

Curriculum Vitae

PERSONAL INFORMATION

Family name, First name: VASSILIOU, ALICE GEORGIA

Researcher unique identifier(s) (ORCID): 0000-0003-4984-0476

Date of birth: 18/MAR/1975

Nationality: GREEK

Place of birth: Melbourne, Australia

• EDUCATION

2005 PhD
Faculty of Life Sciences, Department of Biology, School of Biochemistry and Molecular Biology, National & Kapodistrian University of Athens, Greece. Supervisor: Prof. Emmanouil Fragoulis. Title of Dissertation: "Isolation and biochemical characterization of endogenous Ddc inhibitors from human placenta and serum".

2000 Master of Philosophy
Faculty of Medicine, School of Clinical and Laboratory Sciences, University of Newcastle upon Tyne, U.K. Supervisors: Prof. B. Westley and Dr F.E.B. May. Title of Dissertation: "Human trefoil proteins".

1996 Honours in Biochemistry
Department of Biochemistry, School of Molecular Sciences, Faculty of Science and Technology, La Trobe University, Australia

1995 Bachelor of Science
Faculty of Science and Technology, La Trobe University, Australia

• CURRENT POSITION(S)

Sep 2018 – Today Coordinator of the Research Laboratories of the Postgraduate educational programme in Critical Care, Faculty of Medicine, 1st Department of Critical Care & Pulmonary Services, National & Kapodistrian University of Athens, Greece

• PREVIOUS POSITIONS

2016 – Aug 2018 Academic Scholar
Faculty of Medicine, 1st Department of Critical Care & Pulmonary Services, National & Kapodistrian University of Athens, Greece

2010 – 2016 Postdoctoral Fellow
Faculty of Medicine, 1st Department of Critical Care & Pulmonary Services, National & Kapodistrian University of

Athens, Greece

- 2007 – 2010 Clinical Research Associate
Pharmaserve-Lilly, Pharmaceutical Company, Greece
- 2006 - 2007 Assistant Lecturer
Faculty of Molecular Biology & Genetics, Demokriteio
University of Thrace, Panepistimioupolis, Dragana,
Alexandroupoli, Greece
- 2004 – 2006 Postdoctoral Research Scientist
Faculty of Science, Department of Biology, National and
Kapodistrian University of Athens, Greece

• **FELLOWSHIPS**

- 2000 Awarded PhD scholarship in the School of Biomedical Sciences,
Imperial College London, UK (Multiple Sclerosis Society UK fund)
- 1997 – 2000 PhD Scholarship, Faculty of Medicine, School of Clinical and
Laboratory Sciences, University of Newcastle-upon-Tyne, UK
(Cancer Research UK fund)
- 1996 Ranked for Candidature and Postgraduate Scholarship by the
Faculty of Science, Department of Biochemistry, La Trobe
University, Australia

• **SUPERVISION OF GRADUATE STUDENTS**

- 2000 – 2022 Number of PhD/ Master/ Graduate Students
25 PhD candidates/ 10 Master students/ 20 graduate students
- Medical School, 1st Department of Critical Care Medicine &
Pulmonary Services, GP Livanos and M Simou Laboratories, National
and Kapodistrian University of Athens, Greece
Faculty of Science, Department of Biology, National and
Kapodistrian University of Athens, Greece

• **TEACHING ACTIVITIES**

- 2022 Post-graduate Programme “Molecular basis of human diseases”,
Molecular basis of sepsis. Department of Biochemistry and
Molecular Biology, Faculty of Biology, University of Athens,
Greece.
- 2018-2021 Post-graduate Programme “Intensive Care Units”, Clinical
Pharmacology course. Department of Pulmonary Services and
Intensive Care Medicine, Medical School, National and Kapodistrian

University of Athens, Greece.

