

BIOGRAPHICAL SKETCH

NAME: Constantinos Marios Mikelis

eRA COMMONS USER NAME (credential, e.g., agency login): MIKELIS79430

POSITION TITLE: Professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Patras, Greece	B.S.	09/2002	Biology
University of Patras, Greece	M.S.	12/2004	Molecular Pharmacology
University of Patras, Greece	Ph.D.	05/2009	Molecular Pharmacology
German Cancer Research Center (dkfz), Germany	Sabbatical training	09/2009	Vascular Oncology and Metastasis
NIDCR, National Institutes of Health	Postdoctoral training	09/2014	Vascular Biology, Cancer Biology and Metastasis

A. Personal Statement

Since 2026 I am a Professor at the Department of Pharmacy at the University of Patras, in Greece. I migrated to Greece in 2021 from the School of Pharmacy of Texas Tech University Health Sciences Center, as an Associate Professor at the Pharmaceutical Sciences Department. My TTUHSC journey started back in 2014 as an Assistant Professor at the same department. Prior to joining TTUHSC, I was a post-doctoral fellow in the Oral and Pharyngeal Cancer Branch of the National Institute of Dental and Craniofacial Research (NIDCR) at the National Institutes of Health (NIH). I had received training in the fields of vascular and cancer biology, focusing on the G protein-coupled receptor (GPCR) signaling pathways and since then I am trying to address gaps in our current knowledge of the role of small GTPases on vascular biology and on cancer cell-endothelial cell interaction. During my graduate studies, I worked on growth factor-induced angiogenesis, which led me receive a broad background on vascular biology. Upon completion of my PhD studies I moved to German Cancer Research Center (dkfz) in Heidelberg, Germany, where I received training in animal models and specifically in *in vivo* models of angiogenesis and tumor angiogenesis.

My current primary research focus in TTUHSC and in U Patras, revolves on investigating the role of the small GTPase RhoA on developmental and tumor-induced angiogenesis, lymphangiogenesis, on the role of endothelial RhoA on cancer cell trans-endothelial migration, including the signaling circuits involved in this process, and on identifying and studying genetic alterations taking place in the endothelium upon incorporation of cancer-derived exosomes, as part of the pre-metastatic niche. My lab is utilizing a repertoire of *in vitro* and *in vivo* models and innovative approaches to explore the functional role of RhoA in the endothelial cell physiology, as well as the molecular circuits governing cancer cell-endothelial cell communication, elucidating their functional significance in human physiology and pathophysiology.

Personal page in University of Patras, Department of Pharmacy Website:
<https://www.pharmacy.upatras.gr/index.php/en/members/faculty-members/professors/673-mikelis-constantinos-en>

Lab webpage: www.mikelislab.com

B. Positions and Honors

Positions and Employment

2009-2014	Fellow, Oral and Pharyngeal Cancer Branch, National Institute of Dental and Craniofacial Research, NIH, Bethesda, MD
2014-2021	Assistant Professor, Department of Biomedical Sciences, School of Pharmacy, Texas Tech University Health Sciences Center, Amarillo, TX
2015-present	Faculty Member, Graduate School of Biomedical Sciences, School of Pharmacy, Texas Tech University Health Sciences Center, Amarillo, TX
2019-present	Associate Member of US National Academy of Inventors
2021	Associate Professor (with tenure), Department of Pharmaceutical Sciences, School of Pharmacy, Texas Tech University Health Sciences Center, Amarillo, TX
2021-present	Adjunct Associate Professor, Department of Pharmaceutical Sciences, School of Pharmacy, Texas Tech University Health Sciences Center, Amarillo, TX
2021-2026	Associate Professor (with tenure), Department of Pharmacy, University of Patras, Greece
2023-2028	Adjunct Graduate Faculty Member, University of Louisiana, Monroe, USA
2025-2027	Member of the Board of Directors (Treasurer) of the Hellenic Society of Physiology
2026-present	Professor, Department of Pharmacy, University of Patras, Greece

