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Curriculum Vitae

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EDUCATION:

University: School of Pharmacy, University of Patras, Patras, Greece; 1985-1989. Degree: B. Pharm

Graduate: Department of Pharmacology and Toxicology, Medical College of Georgia, USA; 1990-1994; Degree: Ph.D. in Pharmacology

Postdoctoral: Vascular Biology Center, Medical College of Georgia, USA; 1994-1995

Boyer Center for Molecular Medicine & Department of Pharmacology, Yale University School of Medicine; 1995-1998

ACADEMIC APPOINTMENTS:

1999-2003: Assistant Professor of Pharmacology, School of Nursing, National and Kapodistrian University of Athens, Greece

2003-2009 Associate Professor of Molecular Pharmacology, Department of Pharmacy, University of Patras, Greece

2009-2013 Professor of Pharmacology, Department of Pharmacy, University of Patras, Greece

2013-present Professor of Pharmacology, Faculty of Pharmacy, National and Kapodistrian University of Athens, Greece

SECONDARY AND ADJUNCT APPOINTMENTS:

2000-2008: Group Leader, "G. P. Livanos" Laboratory, Dept of Critical Care and Pulmonary Services, National and Kapodistrian University of Athens School of Medicine, Greece

2008-2017: Adjunct Professor, Department of Medicine, McGill University, Canada

2011-2013: Honorary Professor, Department of Pharmacology, University of Maastricht, The Netherlands

2011-present Adjunct Professor, Department of Anesthesiology University of Texas Medical Branch, Galveston, USA

2012-present: Affiliated Investigator, Biomedical Research Foundation of the Academy of Athens, Greece

2014-present Professor, Faculty of Medicine, 1st Department of Critical Care and Pulmonary Services, Evangelismos Hospital, National and Kapodistrian University of Athens, Greece

VISITING PROFESSORSHIPS:

1999-2001: Department of Pharmacology, Yale University School of Medicine, USA
2007: Department of Surgery, University of Dentistry and Medicine New Jersey, USA (July-August)
2011: Biomedical Research Foundation of the Academy of Athens, Greece (February-June)
2014-2016 Department of Pharmacy, University of Patras, Greece
2017 Cardiovascular Center of Excellence, Louisiana State University Health Sciences Center, New Orleans, USA (July-December)

SCIENTIFIC ADVISORY BOARDS

2020-present Bioactive Natural Products Steering Center of Excellence, National and Kapodistrian University of Athens, Greece, Member of the Steering Committee
2020-present Scientific Board, Biomedical Research Foundation of the Academy of Athens, Member
2021-present Research Unit, Onassis Cardiac Surgery Center, Scientific Committee, Member

LICENSURES: Board Certified in Pharmacy, Athens, Greece, 1990

CERTIFICATIONS: Open and Distance Learning, Hellenic Open University, 2018

PROFESSIONAL ACTIVITIES

Institutional Committees:

2005-2016 Curriculum Committee, Hellenic Open University
2010-2013 Internal Accreditation and Evaluation Committee, Department of Pharmacy, University of Patras
2009-2011 Member (substitute) of the University of Patras Research Committee Governing Body
2014-2018 Curriculum Committee, Faculty of Pharmacy, National and Kapodistrian University of Athens
2015-2018 Internal Accreditation and Evaluation Committee, Faculty of Pharmacy, National and Kapodistrian University of Athens
2020-now Head of the Curriculum Committee, Faculty of Pharmacy, National and Kapodistrian University of Athens

Administrative appointments and other activities:

Intramural

2006-2013 Director, Lab for Molecular Pharmacology, University of Patras
2005-2009 and Vice Chairman (elected), Department of Pharmacy, University of Patras
2011-2013 Graduate Program Director, Department of Pharmacy, University of Patras
2010-2013 Director, Lab of Pharmacology, National and Kapodistrian University of Athens
2016-present Vice Chairman (elected), Department of Pharmacy, National and Kapodistrian University of Athens
2020-2024 Director of Postgraduate Studies, Department of Pharmacy, National and Kapodistrian University of Athens

