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Curriculum Vitae

Name: PAPANETROPOULOS, Andreas
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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, Yale University School of Medicine; 1995-1998

ACADEMIC APPOINTMENTS:

1999-2003: Assistant Professor of Pharmacology, School of Nursing, 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, Department of Pharmacy, University of Athens, Greece

ADJUNCT APPOINTMENTS & VISITING PROFESSORSHIPS:

1999-2001: Visiting Professor, Department of Pharmacology, Yale University School of Medicine, USA

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

2003-present: Adjunct faculty, Hellenic Open University, Greece

7-8/2007: Visiting Professor, University of Dentistry and Medicine New Jersey, USA

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

- 2-6/2011: Visiting Professor, Biomedical Research Foundation of the Academy of Athens, Greece
- 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

Administrative appointments and other activities:

- 2003-2007 Elected Member of the Board, Greek Society for Pharmacology
- 2013-2015 Greek Society for Pharmacology, President
- 2006-2013 Director, Lab for Molecular Pharmacology, University of Patras
- 2005-2009 and
2011-2013 Vice Chairman, Department of Pharmacy, University of Patras
- 2007 National Delegate, European Medicines Agency, Pediatric Committee
- 2007-present European Medicines Agency expert
- 2009-present Pharmacopoeia Committee, National Drug Agency (Greece)
- 2010-2013 Graduate Program Director, Department of Pharmacy, University of Patras
- 2011-2015 European Network on Gasotransmitters, Chair

Institutional Committees:

- 2010-2013 Internal Accreditation and Evaluation Committee (Department of Pharmacy)
- 2009-2011 Member (substitute) of the University of Patras Research Committee governing body

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

EDITORIAL BOARD MEMBER: Vascular Pharmacology (1998-2010)
British Journal of Pharmacology (2009-present)
Arteriosclerosis, Thrombosis and Vascular Biology (2010-present)
Journal of Pharmacology & Experimental Therapeutics (2012-present)

AWARDS & HONORS

- 1988 Award from the Greek National Scholarship Foundation
- 1992-94 Scholarships from the American Hellenic Education Progressive Association
- 1994 Ph.D. 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

REVIEWER in peer reviewed journals:

- Acta Pharmacologica Sinica
American Journal of Pathology
American Journal of Physiology
American Journal of Respiratory and Critical Care Medicine
American Journal of Respiratory Cell and Molecular Biology
Arteriosclerosis, Thrombosis, Vascular Biology
Biochemical Biophysical Acta
Biochemical Pharmacology
Biochemistry and Cell Biology

BMC Cell Biology
British Journal of Pharmacology
Cancer Letters
Cardiovascular Drugs and Therapy
Cardiovascular Research
Cellular Biochemistry and Biophysics
Circulation
Circulation Research
Current Medicinal Chemistry
Current Pharmaceutical Design
Cytokine
European Respiratory Journal
Expert Opinion on Investigational Drugs
FASEB Journal
FEBS Letters
Free Radical Biology & Medicine
General Pharmacology
Hepatology
International Journal of Cardiology
International Journal of Biochemistry and Cell
Biology
Journal of Applied Physiology

Journal of Biological Chemistry
Journal of Cellular and Molecular Medicine
Journal of Clinical Investigation
Journal of Medicinal Chemistry
Journal of Molecular Endocrinology
Journal of Molecular Medicine
Journal of Pharmacology and Experimental
Therapeutics
Journal of Pharmacy and Pharmacology
Journal of Thrombosis and Hemostasis
Journal of Vascular Research
Life Sciences
Molecular Pharmacology
Nature Chemical Biology
Nitric Oxide
Oncogene
Pharmacological Research
PLOSone
Proceedings of the Society for Experimental
Biology and Medicine
Trends in Immunology

REVIEWER (granting agencies)

Greek Secretariat of Research and Technology, (2003, 2010)
Associazione Italiana per la Ricerca sul Cancro (Italy), 2004
National Medical Research Council (Singapore), 2005-2007, 2009
Health Research Board (Ireland), 2005
Greek Scholarship Foundation, 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