Editorial Affiliations

2011-2016	Associated Faculty Member, <i>Faculty of 1000 – Cell Biology</i> http://f1000.com/prime/thefaculty/member/1458674642528216
2015-present	Editorial Board Member: “ <i>EC Dental Science</i> ” Journal
2016-present	Editorial Board Member: “ <i>Annals of Pharmacology and Pharmaceutics</i> ” Journal
2018-present	Editorial Board Member: “ <i>Gastrointestinal and Digestive Diseases</i> ” Journal
2018-present	Editorial Board Member: “ <i>Integrative Immunobiology and Vaccines</i> ” Journal
2019-present	Editorial Board Member: “ <i>Experimental and Therapeutic Medicine</i> ” Journal
2020-present	Editorial Board Member: “ <i>Journal of Human Physiology</i> ” Journal
2020-present	Editorial Board Member: “ <i>Frontiers in Cell and Developmental Biology</i> ” Journal
2021-present	Editorial Board Member: “ <i>Oncology Reports</i> ” Journal
2022-2024	Editorial Board Member: “ <i>Frontiers in Drug Delivery</i> ” Journal
2022-present	Section Editor (Vascular Physiology): “ <i>Current Neuropharmacology</i> ” Journal
2023-present	Editorial Board Member: “ <i>Oncology Research</i> ” Journal
2023-2025	Guest Editor of Methods in Molecular Biology Book: “ <i>Methods in Cardiovascular and Lymphatic Biology</i> ” (Springer Nature)
2024-present	Associate Editor: “ <i>Frontiers in Drug Delivery</i> ” Journal
2024-present	Editorial Board Member: “ <i>Nano and Medical Materials</i> ” Journal
2025-present	Guest Editor for Special Issue “ <i>Tumor Microenvironment and Metastasis</i> ” in Cellular Oncology journal (Springer Nature)
2025-present	Editorial Board Member: “ <i>Immune Discovery</i> ” Journal (https://www.sciepublish.com/journals/immune/editors)

Professional experience and service

Treasurer of the Hellenic Society of Physiology (2025-2027)

Editor of Scientific Books

1. Editor of the Book “Matrix Pathobiology and Angiogenesis” (with Dr. Papadimitriou) in the book series “Biology of Extracellular Matrix 12”, with Series Editor Nikos K. Karamanos. ISSN 0887-3224; ISBN 978-3-031-19615-7; ISSN 2191-1959 (electronic); ISBN 978-3-031-19616-4 (eBook) by Springer Nature Switzerland AG 2023.
2. Editor of the Book “Methods in Cardiovascular and Lymphatic Biology” (with Dr. Papadimitriou) in the book series “Methods in Molecular Biology” by Springer Nature (2025).

Editor of Greek translations of Physiology Books

1. Human Physiology (Pocock, Richards and Richards), Broken Hill Publishers
2. Human Physiology (Carrie Mahoney), Εκδόσεις Κωνσταντάρας

Editor of Special Issues

1. Editor of the Special Issue “Advances in Chemoprevention: Development of Ligands Interfering with the Carcinogenesis”, Journal: Molecules (MDPI), Co-editors: Nadezhda German (TTUHSC, USA), Luca Cucullo (TTUHSC, USA), 2020.
2. Editor of the Special Issue “Endothelial Cells in Inflammation, Tissue Repair, Ageing and Cancer”, Journal: Cancers (MDPI), Co-editor: Evangelia Papadimitriou (U Patras, Greece), 2023.
3. Editor of the Special Issue “Advances in Angiogenesis and Endothelial Cell Physiology”, Journal: Frontiers in Bioscience-Landmark (IMR Press), Co-editors: Evangelia Papadimitriou (U Patras), Margarita Lamprou (U Patras), 2023.
4. Editor of the Special Issue “Tumor Microenvironment and Metastasis”, Journal: Cellular Oncology (Springer Nature), Co-editors: Jawed Siddiqui (Univ. of Mississippi Medical Center, USA), Colleen Doci (DePauw University, USA), 2025.
5. Editor of the Special Issue “Endothelial Cells in Inflammation, Tissue Repair, Ageing and Cancer: 2nd Edition”, Journal: Cancers (MDPI), 2025.
6. Editor of the Special Issue “Immune Cell Effect on the Endothelium”, Journal: Cells (MDPI), Co-editor: Margarita Lamprou (U Patras, Greece), 2025.
7. Editor of the Special Issue “Endothelial Cell Biology in Health and Pathological Conditions”, Journal: Biology (MDPI), 2026-2027.