National

2003-2007 Elected Member of the Board, Greek Society for Pharmacology
 2009-2013 Pharmacopoeia Committee, National Organization for Medicines
 2013-2017 Greek Society for Basic and Clinical Pharmacology, President
 2015-2023 National Pharmacy Board Examination Committee, Examiner

International

2007 National Delegate, European Medicines Agency, Pediatric Committee
 2007-present European Medicines Agency expert
 2011-present European Network on Gasotransmitters, Chair
 2014-2015 International Union of Pharmacology (IUPHAR) General Assembly member
 (National Delegate)
 2014-2016 European Federation of Pharmacological Societies General Assembly member
 (National Delegate)
 2014-present NC-IUPHAR Co-chair for gasotransmitters
 2016-2022 Secretary General, EPHAR (European Federation of Pharmacological Societies)
 2022-2024 President, EPHAR

International jury and board positions

2015 LifePharm Award Committee, Italian Society of Pharmacology
 2016-2020 Expert Advisory Board, Innovative Training Network Horizon2020, “European
 Vascular Interventions and Therapeutic Innovation Network”
 2018-present Prix Galien (Greece), Member of the Awards Committee, member
 2018-present ASPET Cardiovascular Pharmacology Awards Committee, member

Editorial boards

Editorial board member

1998-2010 Vascular Pharmacology
 2009-2018 British Journal of Pharmacology
 2019-2023 British Journal of Pharmacology, Reviews Editorial Board
 2010-present Arteriosclerosis, Thrombosis and Vascular Biology
 2012-2022 Journal of Pharmacology & Experimental Therapeutics
 2015-present Nitric Oxide Biology and Chemistry
 2020-present Antioxidants
 2021-present Frigid Zone Medicine
 2021-present Pharmacology
 2022-present Frontiers in Pharmacology, Reviews Editor

Associate/Senior Editor

2023-present British Journal of Pharmacology, Senior Editor
 2022-present Pharmacological Research, Associate editor

Guest Editor

2015 Themed Issue on “Gasotransmitters” *Br. J. Pharmacol.* (Papapetropoulos, Ferdinandy, Foresti)
 2016 Special Issue on “Drugs and druggable targets in angiogenesis” *Pharmacol Res.* (Papapetropoulos, Morbidelli)
 2018 Themed Issue on “Drug Repurposing” *Br. J. Pharmacol.* (Papapetropoulos, Szabo)
 2020 Themed Issue on “Hydrogen Sulfide in Biology & Medicine” *Br. J. Pharmacol.* (Papapetropoulos, Wallace, Wang)

- 2021 Research Topic Issue on "Interplays and Functions of Gaseous Mediators: From Underlying Mechanisms to Therapeutic Approaches in Cardiovascular Diseases, *Front Pharmacol*, (Brancaleone, Papapetropoulos, Mitidieri)
- 2021 Special Issue on "E-Cigarettes and Health" *Toxics* (Topouzis, Papapetropoulos)

MEMBERSHIP IN SOCIETIES (year joined):

American Heart Association (2007)
American Society for Biochemistry and Molecular Biology (2004)
American Society for Pharmacology and Experimental Therapeutics (1993)
American Physiological Society (2010)
British Society for Pharmacology (2003)
European Society for Cardiology, Heart Failure Association (2014)
European Vascular Biology Organization (2011)
North American Vascular Biology Organization (1996)
Nitric Oxide Society (2014)
Southeastern Pharmacology Society (1991)
Greek Pharmacological Society (1998)
Greek Union of Pharmacists (1998)

REVIEWER in peer reviewed journals:

Acta Pharmacologica Sinica	Expert Opinion on Drug Discovery
American Journal of Pathology	FASEB Journal
American Journal of Physiology	FEBS Letters
American Journal of Respiratory and Critical Care Medicine	Free Radicals Biology & Medicine
American Journal of Respiratory Cell and Molecular Biology	Frontiers in Oncology
Antioxidants and Redox Signaling	General Pharmacology
Arteriosclerosis, Thrombosis, Vascular Biology	Hepatology
Biochemical Biophysical Acta	International Journal of Cardiology
Biochemical Pharmacology	International Journal of Biochemistry and Cell Biology
Biochemistry and Cell Biology	Journal of Applied Physiology
BMC Cell Biology	Journal of Biological Chemistry
British Journal of Anesthesia	Journal of Cellular and Molecular Medicine
British Journal of Pharmacology	Journal of Clinical Investigation
Cancer Letters	Journal of Medicinal Chemistry
Cardiovascular Drugs and Therapy	Journal of Molecular Endocrinology
Cardiovascular Research	Journal of Molecular Medicine
Cell and Tissue Research	Journal of Pharmacology and Experimental Therapeutics
Cellular Biochemistry and Biophysics	Journal of Pharmacy and Pharmacology
Circulation	Journal of Thrombosis and Hemostasis
Circulation Research	Journal of Vascular Research
Chemistry and Medicinal Chemistry	Life Sciences
Current Medicinal Chemistry	Medicinal Chemistry Communications
Current Pharmaceutical Design	Mitochondrion
Cytokine	Molecular Medicine
European Respiratory Journal	Molecular Neurobiology
European Journal of Pharmacology	Molecular Pharmacology
Experimental Physiology	Nature Chemical Biology
Expert Opinion on Investigational Drugs	Nature Reviews Drug Discovery

Nature Reviews Cardiology
Nitric Oxide
Oncogene
Oxidative Medicine and Cellular Longevity
Pediatric Allergy and Immunology
Pharmacological Research
Pharmacology
PLOSone

Proceedings of the Society for Experimental
Biology and Medicine
Proteins
Redox Biology
Respiratory Research
Scientific Reports
Science Advances
Singal Transduction and Targeted Therapy
Trends in Immunology

REVIEWER (granting agencies)

General Secretariat of Research and Technology (Greece), 2003, 2010, 2017, 2020
Associazione Italiana per la Ricerca sul Cancro (Italy), 2004
National Medical Research Council (Singapore), 2005-2007, 2009
Health Research Board (Ireland), 2005
State Scholarship Foundation IKY (Greece), 2006
Medical Research Council (UK), 2006
University of Gent (Belgium), 2009
French National Research Agency 2011-2012
Romanian National Council for Scientific Research, 2012
Czech Science Foundation, 2012
Research Foundation-Flanders (Belgium), 2013
National Centre for Research and Development (Poland), 2014
Biotechnology and Biological Sciences Research Council (UK), 2014
Diabetes UK, 2015
Northcott Devon Medical Foundation (UK), 2015
European Union, Cooperation in Science and Technology, 2015
Slovak Academy of Sciences (VEGA)/Ministry of Education, Science, Research and Sport, Slovak Republic, 2016
Hellenic Ministry of Education, 2017
Onassis Foundation (Greece), 2017-present
United States Army Research Office, 2017
Chilean National Science and Technology Commission, 2017
National Science Center (Poland), 2018, 2020
Medical Research Council (UK), 2018
Israel Science Foundation, 2019
Patras Science Park (Greece), 2019
University of Timisoara (Romania), 2019
Medical Research Council (UK), 2019
St Barts Hospital Trust funded clinical PhD studentships (UK), 2020
British Heart Foundation (UK), 2021
State Scholarship Foundation IKY (Greece) 2022
Swiss National Science Foundation, 2017, 2022
“La Caixa” Foundation, 2023

CONFERENCE CHAIR AND MEMBER OF SCIENTIFIC OR LOCAL COMMITTEE (international meetings)

1. 1st European Conference on hydrogen sulfide, Smolenice, Slovakia 2012, **International Advisory Board**
2. 5th BBBB International Conference, From Drug Discovery and Formulation Strategies to Pharmacokinetic-Pharmacodynamics, Athens Greece 2013, **Local Organizing Committee**