2006 – 2007 Assistant Lecturer – Molecular Biology, Demokriteio University of Thrace, Panepistimioupolis, Dragana, Alexandroupoli, Greece

2006 – 2007 Supervisor of Biology I & II laboratory courses - Faculty of Science, Hellenic Open University, Patras, Greece

2001 – 2006 Graduate Teaching Assistant – Biochemistry, Department of Biochemistry and Molecular Biology, Faculty of Biology, University of Athens, Greece

- **EDITORIAL BOARD MEMBER**

Intensive Care Cardiovascular Medicine (specialty section of Frontiers in Cardiovascular Medicine), Austin Critical Care Case Reports, Annals of Medical Case Reports, Anesthesia and Critical Care.

- **REVIEWER**

Critical Care, Respiratory Research, American Journal of Respiratory And Critical Care Medicine, Annals of Intensive Care, Biomed Research Internat., BMC Infectious Diseases, Pharmaceutical Sciences, Frontiers, Journal of Internal Medicine and Patient Care, Biomarkers, Mediators of Inflammation, Journal of Molecular Biomarkers & Diagnosis, Journal of Blood Disorders & Transfusion, SOJ Anesthesiology & Pain Management, Journal of Cardiovascular Research, Biomedical Journals, Journal of Pulmonary & Respiratory Medicine, Journal of Neurology & Neurophysiology, Journal of International Medical Research, Journal of Critical Care, Journal of Clinical Medicine, Infectious Diseases and Therapy, International Journal of Molecular Sciences, Cells, IJMS, Pharmaceuticals, Membranes, JCM

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

European Society of Intensive Care Medicine (ESICM), European Respiratory Society (ERS).

CAREER BREAKS

2014 Awarded by the Academy of Athens for my publication entitled “Endothelial protein C receptor polymorphisms and risk of severe sepsis in critically ill patients”. Intensive Care Med. 2013 Oct;39(10):1752-9.

- **GRANTS**

2000 Development of methods of isolating peptides that can be used in the timely diagnosis and potential therapy of the neurodegenerative diseases Parkinson's, Creutzfeldt-Jacobs, Scrapie, and Mad cow disease. Research Grant part of the Operational Programme for “Competitiveness”, Ministry of Development, General Secretariat for Research and Technology. Part of the Research Team.

2002 Isolation and characterisation of an L-Dopa decarboxylase inhibitor from human serum and placenta. Effect of an endogenous inhibitor on the enzymatic activity of L-Dopa decarboxylase human carcinomas of neuroendocrine origin. In vitro expression and biochemical study of a new L-Dopa decarboxylase isoform. Research Grant part of the Operational Programme for “Competitiveness”, Ministry of Development, General Secretariat for Research and Technology. Part of the Research Team.

2004 Study of common molecular mechanisms that lead to neurogenerative diseases. Research Grant part of the Operational Programme for “ΕΠΕΑΕΚ - Pythagoras I”, Ministry of Development, General Secretariat for Research and Technology. Part of the Research Team.

2006 Study of molecular mechanisms of neurogenerative diseases. Research Grant part of the Operational Programme for “ΕΠΕΑΕΚ II - Pythagoras II”, Ministry of Development, General Secretariat for Research and Technology. Part of the Research Team.

2007 Study of the expression of L-Dopa decarboxylase in cancer cells. Investigation of its differential diagnostic and prognostic value in prostate cancer. Research Grant part of the Operational Programme for “ΕΠΕΑΕΚ II”, Ministry of Development, General Secretariat for Research and Technology. Part of the Research Team.

2017 CrowdHealth. This project has received funding from the European Union’s Horizon 2020 Programme (H2020-SC1-2016-CNECT) under Grant Agreement No. 727560. Part of the Research Team.

2020 DopaHypoCov “Implication of dopamine, serotonin and hypoxia-inducible-factor pathways as determinant factors of SARS - CoV-2 pathogenesis and COVID-19 severity: Towards therapeutic application”. This project has received funding from the International Pasteur Network. Part of the Research Team.

