientific Congress of the Greek Society of Biologic Sciences. Volos, Greece.

8. Raptis D., **Stamatiou R.**, Hatziefthimiou A. (2016) Isolation, characterization and proliferation of vascular smooth muscle cells. The nicardipine effect. 22th Greek Medical Students' Scientific Congress (ESFIE). Patras, Greece.
9. Malavaki C., **Stamatiou R.**, Raptis D., Hatziefthimiou A. (2016) The role of voltage dependent Na⁺ channels in the responsiveness and the proliferation of vascular smooth muscle cells. 38th Scientific Congress of the Greek Society of Biologic Sciences. Kavala, Greece.
10. Kopanou A, Bobou E., Dionysopoulos G., Exarchos C., Margonis E., Diamantis A., **Stamatiou R.**, Garoufalis G., Zacharoulis D. (2016) Nutritional evaluation in patients with Whipple Procedure. 30th Panhellenic Surgical Congress and International Surgical Forum "Quality and Security in Surgery", Greek Surgical Association. Thessaloniki, Greece.
11. Tsolaki V., **Stamatiou R.**, Zakyntinos E., Makris D. (2018) Cellular profiles of tracheobronchial aspirates from mechanically ventilated patients. 27th Greek Pulmonary Congress. Athens, Greece.
12. Gogos K., Vasilaki A., Aidonidis I., **Stamatiou R.**, Hatziefthimiou A. (2019) The effect of ischemic preconditioning in aortic wall contractility during ischemia and reperfusion. 41st Scientific Congress of the Greek Society of Biologic Sciences. Katerini, Greece.

FUNDED RESEARCH PROGRAMS

Scientific team member in the following programs:

1. 2004-2006: PYTHAGORAS I Ministry of Education. Fund 90.000 €
Scientific Manager: P-A Molyvdas
Project title: "The effect of insulin in airway cells"
2. Program for the reformation of pre graduate studies of Medicine students. Medical Department, School of Health Sciences, University of Thessaly

Scientific Manager: P-A Molyvdas

Project title: "*Biological applications in experimental arrays*"
3. 2006-2009: Boehringer Ingelheim Pharma GmbH & Co. KG. Fund: 77.000 €
Scientific Manager: P-A Molyvdas, K Gourgoulianis
Project title: "*The effect of muscarinic receptors antagonists on the proliferation of the respiratory system cells*".

4. 2011-2012: Boehringer Ingelheim Pharma GmbH & Co. KG. Fund: 60.000 €
Scientific Manager: P-A Molyvdas, K Gourgoulianis
Project title: “*Characterization of muscarinic receptors of human and rabbit cultured airway smooth muscle cell*”.
5. 2017-2018: Municipality of Thessaly. Fund: 30.000 €
Project title: “*Descriptive study of mortality and morbidity of neoplastic, cardiovascular and respiratory diseases in the Municipality of Thessaly*”.

MEMBERSHIPS

- 1 Greek Physiologic Society
- 2 Physiological society
- 3 Working Group on Atherosclerosis and Vascular Biology, European Society of Cardiology
- 4 Working Group on Cardiovascular Pharmacotherapy, European Society of Cardiology
- 5 Council on Basic Cardiovascular Science, European Society of Cardiology
- 6 Greek women in STEM. Mentoring program.

Reviewer

- 2014:** Scientific Reports, Nature Research (1 paper)
2016-2018: Pulmonary Research and Respiratory Medicine (4 papers)
2020: BIOCELL (2 papers)
2020: Cell press Protocols (1 paper)

Editorial board member

- Austin Journal of Vascular Medicine
- Pulmonary Research and Respiratory Medicine - Open Journal

PARTICIPATION IN CONFERENCES AS AN INVITED SPEAKER

1. “Pulmonology Days”, Hellenic Pulmonology Society, Department of Respiratory Medicine, University Hospital, University of Thessaly. Larissa 22-24 September 2006, Greece.
Presentation: “The effect of sex hormones in airway remodeling”.
2. 2nd Microscopy Congress, Global Engage, as an invited chairman of the “Image processing and Data Analysis” session. 14-16 November 2016, London, UK.
3. 23rd Greek Medical Students’ Scientific Congress (ESFIE). Larissa 12-14 May 2017, Greece. Member of the chair in the session “Autophagy: role in disease and treatment”.
4. International Scientific Symposium Current Research in Physiology 21 June 2019. Trakya University Faculty of Medicine Department of Physiology. Edirne, Turkey.
Presentation: “Factors that affect airway remodeling”.

SCHOLARSHIPS

2016-2017 and 2017-2018:

University Scholarship, postgraduate program “Clinical applications of Molecular Medicine”. Teaching of “Membrane Biophysics”, University of Thessaly. NSRF, PA 2014-2020, Human Resources Development – Education and Life Long Learning Operational Program.

2018-2019:

Academic Scholarship from the Medical Department, School of Health Sciences, University of Thessaly. Teaching “Behavioral Physiology”.

2020-2021:

University Scholarship, pre graduate program. Teaching of Physiology and Applied Physiology, Public and Integrated Health Department, School of Health Sciences, University of Thessaly, Karditsa, Greece. NSRF, PA 2019-2021, Human Resources Development – Education and Life Long Learning Operational Program.

SCIENTIFIC DISTINCTIONS

1. **Best oral presentation award** for the presentation of the project “Isolation, characterization and proliferation of vascular smooth muscle cells. The effect of nicardipine”. Raptis Dinitrios, **Stamatiou Rodopi**, Hatziefthimiou Apostolia, 22nd Scientific congress of Medical Students and 10th International Forum of Medical Students and New Doctors, Greece 2016.
2. **Best poster award** from the Hellenic Thoracic Society for the presentation of the project “The effect of PANTON-VALENTIN leukocidin (PVL) on airway smooth muscle cells.” **Rodopi Stamatiou**, Euthimia Petinaki, Apostolia Hatzieuthmiou. 20th Congress of Thoracic Diseases (2011).
3. **Best poster award** from the Federation of European Physiology for the presentation of the project “Induction of airway smooth muscle proliferation by TGF and bFGF: the effect of sex hormones” **Stamatiou Rodopi**, Hatziefthimiou Apostolia, Paraskeva Efrosini, Salatai Anta, Gourgoulianis Konstantinos, Adam Molyvdas Paschalis. Turkish-FEPS Congress (2011).
4. **Best poster award** from the Hellenic Thoracic Society for the presentation of the project “Azithromycin reduces the viability of human bronchial smooth muscle cells”. **Stamatiou R.**, Boukas K., Paraskeva E., Molyvdas PA., Hatzieuthimiou A. 18th Congress of Thoracic Diseases (2009).

The paper: Stamatiou R, Paraskeva E, Papagianni M, Molyvdas P-A, Hatziefthimiou A (2011). The mitogenic effect of testosterone and 17 β -estradiol on airway smooth muscle cells. *Steroids* 76(4):400-408, was evaluated by the member of the Faculty of 1000 (F1000) YS Prakash and was included in the library of the top 2% of published papers in the field of biology and medicine.

MEMBER IN SCIENTIFIC COMMITTEES

1. Member of the Scientific Committee of the 22nd Greek Medical Students’ Scientific Congress (ESFIE). Patras, Greece. 13-15 May 2016.
2. Member of the Scientific Committee of the 23rd Greek Medical Students’ Scientific Congress (ESFIE). Larissa, Greece. 12-14 May 2017.