3. 2nd European Conference on the biology of hydrogen sulphide, Exeter, UK 2013, **International Advisory Board**
4. 3rd Science On Conference on Drug Discovery and Development, Dubai 2014 **Program Technical Committee**
5. 8th Biannual Hellenic Society of Basic and Clinical Pharmacology, Athens, Greece, 2014, **Conference Chair**
6. 3rd European Conference on the Biology of H₂S, Athens, Greece, 2015, **Conference Chair**
7. 7th European congress of Pharmacology, EPHAR2016, Istanbul, Turkey, **International Scientific Advisory Board**, 2016
8. 4th International Conference on the biology of hydrogen sulfide, Naples, Italy 2016, **International Advisory Board**
9. 1st International Summit on Tobacco Harm Reduction: Novel products, research and policy, Athens 2018, **Scientific Organizing Committee**
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11. 5th International Conference on the biology of hydrogen sulfide, Toronto, Canada 2018, **International Advisory Board**
12. 15th Congress of the European Association for Clinical Pharmacology and Therapeutics, Athens, Greece, 2022, **Local Organizing Committee**
13. 6th International Conference on the Biology of hydrogen sulphide, Budapest, Hungary, 2022, **International Advisory Board**
14. 8th European Congress of Pharmacology, EPHAR2020, Prague, Czech Republic, **Organizing Committee**, 2022
15. 9th European Congress of Pharmacology, EPHAR2024, Athens, Greece, **Chairman**

SYMPOSIUM ORGANIZER AND SESSION CHAIR (international meetings)

1. 3rd International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Dresden, 2007, **Session Chair**
2. 4th International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Regensburg, 2009, **Poster Session Moderator**
3. 5th International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Halle, 2011, **Session Chair**
4. British Pharmacological Society, 2011 Winter Meeting, London, **Symposium Co-organizer**, “Gasotransmitters as physiological mediators and therapeutic agents: the challenges ahead”
5. 6th International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Erfurt, 2013, **Session Chair**
6. Heart Failure 2014, European Society for Cardiology, Athens, Basic Science 1 **Session Chair** and Young Investigators Award **Judge**
7. British Pharmacological Society, Pharmacology 2014, London, **Symposium Co-organizer** “Advances and challenges for cardioprotection: getting to the heart of the matter”
8. European Council for Cardiovascular Research, Lake Garda, 2014, **Session Chair** and poster **Judge**
9. 7th International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Trier, 2015, **Session Chair**
10. American Society for Experimental Biology and Medicine, EB16, “The Biology and Translational Potential of Hydrogen Sulfide: One Person's Trash is Another Person's Treasure” **Symposium co-organizer**, April 2016
11. American Heart Association Sessions 2017, Anaheim, California, **Session moderator**
12. 7th European congress of Pharmacology, EPHAR2016, Istanbul, Turkey, **Session co-organizer**, June 2016
13. American Society for Experimental Biology and Medicine, EB18, “Update on the Gaseous Signaling Molecules NO, H₂S, and CO” **Symposium co-organizer**, April 2018

REVIEWER (book publishers)

Springer Science and Business Media
Royal Society of Chemistry Books

AWARDS & HONORS

1988	Award from the Greek National Scholarship Foundation
1992-94	Scholarships from the American Hellenic Education Progressive Association
1994	PhD in Pharmacology with Distinction, Medical College of Georgia
1996-98	Fellow of the Patrick and Catherine Weldon Donaghue Medical Foundation
2011	Fellow of the American Heart Association
2012	Fellow of the British Pharmacological Society
2014	Most influential Greek Scientist list (published by Prof. Ioannidis, ISBN 978-960-04-4489-6)
2023	Honorary member of the Hungarian Pharmacological Society

Teaching activities

1. 2013-present: Course Director for the courses “Pharmacology I” and “Pharmacology II” for pharmacy students, Faculty of Pharmacy, School of Health Sciences, National and Kapodistrian University of Athens (fifth and sixth semesters)
2. 2003-2013: Course co-director for “Molecular Pharmacology I” and “Molecular Pharmacology II” for Pharmacy students (ninth and tenth semesters), at the University of Patras. In 2008, the two courses were merged and taught as one (Molecular Pharmacology)
3. 2015-present: Molecular Pharmacology, Elective course for third year Pharmacy students, at the National and Kapodistrian University of Athens
4. 2004-2013: Course Director, “Pharmacology I” and “Pharmacology II” for pharmacy students, Department of Pharmacy, University of Patras (fifth and sixth semesters)
5. 1998-2003: Course Director for the courses “Pharmacology I” and “Pharmacology II” for students of the School of Nursing (second and third semesters), at the National and Kapodistrian University of Athens (1998-2003)
6. Lectures on anti-coagulant drugs to third year students in the School of Nursing at the Medical College of Georgia (1994-1995)