2022 i-COVID “Intelligent Pervasive Monitoring of COVID-19 Patients using IoT and Cloud”. This project has received funding from the European Union’s Horizon 2020 Programme Part of the COVID EXPONENTIAL PROGRAMME under Grant Agreement No. 101016065-2-10. Part of the Research Team.

2022 DopaHypoCov “Implication of dopamine, serotonin and hypoxia-inducible-factor pathways as determinant factors of SARS - CoV-2 pathogenesis and COVID-19 severity: Towards therapeutic application”. This project has received funding from the International Pasteur Network. Part of the Research Team.

- **PUBLICATIONS (*shared correspondence)**

- h-index: 18
- i-index: 32
- Citations: 949
- Impact Factor, Total: 339.58, Mean: 4.99, Individual IF: 291.96
- 1 book chapter, 62 original research articles, and 6 reviews (44 1st/2nd author - 6 corresponding author)

DA Vassiliadi, **Alice G Vassiliou**, C Keskinidou, A Diamantopoulos, E. Botoula, E Jahaj, N Athanasiou, S Tshipilis, A Zacharis, A Kotanidou, S Tsagarakis and I Dimopoulou. Adrenal function in relation to cytokines and outcome in non-critically ill patients with SARS-CoV-2 infection. In preparation

Alice G. Vassiliou*, D.A. Vassiliadi, E. Jahaj, C. Keskinidou, I. Ilias, S.E. Orfanos, A. Kotanidou, S. Tsagarakis and I. Dimopoulou*. Mineralocorticoid receptor is down-regulated and 11beta-hydroxysteroid dehydrogenase type 2 is up-regulated in peripheral polymorphonuclear cells of critically ill patient. Clinical Medicine and Research. Accepted

G. Mpekoulis, K.I. Kalliampakou, R. S. Milona, D. Lagou, A. Ioannidis, E. Jahaj, C.T. Chasapis, D. Kefallinos, I. Karakasiliotis, A. Kotanidou, S. Chatzipanagiotou, D. Vassilacopoulou, **Alice G. Vassiliou**, E. Angelakis, N. Vassilaki. Significance of Catecholamine biosynthetic/metabolic pathway in SARS-CoV-2 infection and COVID-19 severity. Cells 2023, 12(1), 12; <https://doi.org/10.3390/cells12010012>

Vrettou, CS.*, **Vassiliou, Alice G.***, Pratikaki, M., Keskinidou, C., Tshipilis, S., Gallos, P., Jahaj, E. Orfanos, SE., Kotanidou, A., Dimopoulou, I.* Comparative evaluation and prognostic utility of neuronal injury biomarkers in COVID-19 patients. A prospective study. Shock. 2022 Dec 1;58(6):507-513. doi: 10.1097/SHK.0000000000002017. Epub 2022 Oct 21.

A Diamantopoulos, I Dimopoulou, P Mourelatos, **Alice G Vassiliou**, DA Vassiliadi, A Kotanidou, I Ilias. Endocrine aspects of ICU-hospitalized COVID-19 patients. J. Pers. Med. 2022, 12(10), 1703; <https://doi.org/10.3390/jpm12101703>

Vassiliki Mantziou, Charikleia S. Vrettou, **Alice G. Vassiliou**, Stylianos E. Orfanos, Anastasia Kotanidou, Ioanna Dimopoulou Family burden of ICU survivors and correlations with patient quality of life and psychometric scores - A prospective observational study. The Journal of Critical Care Medicine 2022;8(4):242-248

Chrysi Keskinidou, Nikolaos S. Lotsios, **Alice G. Vassiliou***, Ioanna Dimopoulou, Anastasia Kotanidou and Stylianos E. Orfanos*. The Interplay between Aquaporin-1 and the Hypoxia-inducible Factor 1 α in an in vitro Septic Model. Int. J. Mol. Sci. 2022, 23, 10588. <https://doi.org/10.3390/ijms231810588>.