CONFERENCE ORGANIZER, SESSION CHAIR

3rd International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Dresden, 2007, **Session Chair**
4th International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Regensburg, 2009, **Poster Session Moderator**
British Pharmacological Society, 2011 Winter Meeting, London **Symposium Organizer**
5th International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Halle, 2011, **Session Chair**
1st European Conference on hydrogen sulphide, Smolenice, Slovakia 2012, **International Advisory Board**
5th BBBB International Conference, From Drug Discovery and Formulation Strategies to Pharmacokinetic-Pharmacodynamics, Athens Greece 2013, **Local Organizing Committee**

2st European Conference on the biology of hydrogen sulphide, Exeter, UK 2013, **International Advisory Board**

6th International Conference on cGMP, cGMP: generators, effectors and therapeutic implications, Erfurt, 2013, **Session Chair**

REVIEWER (book publisher)

Springer Science and Business Media

Teaching activities

Undergraduate

1. 2013-present: Course Director for the courses “Pharmacology I” and “Pharmacology II” for pharmacy students, Department of Pharmacy, School of Health Sciences, University of Athens (fifth and sixth semesters)
2. 2003-2013: “Molecular Pharmacology I” and “Molecular Pharmacology II” for Pharmacy students (ninth and tenth semesters), at the University of Patras. Since 2008 the two courses have been unified and are taught as one (Molecular Pharmacology)
3. 1998-2013: Course Director for the courses “Pharmacology I” and “Pharmacology II” for students of the School of Nursing (second and third semesters), at the University of Athens (1998-2003) and for students of the School of Pharmacy (fifth and sixth semesters) at the University of Patras (2004-present)
4. Lectures on anti-coagulant drugs to third year students in the School of Nursing at the Medical College of Georgia (1994-1995)

Graduate

Selected lectures for the following courses: “Biochemical basis of drug action”, “Advanced molecular pharmacology”, “Pathophysiology and pharmacology of angiogenesis”, “In vitro and In vivo systems used to study the mechanisms of drug actions”.

Graduate students and postdoctoral fellows trained:

Postdoctoral Fellows

Xagorari Aggeliki, Ph.D. 1999-2001

Roula Andreopoulos, Ph.D. 1999-2000

Zongmin Zhou, Ph.D. 2001-present

Davina Simoes, Ph.D. 2003-2010

Panagiota Stamatiou, Ph.D., 2006-2007

Tania Pyriochou, Ph.D. 2003-2010

Antonia Marazioti, Ph.D 2007-2011

Panagiotis Panopoulos, Ph.D., 2011-present

Christina Malavaki, PhD, 2012-present

Vasilis Kotsikoris, PhD, 2012-present

Kostantinos Glynos MD, PhD, 2012-present

Graduate Students

Ioanna Kosmidou, MD, 1998-2002 (Ph.D. awarded 2002)

Kostantinos Glynos MD, 2000-2007 (Ph.D. awarded 2007)

Christina Gerassimou, M.Sc., 2002-2007 (Ph.D. awarded 2007)

Stelios Tsigkos, MD, 2001-2007, (Ph.D. awarded 2007)
Vicky Koika, MSc., 2004-2010 (Ph.D. awarded 2010)
George Haramis, MD, 2006-2013 (Ph.D. awarded 2013)
Bukar Umaru, MSc, DVM, 2010-present
Antonia Asimakopoulou, MSc, 2012-present

Thesis Review (International)

Martina Monti, University of Siena, Italy (2008)
Eelke Bos, University of Groningen, The Netherlands (2013)

MSc Students

Anastasios Koukaliotis (MSc awarded 2008)
Antonia Asimakopoulou (MSc awarded 2012)
Sofia-Iris Bibli (MSc awarded 2013)

MEMBERSHIP IN SOCIETIES:

American Association for the Advancement of Science (1999)
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 Vascular Biology Organization (2011)
North American Vascular Biology Organization (1996)
Southeastern Pharmacology Society (1991)
Greek Pharmacological Society (1998)
Greek Union of Pharmacists (1998)

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, 2009
Department of Experimental Pharmacology, School of Pharmacy, University of Naples, 2009
Department of Medicine, University of Patras, 2010
Vascular Biology Center, Medical College of Georgia, 2010
Faculty of Pharmacy, Ege University, Izmir, Turkey, 2012
Center for Sepsis Control and Care, Universitätsklinikum Jena, Germany, 2013
Vascular Signalling Department/SFB 815 Redox-Regulation, Frankfurt University, 2013