Ad-hoc Reviewer for >100 Scientific Journals:

- Oral Diseases Journal 2014.1-present
- British Journal of Pharmacology 2014.12-present
- EC Dental Science 2015.1-present
- Thrombosis and Haemostasis 2015.1-present
- Biomedical Chromatography 2015.2-present
- Molecular Biology of the Cell 2016.1-present
- Oncotarget 2016.4-present
- Heliyon 2016.8-present
- BMC Pharmacology and Toxicology 2017.1-present
- European Journal of Pharmacology 2017.3-present
- Vascular Cell 2017.8-present
- PLOS One 2017.10-present
- Toxicology Reports 2017.11-present
- European Journal of Medicinal Chemistry 2018.1-present
- International Journal of Oncology 2018.3-present
- Journal of Cellular and Molecular Medicine 2018.4-present
- Food & Function 2018.7-present
- International Journal of Molecular Medicine 2018.9-present
- Allergologia et Immunopathologia 2018.10-present
- Experimental and Therapeutic Medicine 2018.11-present
- Journal of Innate Immunity 2018.11-present
- Molecular Medicine Reports 2018.12-present

- Experimental and Therapeutic Medicine 2018.12-present
- Carcinogenesis 2018.12-present
- Oncology Letters 2019.1-present
- BMC Cancer 2019.2-present
- Aging 2019.4-present
- Experimental and Molecular Pathology 2019.6-present
- RSC Advances 2019.7-present
- Cancers 2019.8-present
- Pharmacology 2019.9-present
- Stem Cells and Development 2019.10-present
- Cell Communication and Signaling 2019.11-present
- Molecular Medicine 2019.11-present
- Cells 2019.11-present
- International Journal of Clinical and Experimental Ophthalmology 2020.1-present
- Journal of Bone and Joint Infection 2020.2-present
- Microcirculation 2020.2-present
- Journal of Vascular Research 2020.2-present
- Molecular Pharmaceutics 2020.2-present
- Nanomaterials 2020.2-present
- Artificial Cells, Nanomedicine and Biotechnology 2020.3-present
- Journal of Human Physiology 2020.3-present
- Biomedical Research International 2020.5-present
- Cell Biology and Toxicology 2020.5-present
- Antioxidants 2020.5-present
- FASEB Journal 2020.6-present
- Archives of Biochemistry and Biophysics 2020.6-present
- Oncology Letters 2020.7-present
- Technology in Cancer Research and Treatment 2020.8-present
- Genes 2020.8-present
- Microvascular Research 2020.8-present
- Angiogenesis 2020.9-present
- PLOS Computational Biology 2020.9-present
- Blood 2020.10-present
- Expert Opinion on Investigational Drugs 2020.10-present
- Drug Development Research 2020.10-present
- Frontiers in Cellular and Developmental Biology 2020.11-present
- Frontiers in Physiology 2020.11-present
- Journal of Biological Research 2020.11-present
- Blood Advances 2020.11-present
- Biomedicines 2020.12-present
- Life Sciences 2020.12-present
- Prostaglandins and Other Lipid Mediators 2021.1-present
- Translational Lung Cancer Research 2021.1-present
- Frontiers in Bioengineering and Biotechnology 2021.2-present
- Acta Biomaterialia 2021.2-present
- Traffic 2021.3-present
- Frontiers in Pharmacology 2021.3-present
- Canadian Journal in Physiology and Pharmacology 2021.3-present
- Cancer Research and Clinical Oncology 2021.3-present
- Polymers 2021.3-present
- Drug Discovery Today 2021.4-present
- Acta Astronautica 2021.4-present
- Scientific Reports 2021.4-present