Ioanna Nikitopoulou, Aggeliki Katsifa, Paraskevi Kanellopoulou, Edison Jahaj, **Alice G. Vassiliou**, Mastora Z, Ioanna Dimopoulou, Stylianos E Orfanos, Vassilis Aidinis and Anastasia Kotanidou. Autotaxin has a negative role in systemic inflammation. Int J Mol Sci. 2022 Jul 18;23(14):7920. doi: 10.3390/ijms23147920.

M.G. Detsika, I. Nikitopoulou, D. Veroutis, **Alice G. Vassiliou**, E. Jahaj, S. Tshipilis, N. Athanassiou, H. Gakiopoulou, V. G. Gorgouli, I. Dimopoulou, S. E. Orfanos and

A. Kotanidou. Increase of HO-1 Expression in Critically Ill COVID-19 Patients Is Associated with Poor Prognosis and Outcome. *Antioxidants (Basel)*. 2022 Jun 29;11(7):1300. doi: 10.3390/antiox11071300.

Christos Panagopoulos, Andreas Menychtas, Edison Jahaj, **Alice Georgia Vassiliou**, Parisis Gallos, Ioanna Dimopoulou, Anastasia Kotanidou and Ilias Maglogiannis. Intelligent Pervasive Monitoring Solution of COVID-19 Patients. *Stud Health Technol Inform*. 2022 Jun 29;295:570-573. doi: 10.3233/SHTI220792.

Chrysi Keskinidou, **Alice G. Vassiliou***, Ioanna Dimopoulou, Anastasia Kotanidou, and Stylianos E. Orfanos*. Mechanistic understanding of lung inflammation: recent advances and emerging techniques. *Journal of Inflammation Research* 2022, 15:3501-3546

Alice G. Vassiliou*, Alexandros Zacharis, Chrysi Keskinidou, Edison Jahaj, Zafeiria Mastora, Charikleia Vrettou, Ioanna Dimopoulou, Stylianos E. Orfanos and Anastasia Kotanidou*. Comparison of the Mortality Prediction Value of Soluble Urokinase Plasminogen Activator Receptor (suPAR) in COVID-19 and Sepsis. *Diagnostics* 2022, 12(5), 1261; <https://doi.org/10.3390/diagnostics12051261>

M Andriopoulou, N Dimaki, MS Kallistratos, E Chamodraka, E Jahaj, **AG Vassiliou**, G Giokas, A Kotanidou, AJ Manolis, MF Piepoli, G Filippatos. Skeletal muscle alterations and exercise intolerance in heart failure with preserved ejection fraction patients: ultrasonography assessment of diaphragm and quadriceps. *Eur J Heart Fail*. 2022 Mar 1. doi: 10.1002/ejhf.2462. Online ahead of print.

AG Vassiliou, S. Tsipilis, C Keskinidou, C.S. Vrettou, E Jahaj, C. Routsis, SE Orfanos, A Kotanidou and I Dimopoulou. Lactate and lactate-to-pyruvate ratio in critically ill COVID-19 patients: A pilot study. *J Pers Med*. 2022 Jan 27;12(2):171. doi: 10.3390/jpm12020171.

CS Vrettou, V Mantziou, **Alice G. Vassiliou**, SE Orfanos, A Kotanidou and I Dimopoulou. Post-intensive care syndrome in survivors from critical illness including COVID-19 patients: A narrative review. *Life (Basel)*. 2022 Jan 12;12(1):107. doi: 10.3390/life12010107.

DA Vassiliadi, **Alice G Vassiliou**, I Ilias, A. Kotanidou and I Dimopoulou. Pituitary adrenal responses and glucocorticoid receptor expression in critically patients with COVID-19. Invited Review. *Int J Mol Sci*. 2021 Oct 25;22(21):11473. doi: 10.3390/ijms222111473.