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 Clinical 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
2nd International Conference on H₂S Biology and Medicine, Atlanta, GA, 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

PUBLICATIONS

Chapters (Books and meeting proceedings)

1. **Papapetropoulos A** and JD Catravas. Endothelial cell functions. In "8th European Congress of Intensive Care Medicine", Monduzzi Editore S.p.A, Bologna, Italy, pp349-354, 1995.
2. **Papapetropoulos A** and WC Sessa. Regulation of the nitric oxide synthase gene family. In "Biology of Nitric Oxide", Eds SS Gross, MS Goligorski, Chapman and Hill, New York, pp.66-85, 1997.
3. **Papapetropoulos, A.**, 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. Research Signpost.

6. A. Pyriochou, A. Koukaliotis and **A. Papapetropoulos**. Atrial natriuretic peptide is a positive regulator of angiogenesis. Ed. P. Cordopatis, Manesi-Zoupa, Pairas, Typorama, Patras, pp235-243, 2010.

Peer-reviewed journals

Review articles & commentaries

1. **Papapetropoulos, A.**, R. D. Rudik and W.C. Sessa. Molecular and cellular control of nitric oxide synthases in the cardiovascular system. *Cardiovasc. Res.* 43:509-520, 1999
2. Andreopoulos, S and **A. Papapetropoulos**. Molecular aspects of soluble guanylyl cyclase regulation. *Gen. Pharmacol.* 34: 147-157, 2000.
3. S. Tsigkos, M. Koutsilieris and **A. Papapetropoulos**. Angiopoietins in angiogenesis and beyond. *Expert Opin. Investig. Drugs* 12:933-941, 2003.
4. **A. Papapetropoulos** A ginseng-derived ER β agonist (Rb1 ginsenoside) attenuates capillary morphogenesis. *Br. J. Pharmacol* 152:172-174, 2007 (commentary)
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, Harry; 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 In press*

Research Papers

1. **Papapetropoulos A**, Burch SE, Topouzis S, Catravas JD Radiation induced alterations in angiotensin converting enzyme activity in cultured bovine pulmonary arterial endothelial cells. *Toxicol. Appl. Pharmacol.* 120: 96-105, 1993.
2. Marczin N, **Papapetropoulos A**, Catravas JD Prevention of nitric oxide synthase induction in vascular smooth muscle cells by microtubule depolymerizing agents. *Br. J. Pharmacol.* 109: 603-605, 1993.
3. Marczin N, **Papapetropoulos A**, Catravas JD Tyrosine kinase inhibitors suppress endotoxin and IL-1 β -induced NO synthesis in aortic smooth muscle cells. *Am. J. Physiol. (Heart Circ. Physiol.* 34) 265:H1014-H1018, 1993.
4. **Papapetropoulos A**, Marczin N, Snead MD, Cheng C, Milici A, JD Catravas Smooth muscle cell responsiveness to nitrovasodilators in hypertensive and normotensive animals. *Hypertension* 23: 476-484, 1994.
5. Snead MD, **Papapetropoulos A**, Carrier GO, Catravas JD Isolation and culture of endothelial cells from mesenteric vascular bed. *Meth. Cell Sci.* 17: 257-262, 1995.