- Gene Reports 2021.5-present
- Oncogene 2021.8-present
- Biomedicine & Pharmacotherapy 2021.9-present
- Communications Biology 2021.10-present
- Cellular Signaling 2021.10-present
- Clinical and Translational Medicine 2021.10-present
- Neoplasia 2021.11-present
- Advanced Healthcare Materials 2021.12-present
- Expert Opinion on Therapeutic Targets 2022.1-present
- Haematologica 2022.1-present
- BJBMS (Bosnian Journal of Basic Medical Sciences) 2022.1-present
- Clinical and Translational Medicine 2022.2-present
- BBA Molecular Cell Research 2022.2-present
- Genes 2022.2-present
- Bioactive Materials 2022.2-present
- Pharmacological Research 2022.3-present
- Oncology reports 2022.3-present
- Frontiers in Cardiovascular Medicine 2022.4-present
- Clinical and Translational Medicine 2022.5-present
- Nature Nanotechnology 2022.7-present (**IF: 39.21**)
- Biochemical Genetics 2022.8-present
- Journal of Steroid Biochemistry and Molecular Biology 2022.8-present
- Pharmaceutics 2022.9-present
- Biomolecules 2022.10-present
- Frontiers in Endocrinology 2022.10-present
- Nutrients 2022.11-present
- Signal Transduction and Targeted Therapy 2022.11-present (**IF: 52.7**)
- Molecules 2022.12-present
- Journal of Clinical Medicine 2023.01-present
- Advanced Science 2023.02-present (**IF: 17.52**)
- Gene Reports 2023.02-present
- Advanced Drug Delivery Reviews 2023.03-present
- Clinical and Translational Medicine 2023.03-present
- International Journal of Molecular Sciences 2023.04-present
- Pathology - Research and Practice 2023.04-present
- Journal of Inflammation Research 2023.05-present
- Biochemical Pharmacology 2023.05-present
- Ecotoxicology and Environmental Safety 2023.06-present
- Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease 2023.8-present
- Methods X 2023.8-present
- Biotechnology and Genetic Engineering Reviews 2023.8-present
- Biochemical and Biophysical Research Communications 2023.8-present
- International Journal of Experimental Pathology 2023.8-present
- Cancer Drug Resistance 2023.8-present
- Biochimie 2023.9-present
- Marine Drugs 2023.9-present
- Biomolecules and Biomedicine 2023.10-present
- Drug Design, Development and Therapy 2023.10-present
- Regenerative Biomaterials 2023.11-present
- Research in Veterinary Science 2023.12-present
- Current Drug Therapy 2024.1-present
- Current Topics in Medicinal Chemistry 2024.1-present
- Recent Patents on Nanotechnology 2024.1-present

- Xenobiotics 2024.2-present
- Nanotechnology Reviews 2024.2-present
- Drug and Chemical Toxicology 2024.2-present
- Reports 2024.2-present
- Journal of Translational Medicine 2024.3-present
- Vessel plus 2024.3-present
- Developmental Dynamics 2024.3-present
- Virology Journal 2024.4-present
- Computational and Structural Biotechnology Journal 2024.4-present
- Journal of Orthopaedic Surgery and Research 2024.4-present
- iScience 2024.5-present
- Biocybernetics and Biomedical Engineering 2024.5-present
- Advanced Biology 2024.5-present
- Biochemical Genetics 2024.5-present
- Cytokine 2024.7-present
- Journal of Molecular Structure 2024.7-present
- Current Proteomics 2024.7-present
- Annals of Vascular Medicine and Research 2024.7-present
- Protein & Peptide Letters 2024.7-present
- Molecular and Cellular Biochemistry 2024.8-present
- Biomedicine and Pharmacology 2024.8-present
- ACS Pharmacology & Translational Science 2024.08-present
- Journal of Applied Polymer Science 2024.9-present
- Cancer Reports 2024.9-present
- Cancer Treatment and Research Communications 2024.9-present
- Bioorganic Chemistry 2024.9-present
- Nano Select 2024.9-present
- MedComm 2024.10-present
- Communications Medicine 2024.11-present
- Cancer and Metastasis Reviews 2024.11-present
- Histochemistry and Cell Biology 2025.03-present
- International Journal of Drug Discovery and Pharmacology 2025.04-present
- Nanomedicine 2025.04-present
- Neuroscience 2025.04-present
- Biochemistry and Biophysics Reports 2025.05-present
- Materials Today Bio 2025.05-present
- Analytical Chemistry 2025.05-present
- Annals of Medicine 2025.06-present
- Journal of Translational Genetics and Genomics 2025.07-present
- The Journal of Gene Medicine 2025.11-present
- Functional & Integrative Genomics 2025.11-present
- ACS Omega 2025.12-present
- Biology Methods and Protocols 2025.12-present
- Biology 2026.01-present
- Molecular Biology Reports 2026.01-present
- Clinical and Experimental Medicine 2026.02-present