Mpekoulis G, Tsopela V, Panos G, Siozos V, Kalliampakou KI, Frakolaki E, Sideris CD, **Vassiliou AG**, Sideris DC, Vassilacopoulou D, Vassilaki N. Association of Hepatitis C Virus Replication with the Catecholamine Biosynthetic Pathway. *Viruses*. 2021 Oct 23;13(11):2139. doi: 10.3390/v13112139.

Jahaj E, **Vassiliou AG**, Pratikaki M, Gallos P, Mastora Z, Dimopoulou I, Orfanos SE, Orfanos P, Lagiou P, Kotanidou A Serum Neutrophil Gelatinase-Associated Lipocalin (NGAL) Could Provide Better Accuracy Than Creatinine in Predicting Acute Kidney Injury Development in Critically Ill Patients. *J Clin Med*. 2021 Nov 18;10(22):5379. doi: 10.3390/jcm10225379.

I Nikitopoulou, D Fanidis, K Ntatsoulis, P Moulos, G Mpekoulis, M Evangelidou, V Dimakopoulou, **Alice G Vassiliou**, E Jahaj, S Tsipilis, SE. Orfanos, I Dimopoulou, E Angelakis, K Akinosoglou, N Vassilaki, A Tzouvelekis, A Kotanidou, V Aidinis. Increased Autotaxin levels in severe COVID-19, correlating with IL-6 levels,

endothelial dysfunction biomarkers, and impaired functions of dendritic cells. *Int. J. Mol. Sci.* 2021, 22(18), 10006; <https://doi.org/10.3390/ijms221810006>.

E. Jahaj, **Alice G. Vassiliou**, C. Keskinidou, P. Gallos, CS. Vrettou, Z. Mastora, S.E. Orfanos, I. Dimopoulou and A. Kotanidou. Evaluating the role of the interleukin-23/17 axis in critically-ill COVID-19 patients. *J. Pers. Med.* 2021, 11(9), 891; <https://doi.org/10.3390/jpm11090891>.

I Ilias, M Pratikaki, A Diamantopoulos, E Jahaj, P Mourelatos, N Athanasiou, S Tsipilis, A Zacharis, **Alice G. Vassiliou**, DA Vassiliadi, S Tsagarakis, A Kotanidou, I Dimopoulou. Testosterone, free, bioavailable and total, in patients with COVID-19. *Minerva Endocrinol (Torino)*. 2021 Sep 21. doi: 10.23736/S2724-6507.21.03610-1.

AG Vassiliou, A. Zacharis, C Keskinidou, E Jahaj, N. Athanasiou, S. Tsipilis, I Dimopoulou, A Kotanidou and SE Orfanos. sACE2 is up-regulated and soluble eNOS is down-regulated in COVID-19-inflicted ARDS. *Pharmaceuticals* 2021, 14(7), 695; <https://doi.org/10.3390/ph14070695>.

AG Vassiliou, E Jahaj, SE Orfanos, I Dimopoulou and A Kotanidou. Vitamin D in infectious complications in critically ill patients with or without COVID-19. *Metabolism Open*. <https://doi.org/10.1016/j.metop.2021.100106>.

C Keskinidou, **AG Vassiliou**, A Zacharis, E Jahaj, P Gallos, I Dimopoulou, SE Orfanos and A Kotanidou. Endothelial, immunothrombotic and inflammatory biomarkers in the risk of mortality in critically-ill COVID-19 patients: The role of dexamethasone. *Diagnostics* 2021, 11(7), 1249; <https://doi.org/10.3390/diagnostics11071249>.

CS Vrettou, **AG Vassiliou**, I Kakkas, E Jahaj, S Tsipilis, N Athanasiou, A Zacharis, C Keskinidou, A Papageorgiou, SE Orfanos, A Kotanidou and I Dimopoulou. Low admission immunoglobulin G levels predict poor outcome in patients with mild-to-critical COVID-19: a prospective, single-center study. *J Epidemiol Glob Health* (2021). <https://doi.org/10.1007/s44197-021-00002-8>.