Graduate

1. 2003-2013: Department of Pharmacy, University of Patras, Graduate Studies Program; Lectures for the following courses (total 50 hours annually): “Biochemical basis of drug action”, “Advanced molecular pharmacology”, “Advanced Pharmacology”, “Pathophysiology and pharmacology of angiogenesis”, “In vitro and In vivo systems used to study the mechanisms of drug actions”.
2. 2007-2010: Course Director, “Pharmacology for Nursing graduates”, National and Kapodistrian University of Athens and Athens Technological Institute
3. 2011-2013: Introduction to cellular signaling (4hr) MSc in Bioinformatics, National and Kapodistrian University of Athens
4. 2013-2015: Molecular Medicine, Medical School National and Kapodistrian University of Athens, Experimental Thesis supervision
5. 2015-present, MSc in “Design and Synthesis of New Pharmaceutical Compounds”, Faculty of Pharmacy, National and Kapodistrian University of Athens, Course Director “Advanced Pharmacology”, “Biochemical and Molecular Pharmacology”

INVITED SPEAKER (Academic Institutions and Research Centers)

Department of Medicine, Royal Victoria Hospital, McGill University, Canada, 1999
Department of Intensive Care, University of Athens, Greece, 2001
Institute for Biochemistry II, University of Frankfurt, Germany, 2004
Foundation for Biomedical Research of the Academy of Athens, Greece, 2004
Department of Pharmacological Sciences, University of Siena, Italy, 2005
Institute for Biotechnology, Greek Research Foundation, Greece, 2006
4th Department of Internal Medicine, University of Athens, Greece, 2006
Institute for Organic Chemistry, University of Leipzig, Germany, 2007
Instituto de Tecnologia Química e Biológica, Universidade Nova de Lisboa, Portugal, 2008
University of Medicine and Dentistry New Jersey, Dept of Pharmacology & Physiology, USA 2008
Meakins-Christie Laboratories, McGill University, Canada, 2008
Department of Pharmacy, Aristotelian University of Thessaloniki, Greece, 2009
Department of Experimental Pharmacology, School of Pharmacy, University of Naples, Italy, 2009
Department of Medicine, University of Patras, Greece, 2010
Vascular Biology Center, Medical College of Georgia, Georgia, USA, 2010
Faculty of Pharmacy, Ege University, Izmir, Turkey, 2012
Center for Sepsis Control and Care, Universitätsklinikum Jena, Germany, 2013
Institute of Vascular Signalling, Goethe University, Germany, 2013
Jagiellonian Centre for Experimental Therapeutics, Jagiellonian University, Poland, 2014
Department of Pathology and Mecdial Biology, University of Groningen, Netherlands, 2014
Oxford Group of Translational Cardiovascular Research, Oxford University, UK, 2014
Molecular Cardiology, University of Mainz, Germany, 2015
School of Pharmacy, Texas Tech Health Sciences University Center, Amarillo, TX, USA, 2016
Cardiovascular Center of Excellence, LSU Health Science Center, Louisiana, ,USA, 2016
Department of Biology, Laurentian University, Ontario, Canada, 2016
Department of Physiology and Pharmacology, Karolinska Institutet, Sweden, 2016
Center for Diagnostics and Therapeutics, Georgia State University, Atlanta, GA, 2017
Vascular Biology & Therapeutics, Yale University School of Medicine, New Haven, CT, 2017
cGMP Forum, Novartis Institute for Biomedical Research, Boston, MA, 2018
Department of Pharmacology, University of Fribourg, Switzerland, 2018
Institute of Vascular Signalling, Goethe University, Germany, 2021
Institute of Molecular Medicine, Dept of Cardiovascular and Renal Research, Odense, Denmark, 2021