6. **Papapetropoulos A**, Marczin N, Mora G, Milici A, Murad F, Catravas JD Regulation of vascular smooth muscle soluble guanylate cyclase activity, mRNA and protein levels by cAMP-elevating agents. *Hypertension* 26: 696-704, 1995.
7. Ramamoorthy JD, Ramamoorthy S, **Papapetropoulos A**, Catravas JD, Leibach FH, Ganapathy V Cyclic AMP-independent upregulation of the human serotonin transporter by staurosporine in choriocarcinoma cells. *J. Biol. Chem.* 270: 17189-17195, 1995.
8. Mohamed G, **Papapetropoulos A**, Caldwell RW, Ulrich D, Catravas JD, Tuttle RR HP-228, a novel synthetic peptide inhibits the induction of nitric synthase. *J. Pharm. Exp. Ther.* 275: 584-591, 1995.
9. Ryan JW, **Papapetropoulos A**, Ju H, Denslow ND, Antonov A, Vrmani R, Kolodgie FD, Gerrity RG, Catravas JD. Aminopeptidase P is disposed on human endothelial cells. *Immunopharmacology.* 32: 149-152, 1996.
10. **Papapetropoulos A**, G Y Go, Murad F, Catravas JD Mechanisms of tolerance to sodium nitroprusside in rat cultured aortic smooth muscle cells. *Br. J. Pharmacol.* 117: 147-155, 1996.
11. **Papapetropoulos A**, Cziraki A, Rubin JW, Stone CD, Catravas JD cGMP accumulation and gene expression of soluble guanylate cyclase in human vascular tissue. *J. Cell Physiol.* 167: 213-221, 1996.
12. **Papapetropoulos A**, Ryan JW, Antonov A, Virmani R, Kolodgie FD, Gerrity RG, Catravas JD Human aortic endothelial cell aminopeptidase N. *Immunopharmacology* 32: 153-156, 1996.
13. **Papapetropoulos A**, Abou-Mohamed G, Marczin N, Murad F, Caldwell RW, Catravas JD Downregulation of nitrovasodilator-induced cGMP accumulation in smooth muscle cells exposed to endotoxin or interleukin-1 β . *Br. J. Pharmacol.* 118:1359-1366, 1996.
14. **Papapetropoulos A**, Antonov A, Virmani R, Kolodgie FD, Munn DH, Marczin N, Ryan JW, Gerrity RG, Catravas JD Monocyte and cytokine-induced downregulation of angiotensin converting enzyme activity in cultured human and porcine endothelial cells. *Circ. Res.* 79: 512-523, 1996.
15. Marczin N, Jilling T, **Papapetropoulos A**, Go C, Catravas JD Cytoskeleton-dependent activation of the inducible nitric oxide synthase in cultured rat aortic smooth muscle cells. *Br. J. Pharmacol.* 118: 185-194, 1996.
16. Marczin N, Antonov, **Papapetropoulos A**, Munn DH, Virmani R, Kolodgie FD, Gerrity RG, Catravas JD Monocyte-induced downregulation of nitric oxide synthase in cultured aortic endothelial cells. *Arterioscler. Thromb. Vasc. Biol.* 16: 1095-1103, 1996.
17. **Papapetropoulos A**, Elmore LA, Catravas JD Relationship between volume of bathing medium and ectoenzyme activity in monolayers of cultured bovine pulmonary arterial endothelial cells. *Am. J. Physiol.* 271: L464-L469, 1996.
18. **Papapetropoulos A**, Desai KM, Rudic RD, Mayer B, Zhang R, Ruiz-Torres MP, Garcia-Cardena G, Madri JA, Sessa WC . Nitric oxide synthase inhibitors attenuate transforming growth factor β 1-stimulated capillary organization in vitro. *Am. J. Pathol.*,150:1835-1844, 1997