AG Vassiliou, N Athanasiou, DA Vassiliadi, E Jahaj, C Keskinidou, SE Orfanos, A Kotanidou, I Dimopoulou. Glucocorticoid and mineralocorticoid receptor expression in critical illness: A narrative review. *World J Crit Care Med* 2021; 10(4): 102-111; <https://dx.doi.org/10.5492/wjccm.v10.i4.102>.

CS Vrettou, V Mantziou, I Ilias, **Alice G. Vassiliou**, SE Orfanos, A Kotanidou and I Dimopoulou. Quality of Life, Depression, and Anxiety in Survivors of Critical Illness from a Greek ICU. A Prospective Observational Study. *Healthcare* 2021, 9(7), 849; <https://doi.org/10.3390/healthcare9070849>.

A.G. Vassiliou, N. Athanasiou, C. Keskinidou, E. Jahaj, S. Tsipilis, A. Zacharis, E. Botoula, A. Diamantopoulos, I. Ilias, D.A. Vassiliadi, S. Tsagarakis, A. Kotanidou, I. Dimopoulou. Increased glucocorticoid receptor alpha expression and signaling in critically-ill COVID-19 patients. *Crit Care Med.* 2021 May 25. doi: 10.1097/CCM.0000000000005097. Online ahead of print.

I. Ilias, A. Diamantopoulos, E. Botoula, N. Athanasiou, A Zacharis, S. Tsipilis, E. Jahaj, **A. G. Vassiliou**, D. Vassiliadi, A. Kotanidou, S. Tsagarakis, I. Dimopoulou. COVID-19 and Growth Hormone/Insulin-like growth factor 1: study in critically and non-critically ill patients. *Frontiers in Endocrinology* 12:644055. doi: 10.3389/fendo.2021.644055

G Mpekoulis, E Frakolaki, S Taka, A Ioannidis, **AG Vassiliou**, KI Kalliampakou, K Patas, I Karakasiliotis, V Aidinis, S Chatzipanagiotou, E Angelakis, D Vassilacopoulou, N Vassilaki. Alteration of L-dopa decarboxylase and erythropoietin expression in COVID-19 patients in association with the infection-inducible ACE2 isoform: possible implication of the dopamine biosynthesis and hypoxia pathways in SARS-CoV-2 pathogenesis. *PLoS One* 2021, 16(6):e0253458. doi: 10.1371/journal.pone.0253458.

AG Vassiliou, C Keskinidou, E Jahaj, A Zacharis, S Tsipilis, N Athanasiou, I Dimopoulou, A Kotanidou and SE Orfanos. Could soluble endothelial protein C receptor levels recognize SARS-CoV2-positive patients requiring hospitalization? *Shock*. 2021 Mar 23. doi: 10.1097/SHK.0000000000001780. Online ahead of print

DA Vassiliadi, I Ilias, M Pratikaki, E Jahaj, **Alice G Vassiliou**, M Detsika, K Ampelakiotou, M Koulenti, S Tsipilis, E Gavrielatou, A Diamantopoulos, A Zacharis, N Athanasiou, SE Orfanos, A Kotanidou, S Tsagarakis and I Dimopoulou. Thyroid hormone alterations in critically and non-critically ill patients with SARS-CoV-2 infection. *Endocr Connect*. 2021, 10(6):646-655. doi: 10.1530/EC-21-0029.

Alice G. Vassiliou, Ioanna Dimopoulou, Edison Jahaj, Chrysi Keskinidou, Zafeiria Mastora, Stylianos E. Orfanos MD and Anastasia Kotanidou. Selection of the appropriate control group is essential in evaluating the cytokine storm in COVID-19. *In Vivo*. 2021 Mar-Apr;35(2):1295-1298. doi: 10.21873/invivo.12381.