INVITED SPEAKER (International Meetings)

NATO Advanced Study Institute: "Vascular endothelium: Mechanisms of cell signalling", Crete, 1998
3rd State of the Art, Interdisciplinary Review Course, Athens, 1999
NATO Advanced Study Institute: "Vascular Endothelium: Source and Target of Inflammatory mediators", Crete, 2000
NATO Advanced Study Institute: "Disease markers in exhaled breath: basic mechanism and clinical applications" Crete 2001
Vascular Endothelium: Translating Discoveries into public health practice, Crete, 2005
8th International conference: Angiogenesis: Basic Sciences and Clinical Applications, Corfu 2006
Nitric oxide and nitrosative stress in the cardiovascular system, Budapest, 2006
3rd International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Dresden, 2007
9th International Angiogenesis Conference: Basic Science and Clinial Applications, Patras, June 22-26, 2008
XXVIII European Section Meeting, International Society for Heart Research, Athens, 2008
7th European Association of Clinical Pharmacology and Therapeutics Summer School, Alexandroupolis, 2009

4th International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Regensburg, 2009
3rd Master Class in Oncology Pharmacy, Athens, 2009
International Symposium on Nitric Oxide-Cyclic GMP signal Transduction in Brain, Valencia, 2010
European Society for Cardiology, Heart Failure 2010 Berlin, 2010
5th International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Halle, 2011
6th European Vascular Biology Meeting, Krakow, 2011
1st European Conference on the Biology of H₂S, Smolenice, Slovakia, 2012
VIIIth Joint Meeting on Medicinal Chemistry, Lublin, Poland, 2013
6th International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Erfurt, 2013
2nd European Conference on the Biology of H₂S, Exeter, UK, 2013
3rd International Conference on H₂S Biology and Medicine, Kyoto, Japan, 2014
International Symposium on NO and H₂S in health and disease, Naples, Italy, 2014
3rd Congress of Physiological Sciences of Serbia, Belgrade, 2014
Nitric Oxide – Nitrite/Nitrate Conference, Cleveland, Ohio, USA, 2014
18th European Council on cardiovascular Research, Lake Garda, Italy, 2014
Heart Failure Association Winter Research Meeting, Les Diablerets, Switzerland, 2015
British Physiological Society, Cardiff, 2015
Experimental Biology 16, San Diego, 2016
9th International Conference on Heme Oxygenases Prague, 2016
4th International Conference on the Biology of H₂S, Naples, Italy, 2016
Society for Free Radical Research-Europe 2016, Budapest, Hungary, 2016
43rd FEBS Congress, Prague, 2018
1st Meeting in Translational Pharmacology, Spanish Society of Pharmacology, Spain, 2018
5th International Conference on the biology of hydrogen sulphide, Toronto, Canada, 2018
Therapeutic Applications of Nitric Oxide in Cancer and Inflammatory-related Disorders, Siena, 2018
44th FEBS Congress, Krakow, 2019
14th Serbian Congress of Pharmacology, Novi Sad, Republic of Serbia, 2019
6th International Conference on the Biology of hydrogen sulphide, Budapest, Hungary, 2022

List of publications

Chapters (Books and meeting proceedings)

1. **A. Papapetropoulos** and J.D. Catravas. Endothelial cell functions. In "8th European Congress of Intensive Care Medicine", Monduzzi Editore S.p.A, Bologna, Italy, pp349-354, 1995.
2. **A. Papapetropoulos** and W.C. Sessa. Regulation of the nitric oxide synthase gene family. In "Biology of Nitric Oxide", Eds S.S. Gross, M.S. Goligorski, Chapman and Hill, New York, pp.66-85, 1997.
3. **A. Papapetropoulos**, V. Zachariou and W.C. Sessa. NO synthase biology: Insights gained from knockout mice. In "The haemodynamic effects of nitric oxide". Eds. R.T. Mathie and T.M. Griffith. Imperial College Press, London UK pp 96-110, 1999.
4. A. Xagorari, A. Kotanidou, Ch. Roussos and **A. Papapetropoulos**. Luteolin reduces LPS-induced TNF- α production and protects mice against LPS toxicity. In "Disease markers in exhaled breath: basic mechanism and clinical applications" Eds N. Marczin and M. Yacoub, IOS Press, Amsterdam, pp 366-368, 2002.
5. S. Tsigkos and **A Papapetropoulos**. The angiopoietins: linking angiogenesis and inflammation Eds: M.E. Maragoudakis and E. Papadimitriou. In: "Angiogenesis: Basic Science and Clinical Applications", Eds: M. E. Maragoudakis and E. Papadimitriou, Transworld Research Network, Singapore, pp 79-93, 2007.