19. **Papapetropoulos, A.**, G. García-Cardena, J.A. Madri and W. C. Sessa. Nitric oxide production contributes to the angiogenic properties of vascular endothelial growth factor in human endothelial cells. *J. Clin. Invest.* 100:3131-3139, 1997.
20. **Papapetropoulos, A.**, N. Marczin and J.D. Catravas. Cross-tolerance between endogenous nitric oxide and exogenous nitrovasodilators. *Eur. J. Pharmacol.* 344:313-321, 1998
21. Marczin, N, C.Y. Go, **A. Papapetropoulos** and J.D. Catravas. Induction of nitric oxide synthase by protein synthesis inhibition in aortic smooth muscle cells. *Br. J. Pharmacol.* 123:1000-1008, 1998.
22. Abou-Mohamed, G., **A. Papapetropoulos**, J.D. Catravas and R.W. Caldwell. Zinc inhibits nitric oxide formation in response to lipopolysaccharides: implication in its anti-inflammatory activity. *Eur. J. Pharmacol.* 341: 265-272, 1998.
23. **Papapetropoulos, A.**, P. Piccardoni, G. Cirino, M. Bucci, R. Sorrentino, C. Cicala, K. Johnson, V. Zachariou, W. C. Sessa and D.C. Altieri. Hypotension and inflammatory gene expression triggered by factor Xa-nitric oxide signalling. *Proc. Natl. Acad. Sci USA* 95:4738-4742, 1998
24. García-Cardena, G., R. Fan, V. Shah, R. Sorrentino, G. Cirino, **A. Papapetropoulos** and W. C. Sessa. Dynamic activation of nitric oxide synthase by Hsp90. *Nature* 392:821- 824, 1998
25. Hoque, A.M., **A. Papapetropoulos**, R.C. Venema, J.D. Catravas and L.C. Fucks. Effects of antisense oligonucleotide to iNOS on hemodynamic and vascular changes induced by LPS. *Am. J. Physiol.* 275: H1078-1083, 1998
26. Sierra-Honigsmann M.R., A. K. Nath, C. Murakami, G. Garcia-Cardena, **A.Papapetropoulos** W. C. Sessa, L.A. Madge, J. S. Schechner, M.B. Schwabb, P.J. Polverini and J. Flores-Riveros. Biological action of leptin as an angiogenic factor. *Science* 281: 1683-1686, 1998.
27. Wang, X. H., M. Lu, Y. Gao, **A. Papapetropoulos**, W. C. Sessa and W. H. Wang. Neuronal nitric oxide synthase is expressed in principle cell of collecting duct. *Am. J. Physiol.* 275: F395-399, 1998.
28. **Papapetropoulos, A.**, G. García-Cardena, T. J. Dengler, P.C. Maisonpierre, G. D. Yancopoulos and W. C. Sessa. Direct actions of angiotensin-1 on vascular endothelium: evidence for modulation of angiogenesis. *Lab. Invest.* 79:213-223, 1999
29. Fulton, D., J.P. Gratton, T.J. McCabe, J. Fontana, Y. Fujio, K.Walsh, T.F. Franke, **A. Papapetropoulos** and W.C. Sessa. Regulation of endothelium-derived nitric oxide production by Akt. *Nature* 399:597-601, 1999
30. Sowa, G., J. Liu, **A. Papapetropoulos**, M. Rex-Haffner, T.E. Hughes and W.C. Sessa. Trafficking of endothelial nitric oxide synthase in living cells. Quantitative evidence supporting the role of palmitoylation as a kinetic trapping mechanism limiting membrane diffusion. *J. Biol. Chem.* 274:22524-22531, 1999
31. Shah, V, M. Toruner, F. Haddad, G. Cadelina, **A. Papapetropoulos**, K. Choo, W. C. Sessa and R.J. Grossmann. Impaired endothelial nitric oxide activity associated with increased caveolin binding in experimental liver cirrhosis. *Gastroenterology* 117: 1222-1228, 1999