Alice G. Vassiliou, Chrysi Keskinidou, Edison Jahaj, Ioanna Dimopoulou, Anastasia Kotanidou and Stylianos E. Orfanos. ICU admission levels of endothelial biomarkers as predictors of mortality in a cohort of critically-ill COVID-19 patients. *Cells* 2021, 10(1), 186; <https://doi.org/10.3390/cells1001018>.

I. Ilias, A. Diamantopoulos, M. Pratikaki, E. Botoula, E. Jahaj, N. Athanasiou, S. Tsipilis, A. Zacharis, **A. G. Vassiliou**, D. Vassiliadi, A. Kotanidou, S. Tsagarakis, I. Dimopoulou. Glycemia, beta-cell function and sensitivity to insulin in mildly to critically ill COVID-19 patients. *Medicina*, 2021, 10.3390/medicina57010068.

Alice G. Vassiliou, Edison Jahaj, Maria Pratikaki, Chrysi Keskinidou, Maria Detsika, Eirini Grigoriou, Katherina Psarra, Stylianos E. Orfanos, Alexandra Tsirogianni, Ioanna Dimopoulou and Anastasia Kotanidou. Vitamin D deficiency correlates with a reduced number of natural killer cells in intensive care unit (ICU) and non-ICU patients with COVID-19 pneumonia. *Hellenic Journal of Cardiology*. S1109-9666(20)30284-0. <https://doi.org/10.1016/j.hjc.2020.11.011>

Alice G. Vassiliou, Edison Jahaj, Maria Pratikaki, Stylianos E. Orfanos, Ioanna Dimopoulou and Anastasia Kotanidou. Low vitamin D levels on admission to the intensive care unit may predispose COVID-19 pneumonia patients to a higher 28-day mortality risk: A pilot study on a Greek ICU cohort. *Nutrients* 2020, 12(12), 3773; <https://doi.org/10.3390/nu12123773>

Alice G. Vassiliou, Anastasia Kotanidou, Ioanna Dimopoulou, Stylianos E. Orfanos. Endothelial damage in acute respiratory distress syndrome. *Int J Mol Sci*. 2020 Nov 20;21(22):8793. doi: 10.3390/ijms21228793.

A.G. Vassiliou, E. Jahaj, Z. Mastora, I. Karnezis, I. Dimopoulou, S.E. Orfanos, A. Kotanidou. Prognostic Value of Bone Formation and Resorption Proteins in Heterotopic Ossification in Critically-Ill Patients. A Single-Centre Study. *The Journal of Critical Care Medicine*. Online ahead of print. DOI: 10.2478/jccm-2020-0046

I. Ilias, V. Mantziou, E. Vamvakas, E. Kampisiouli, M. Theodorakopoulou, C. Vrettou, E. Douka, **A.G. Vassiliou**, S.E. Orfanos, A. Kotanidou and I. Dimopoulou. Post-traumatic stress disorder and burnout in acute healthcare professionals during the SARS-CoV-2 pandemic: a cross-sectional study from Athens, Greece. *The Journal of Critical Care Medicine*. Online ahead of print. DOI: 10.2478/jccm-2020-0042

Alice G Vassiliou, Edison Jahaj, Ioannis Ilias, Vassiliki Markaki, Sotirios Malachias, Charikleia Vrettou, Eleni Ischaki, Zafeiria Mastora, Evangelia Douka, Chrysi Keskinidou, Stamatios Tshipilis, Dimitra A Vassiliadi, Anastasia Kotanidou, Ioanna Dimopoulou. Lactate Kinetics Reflect Organ Dysfunction and Are Associated with Adverse Outcomes in Intensive Care Unit Patients with COVID-19 Pneumonia: Preliminary Results from a GREEK Single-Centre Study. *Metabolites* 2020, 10(10), 386; <https://doi.org/10.3390/metabo10100386>.