6. A. Pyriochou, A. Koukaliotis and **A. Papapetropoulos**. Atrial natriuretic peptide is a positive regulator of angiogenesis. In "5th Hellenic Peptide Forum" Eds: P. Cordopatis, E. Manesi-Zoupa, G. Pairas, Typorama, Patras, pp235-243, 2010.
7. C. Kevil, M.M. Cortese-Krott, P. Nagy, **A. Papapetropoulos**, M. Feelisch, C. Szabo. Cooperative Interactions Between NO and H₂S: Chemistry, Biology, Physiology, Pathophysiology. In "Nitric Oxide Biology and Pathobiology, 3rd Edition". Eds L. J. Ignarro and B. A. Freeman. Academic Press, London, pp57-83, 2017, ISBN: 978-0-12-804273-1

Peer-reviewed journals

Editorials & commentaries

1. **A Papapetropoulos** A ginseng-derived ER β agonist (Rb1 ginsenoside) attenuates capillary morphogenesis. *Br. J. Pharmacol* 152:172-174, 2007
2. **A Papapetropoulos**, R Foresti, P Ferdinandy. Pharmacology of the 'gasotransmitters' NO, CO and H₂S: translational opportunities. *Br J Pharmacol*.172:1395-6, 2015.
3. I Andreadou, EK Iliodromitis, C Szabo, **A Papapetropoulos**. Hydrogen sulfide and PKG in ischemia-reperfusion injury: sources, signaling, accelerators and brakes *Basic Res Cardiol*. 110:52, 2015
4. **A Papapetropoulos**, C Szabo. Inventing new therapies without reinventing the wheel: the power of drug repurposing. *Br J Pharmacol*. 175:165-167, 2018.
5. **A Papapetropoulos**, Wallace JL, Wang R. From Primordial Gas to the Medicine Cabinet. *Br J Pharmacol*. 177: 715–719, 2020.
6. V. Brancaleone, E. Mitidieri, **A Papapetropoulos**. Interplay and Functions of Gaseous Mediators: From Underlying Mechanisms to Therapeutic Approaches in Cardiovascular Diseases *Front. Pharmacol*. 13: 925561; 2022

Review articles

1. **A Papapetropoulos**, RD Rudik, WC Sessa. Molecular and cellular control of nitric oxide synthases in the cardiovascular system. *Cardiovasc Res* 43:509-520, 1999
2. S Andreopoulos and **APapapetropoulos**. Molecular aspects of soluble guanylyl cyclase regulation. *Gen Pharmacol* 34: 147-157, 2000.
3. S Tsigkos, M Koutsilieris, **A Papapetropoulos**. Angiopoietins in angiogenesis and beyond. *Expert Opin Investig Drugs* 12:933-941, 2003.
4. A Pyriochou and **A. Papapetropoulos** A. Soluble guanylyl cyclase: more secrets revealed. *Cell Signal* 17:407-13, 2005.
5. C Szabo and **A Papapetropoulos**. Hydrogen sulfide and angiogenesis: mechanisms and applications *Br J Pharmacol* 164:853-65, 2011.
6. K Módis, E Bos, E Calzia, H van Goor, C Coletta, **A Papapetropoulos**, M Hellmich, P Radermacher; F Bouillaud, C Szabo. Regulation of Mitochondrial Function by Hydrogen Sulfide. Part II. Pathophysiological and Therapeutic Aspects *Br J Pharmacol* 171:2123-46, 2014.