Grant Reviewer for Funding Agencies/Universities

- School of Pharmacy, TTUHSC (USA)
- University of Nicosia (Cyprus)

- School of Veterinary Medicine, Texas Tech University (USA)
- Medical Research Council (MRC) (UK)
- School of Medicine, University of Washington (USA)

External Reviewer for Faculty Promotion and Tenure

- School of Pharmacy, King Abdullah University (Saudi Arabia)
- Greek Universities (through the Greek University Faculty system APELLA)

External Reviewer for PhD Theses

- Department of Medical Surgical Sciences and Biotechnologies, “La Sapienza” University of Rome (Italy)

Memberships

2011-2016	Associate Member, Faculty of 1000
2012-2020	Member, American Society of Biochemistry and Molecular Biology (ASBMB)
2015-present	Member, North American Vascular Biology Association (NAVBO)
2015-2020	Member, American Association of Pharmaceutical Scientists (AAPS)
2016-present	Member, International Society for Extracellular Vesicles (ISEV)
2016-2021	Member, American Association of Cancer Research (AACR)
2021-present	Member, Hellenic Society of Physiology

Honors and Awards

- 2003 Travel Award for CellTarget Conference, Budapest, Hungary.
- 2003-2004 Award and scholarship reward from *The Hellenic National Scholarships’ Foundation* for student excellence (highest grades from University of Patras).
- 2004 Award and scholarship reward from *The Hellenic Pharmaceutical Industry Association* (highest grades nationwide).
- 2005-2008 Scholarship from Research Committee of the University of Patras.
- 2008 Travel Award from the European School of Haematology for the 8th Euroconference on Angiogenesis, Paris, France
- 2008 Travel Award from Hellenic Society for Biochemistry and Molecular Biology for the 33rd FEBS Congress and 11th IUBMB Conference, Athens, Greece.
- 2013 Travel Award from ASBMB (American Society for Biochemistry and Molecular Biology) for the 2013 ASBMB Annual Meeting, Boston, MA.
- 2013 Invited Speaker: University of Dresden, Germany
- 2013-2014 Fellows Award for Research Excellence (FARE), sponsored by the NIH Scientific Directors, Office of Intramural Training and Education and FelCom.
- 2014 Invited Speaker: Texas Tech University Health Sciences Center, Amarillo, TX.
- 2014 Invited Speaker: University of Nottingham, UK.
- 2014 Invited Speaker: Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD.
- 2015 Invited Speaker: University of Patras, Greece.
- 2015 Invited Speaker: Immunotherapeutics and Biotechnology Department, School of Pharmacy, Texas Tech University Health Sciences Center, Abilene, TX.

- 2016 Invited Speaker: Department of Biomedical Sciences, Bouve College of Health Sciences, Northeastern University, Boston, MA.
- 2016 Invited Speaker: Amarillo Research Days, Amarillo, TX.
- 2017 TTUHSC School of Pharmacy Graduate Mentor of the Year Award.
- 2017 TTUHSC Graduate School of Biomedical Sciences Outstanding Teacher of the Year Award, sponsored by the Student Senate.
- 2018 TTUHSC School of Pharmacy Graduate Mentor of the Year Award.
- 2018 TTUHSC Graduate School of Biomedical Sciences Outstanding Teacher of the Year Award, sponsored by the Student Senate.
- 2019 TTUHSC Graduate School of Biomedical Sciences Outstanding Teacher of the Year Award, sponsored by the Student Senate.
- 2019 TTUHSC School of Pharmacy Graduate Mentor of the Year Award.
- 2019 TTUHSC School of Pharmacy Graduate Teacher of the Year Award.
- 2020 TTUHSC Graduate School of Biomedical Sciences Outstanding Faculty Award, sponsored by the Student Senate.
- 2020 TTUHSC Graduate School of Biomedical Sciences Outstanding Teacher of the Year Award, sponsored by the Student Senate.
- 2020 TTUHSC School of Pharmacy Graduate Mentor of the Year Award.
- 2020 TTUHSC School of Pharmacy Graduate Teacher of the Year Award.
- 2021 2021 Faculty Appreciation Award for the TTUHSC Graduate School of Biomedical Sciences, sponsored by the Student Senate.
- 2021 TTUHSC Graduate School of Biomedical Sciences Outstanding Teacher of the Year Award, sponsored by the Student Senate.
- 2021 TTUHSC School of Pharmacy Graduate Teacher of the Year Award.
- 2022 TTUHSC School of Pharmacy Graduate Mentor of the Year Award.