Alice G. Vassiliou, Vlassios Vitsas, Matina Kardara, Chrysi Keskinidou, Pinelopi Michalopoulou, Nikoletta Rovina, Ioanna Dimopoulou, Stylianos E. Orfanos, Georgios Tsoukalas, Antonia Koutsoukou and Anastasia Kotanidou. Study of inflammatory biomarkers in COPD and asthma. *Advances in Respiratory Medicine*. *Adv Respir Med*. 2020; 88: 1–9.

I. Chalatsa, N. Arvanitis, D. Arvanitis, A.C. Tsakou, E.D. Kalantzis, **Alice G. Vassiliou**, D.C. Sideris, E. Frakolaki, N. Vassilaki and D. Vassilacopoulou. Human L-Dopa decarboxylase interaction with Annexin V and expression during apoptosis. *Biochimie*. 2020 Aug 21;177:78-86. doi: 10.1016/j.biochi.2020.08.010. Online ahead of print

A.G. Vassiliou, Z. Mastora, E. Jahaj, C. Keskinidou, M.E. Pratikaki, E. Kampisiouli, S.E. Orfanos, A. Kotanidou and I. Dimopoulou. Serum coenzyme Q10 levels decrease during progression from critical illness to sepsis/septic shock. *Biological Research for Nursing*. 2020 Jul 24;1099800420944489. doi: 10.1177/1099800420944489. Online ahead of print

A.G. Vassiliou*, C. Keskinidou, A. Kotanidou, F. Frantzeskaki, I. Dimopoulou, D. Langleben and S.E. Orfanos*. Knockdown of Bone Morphogenetic Protein Type II Receptor Leads to Decreased Aquaporin 1 Expression and Function in Human Pulmonary Microvascular Endothelial Cells. *Canadian Journal of Physiology and Pharmacology*. 2020 Jul 20. doi: 10.1139/cjpp-2020-0185. Online ahead of print

Ilias, Ioannis, Jahaj, Edison, Kokkoris, Stylianos, Zervakis, Dimitrios, Temperekidis, Prodromos, Magira, Eleni, Pratikaki, Maria, **Vassiliou, Alice**, Routsis, Christina, Kotanidou, Anastasia, Dimopoulou, Ioanna. Hyperglycaemia and SARS-CoV-2 infection in Intensive Care Unit patients: A case series. *In Vivo*. 2020 Sep-Oct;34(5):3029-3032

A.G. Vassiliou, C. Keskinidou, A. Kotanidou, F. Frantzeskaki, I. Dimopoulou, D. Langleben and S.E. Orfanos. Decreased Bone Morphogenetic Protein Type II Receptor and BMP-Related Signalling Molecules' Expression in Aquaporin 1-Silenced Human Pulmonary Microvascular Endothelial Cells. *Hellenic J Cardiol*. 2020 Apr 15. pii: S1109-9666(20)30065-8. doi: 10.1016/j.hjc.2020.04.003. [Epub ahead of print].

Vassiliou AG, Georgakopoulou C, Papageorgiou A, Georgakopoulos S, Goulas S, Paschalis T, Paterakis P, Gallos P, Kyriazis D, Plagianakos V. Health in All Policy Making Utilizing Big Data. *Acta Inform Med*. 2020 Mar;28(1):65-70. doi: 10.5455/aim.2020.28.65-70.

A.G. Vassiliou, G. Stamogiannos, E. Jahaj, E. Botoula, G. Floros, D.A. Vassiliadi, I. Ilias, S. Tsagarakis, M. Tzanela, S.E. Orfanos, A. Kotanidou, I. Dimopoulou. Longitudinal evaluation of glucocorticoid receptor alpha/beta expression and signalling, adrenocortical function and cytokines in critically ill steroid-free patients. *Mol Cell Endocrinol*. 2020 Feb 5;501:110656. doi: 10.1016/j.mce.2019.110656. Epub 2019 Nov 19

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