7. **A Papapetropoulos**, M Whiteman, C Giuseppe. Pharmacological tools for hydrogen sulfide research: a brief, introductory guide for beginners *Br J Pharmacol* 172:1633-7, 2015.
8. **A Papapetropoulos**, AJ Hobbs, S Topouzis. Extending the translational potential of targeting nitric oxide/cGMP-regulated pathways in the cardiovascular system *Br J Pharmacol* 172:1397-414, 2015.
9. I Andreadou, E Iliodromitis, T Rassaf, R Schulz, **A Papapetropoulos**, P Ferdinandy. The role of gaseous transmitters NO, H₂S, CO in myocardial ischemia/reperfusion injury and cardioprotection by preconditioning, postconditioning, and remote conditioning *Br J Pharmacol* 172:1587-606, 2015.
10. SI Bibli, G. Yang, Z. Zhou, R.Wang, S. Topouzis, **A.Papapetropoulos**. Role of cGMP in hydrogen sulfide signalling *Nitric Oxide* 46:7-13, 2015.
11. R Wang, C. Szabo, F. Ichinose, A. Ahmed, M. Whiteman, **A Papapetropoulos**. The role of H₂S bioavailability in endothelial dysfunction. *Trends Pharmacol. Sci* 36:568-578, 2015.
12. A Katsouda, SI Bibli, A. Pyriochou, C. Szabo, **A. Papapetropoulos**. Regulation and role of endogenously produced hydrogen sulfide in angiogenesis. *Pharmacol Res* 113(A):175-185, 2016.
13. N Kanagy, C Szabo, **A Papapetropoulos**. Vascular Biology of Hydrogen Sulfide. *Am J Physiol Cell Physiol* 312:C537-C549, 2017.
14. J Egea, I Fabregat, YM Frapart, [143 others], **A Papapetropoulos**, T Grunecn, S Lamas, HHH W Schmidt, F Di Lisa, A Daiber. European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). *Redox Biol* 13:94-162, 2017.
15. C Szabo and **A Papapetropoulos**. Pharmacological modulation of hydrogen sulfide (H₂S) levels: H₂S donors and H₂S biosynthesis inhibitors. *Pharmacol Rev* 69:497-564, 2017.
16. SP Alexander, E Kelly, NV Marrion, JA Peters, E Faccenda, SD Harding, AJ Pawson, JL Sharman, C Southan, OP Buneman, JA Cidlowski, A Christopoulos, AP Davenport, D Fabbro, M Spedding, J Striessnig, JA Davies; **CGTP Collaborators**. The concise guide to pharmacology 2017/18: Overview. *Br J Pharmacol* 174 (Suppl 1):S1-S16, 2017.
17. SP Alexander, D Fabbro, E Kelly, A Mathie, JA Peters, EL Veale, JF Armstrong, E Faccenda, SD Harding, AJ Pawson, JL Sharman, C Southan, JA Davies; **CGTP Collaborators**. The concise guide to pharmacology 2019/20: Enzymes *Br J Pharmacol*. 176 Suppl 1:S297-S396, 2019.
18. I Andreadou, R Schulz, **A Papapetropoulos**, B Turan, K Ytrehus, P Ferdinandy, A Daiber, F Di Lisa. The role of mitochondrial reactive oxygen species, NO, and H₂S in ischemia/reperfusion injury and cardioprotection. *J Cell Mol Med*. 24:6510-6522, 2020.
19. N Dilek, **A Papapetropoulos**, T Toliver-Kinsky, C Szabo. Hydrogen sulfide: an endogenous regulator of the immune system. *Pharmacol Res* 161:105119, 2020.
20. M Peleli, A Moustakas, **A Papapetropoulos**. Endothelial-Tumor Cell Interaction in Brain and CNS Malignancies. *Int. J. Mol. Sci*. 21:7371, 2020.
21. SP Alexander, D Fabbro, E Kelly, A Mathie, JA Peters, EL Veale, JF Armstrong, E Faccenda, SD Harding, AJ Pawson, C Southan, JA Davies, A Beuve, P Brouckaert, C Bryant, JC Burnett, RW

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