Honors and Awards of Mikelis' lab members

- Sanallah Sajib:
 - 2017 AAPS BIOTEC Section Travel Award for the AAPS National Biotechnology Conference, May 1-3 2017, San Diego, California.
 - Best Podium Presentation Award during the 16th Annual Amarillo Research Days, June 15-16 2017, Amarillo, Texas.
 - 2017 Vasculata Scholarship Award for the 2017 Vasculata, July 24-27, Chicago, Illinois.
 - 2017 Mary Lou Clements-Mann Scholarship.
 - Best Oral Presentation in 2017 Graduate Student Seminars, Graduate Program in Pharmaceutical Sciences, September 1, 2017.
 - 2018 Phonathon Scholarship
 - Selection for Podium Presentation by TTUHSC Graduate School of Biomedical Sciences at 2018 Student Research Week (SRW), March 20-25, Lubbock, Texas.

- 2018 Vasculata Scholarship Award for the 2018 Vasculata, July 23-26, Washington University in St. Louis, MO.
 - Young Investigator Fellowship Award, Symposia on Cancer Research 2018, October 4-5, MD Anderson Cancer Center, Houston, TX.
 - Graduate Student Travel Support Award, 58th Annual Meeting of the Society of Toxicology, March 10-14 2019, Baltimore, MD.
 - American Society for Biochemistry and Molecular Biology (ASBMB) Graduate Student Travel Award, 2019 Experimental Biology Meeting, April 6-9, Orlando, Florida.
 - Selection for the NCI Graduate Student Recruiting Program, May 7-8 2019, Bethesda, MD.
 - Third poster award in 31st Annual TTUHSC Student Research week, March 20-22 2019, Lubbock, TX.
 - K Wyatt McMahon Outstanding Graduate Student Award, GSBS Graduation Ceremony, May 7 2021.
- Fatema Tuz Zahra:
 - 2017 Vasculata Scholarship Award for the 2017 Vasculata, July 24-27, Chicago, Illinois.
 - 2017 Mary Lou Clements-Mann Scholarship.
 - 2018 Vasculata Scholarship Award for the 2018 Vasculata, July 23-26, Washington University in St. Louis, MO.
 - 2018 Mary Lou Clements-Mann Scholarship.
 - Best Oral Presentation in 2018 Graduate Student Seminars, Graduate Program in Pharmaceutical Sciences, September 4th, 2018.
 - American Society for Biochemistry and Molecular Biology (ASBMB) Graduate Student Travel Award, 2019 Experimental Biology Meeting, April 6-9, Orlando, FL.
 - Cayman Chemical Travel Award for attendance of the 2019 Experimental Biology Meeting, April 6-9, Orlando, FL.
 - Vasculata Scholarship, for attendance of 2019 Vasculata, July 15-18, Medical College of Wisconsin, Milwaukee, WI.
 - 2019 Mary Lou Clements-Mann Scholarship.
 - Poster Award in 2019 Gordon Research Seminar on Angiogenesis, August 3-4, Newport, Rhode Island, CT.
 - Graduate Student Travel Support Award for the Society of Toxicology 59th Annual Meeting in Anaheim, California, March 15-19, 2020.
 - Selection by the American Society for Investigative Pathology (ASIP) for Oral Presentation at the Experimental Biology meeting in San Diego, California, April 4-7, 2020.
 - Selection for Podium Presentation in 32nd Annual TTUHSC Student Research week, March 10-13 2020, Lubbock, TX.
 - 2020 Dean's Scholarship Award, and for the duration of her studies at TTUHSC.
 - 2020 AAPS Best Abstract Award, American Association of Pharmaceutical Scientists, AAPS PharmSci 360, October 26-November 5, New Orleans, LA.
 - PISA 2020 GALL Trainee Scholar Award for Excellence in Cardiovascular Research, PISA 2020 Meeting, November 9-13 2020 Virtual Conference.
 - 2021 Phonathon Scholarship
 - Selection for the NCI Graduate Student Recruiting Program, May 4-5 2021, Bethesda, MD.