32. Fulton, D., **A. Papapetropoulos**, X. Zhang, J.D. Catravas, T. H. Hinze and W.C. Sessa. Quantification of eNOS mRNA levels in the canine cardiac vasculature by competitive PCR. *Am. J. Physiol.* 278: H658-665, 2000
33. S.E. Orfanos, J.B. Parkerson, X. Chen, E.L. Fisher, C. Glynos, **A. Papapetropoulos** and J. D. Catravas. Pulmonary endothelial angiotensin converting enzyme dysfunction in Watanabe heritable hyperlipidemic rabbits in vivo. *Am. J. Physiol. Lung Cell Mol Physiol* 278:L 1280-L 1288, 2000.
34. **A. Papapetropoulos**, D. Fulton, K. Mahboubi, D. O' Connor, F. Li, D.C. Altieri and W.C. Sessa. Angiopoietin-1 inhibits endothelial cell apoptosis via Akt/survivin expression. *J. Biol. Chem.* 275:9102-9105, 2000
35. A. Xagorari, **A. Papapetropoulos**, A. Mavromatis, M. Economou, T. Fotsis and Ch. Roussos. Luteolin Inhibits an Endotoxin-Stimulated Phosphorylation Cascade and Proinflammatory Cytokine Production in Macrophages. *J. Pharmacol. Exp. Ther.* 296:181-187, 2001.
36. I. Kosmidou, A. Xagorari, Ch. Roussos, **A. Papapetropoulos**. Reactive oxygen species stimulate VEGF production from C2C12 skeletal myotubes through a PI3K/Akt pathway. *Am J Physiol Lung Cell Mol Physiol* 280:L585-L592, 2001.
37. **A. Papapetropoulos**, S. Andreopoulos, C.Y. Go, A. Hoque, L.C.Fuchs, J.D. Catravas. Regulation of the nitric oxide synthase-nitric oxide-cGMP pathway in rat mesenteric endothelial cells. *J Appl Physiol* 91:2553-2560, 2001.
38. A. Kotanidou, A. Xagorari, E. Bagli, P. Kitsanta, T. Fotsis, **A. Papapetropoulos**, Ch. Roussos. Luteolin reduces lipopolysaccharide-induced lethal toxicity and expression of proinflammatory molecules in mice. *Am J Respir Crit Care Med* 165:818-823, 2002
39. I. Kosmidou, T. Vassilakopoulos, A. Xagorari, S. Zakyntinos, **A. Papapetropoulos**, Ch. Roussos. Production of interleukin -6 by skeletal myotubes:role of reactive oxygen species *Am. J. Resp. Cell Mol. Biol.* 26:587-593, 2002
40. A. Xagorari, Ch. Roussos and **A. Papapetropoulos**. Inhibition of LPS-stimulated pathways in macrophages by the flavonoid luteolin *Br. J. Pharmacol.* 136:1058-1064, 2002
41. L. Pizurki, Z. Zhou, K. Glynos, C. Roussos and **A. Papapetropoulos**. Angiopoietin-1 inhibits endothelial permeability, neutrophil adherence and IL-8 production. *Br. J. Pharmacol.* 139:329-336, 2003.
42. **A. Papapetropoulos**, D. Fulton, J. Fontana, T. J. McCabe, S. Joellner, G. G. Cardena, Z. Zhou, J-P Gratton and W. C. Sessa. Vanadate is a potent activator of endothelial nitric oxide synthase: evidence for the role of the serine/threonine kinase Akt and hsp90. *Mol. Pharmacol.* 65: 407-415, 2004
43. Z. Zhou, S. Gross, C. Roussos, S Meurer, W. Müller-Esterl and **A. Papapetropoulos**. Structural and functional characterization of the dimerization region of soluble guanylyl cyclase. *J. Biol. Chem.* 279:24935-24943, 2004

44. N. Papapetropoulos, Z. Zhou, C. Roussos, P. Goumas and **A. Papapetropoulos**. Effects of modulation of the NO/cGMP pathway in tumor cell lines derived from the upper airway tract. *Pharmacology* 72: 167-176, 2004
45. H. Loutrari, M. Hatzia Apostolou, V. Skouridou, E. Papadimitriou., C. Roussos, F.N. Kolisis and **A. Papapetropoulos**. Perillyl alcohol inhibits angiogenesis *in vitro* and *in vivo*. *J. Pharmacol. Exp. Ther.* 311: 568-575, 2004
46. A. Pyriochou and **A. Papapetropoulos**. Soluble guanylyl cyclase: more secrets revealed. *Cell Signal.* 17: 407-413, 2005
47. Roviezzo F, Tsigkos S, Kotanidou A, Bucci M, Brancaleone V, Cirino G, and **A. Papapetropoulos** Angiopoietin-2 causes inflammation *in vivo* by promoting vascular leakage. *J Pharmacol Exp Ther.* 314: 738-744, 2005
48. **Papapetropoulos A**, Zhou Z, Gerassimou C, Yetik G, Venema RC, Roussos C, Sessa WC, and Catravas JD. Interaction between hsp90 and soluble guanylyl cyclase: physiological significance and mapping of the domains mediating binding. *Mol Pharmacol.* 68:1133-41, 2005.
49. **Papapetropoulos A**, Simoes DC, Xanthou G, Roussos C, and Gratziou C. Soluble guanylyl cyclase expression is reduced in allergic asthma. *Am J Physiol Lung Cell Mol Physiol.* 290:L179-84, 2006
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