- ASIP 2021 Experimental Pathologist-in-Graduate-Training (EPIGT) Award.
- K Wyatt McMahon Outstanding Graduate Student Award, GSBS Graduation Ceremony, May 2022.

- Racheal Akwij:
 - 2018-2019 American Association of University Women (AAUW) International Fellowship.
 - Best Oral Presentation in 2019 Graduate Student Seminars, Graduate Program in Pharmaceutical Sciences, September 4th 2019.
 - 2020 Dean's Recognition Award
 - 2021 Dean's Scholarship Award, and for the duration of her studies at TTUHSC.
 - Best Oral Presentation in 2021 Graduate Student Seminars, Graduate Program in Pharmaceutical Sciences, December 2021.
 - 2022 Dean's Scholar Award

- Behnaz Lahooti:
 - 2021 Mai Anh Do & David Nguyen Foundation Scholarship.
 - 2021 Mary Lou Clements-Mann Scholarship.
 - 2021 Scholarship of American Association of Iranian Pharmaceutical Scientists
 - 2022 Travel Award for the ASPET Annual Meeting at Experimental Biology (EB)
 - 2023 The Journal of Pharmacology and Experimental Therapeutics Highlighted Trainee Author for the April 2023 Issue

- Andriana Plevriti:
 - 2025-2028 Andreas Mentzelopoulos Foundation Scholarship

- Maria Giannakopoulou:
 - 2025 EMBO Short-term Fellowship, for the University of Cantabria, Spain

C. Peer-reviewed Publications (Manuscripts, Invited Editorials, Book Chapters, Patents, Abstracts)

Manuscripts

1. Papadimitriou, E., Polykratis, A., Hatziapostolou, M., Parthymou, A., Polytarchou, C., **Mikelis, C.** Heparin affin regulatory peptide: a new target for tumour therapy? *Curr Cancer Drug Targets*. 2004 4(6):471-82.
2. Kokolakis, G., **Mikelis, C.**, Papadimitriou, E., Courty, J., Karetsou, E. and Katsoris, P. Effect of Heparin Affin Regulatory Peptide on the Expression of Vascular Endothelial Growth Factor Receptors in Endothelial Cells. *In Vivo* 2006 20(5):629-635.
3. **Mikelis, C.**, Koutsoumpa, M. and Papadimitriou, E. Pleiotrophin as a possible new target for angiogenesis-related diseases and cancer. *Recent Patents on Anti-Cancer Drug Discovery*. 2007 2: 175-186.

4. Parthymou, A., Lampropoulou, E., **Mikelis, C.**, Drosou, G. and Papadimitriou, E. Heparin affin regulatory peptide/pleiotrophin negatively affects diverse biological activities in C6 glioma cells. *Eur J Cell Biol.* 2008 87(1):17-29.
5. **Mikelis, C.** and Papadimitriou, E. Heparin-binding protein pleiotrophin: An important player in the angiogenic process. *Connect Tissue Res.* 2008 49(3):149-152.
6. Polytarchou, C., Hatziapostolou, M., Poimenidi, E., **Mikelis, C.**, Papadopoulou, A., Parthymou, A. and Papadimitriou, E. Nitric oxide stimulates migration of human endothelial and prostate cancer cells through up-regulation of pleiotrophin expression and its receptor protein tyrosine phosphatase beta/zeta. *Int J Cancer* 2009 124(8):1785-1793.
7. Koutsoumpa, M., Hatziapostolou, M., **Mikelis, C.**, Koolwijk, P. and Papadimitriou, E. Aprotinin stimulates angiogenesis and human endothelial cell migration through the growth factor pleiotrophin and its receptor protein tyrosine phosphatase beta/zeta. *Eur J Pharmacol* 2009 602(2-3):245-249.
8. **Mikelis, C.**, Sfaelou, E., Koutsoumpa, M., Kieffer, N. and Papadimitriou, E. Integrin $\alpha_v\beta_3$ is a pleiotrophin receptor required for pleiotrophin-induced endothelial cell migration through receptor protein tyrosine phosphatase β/ζ . *FASEB J* 2009 23(5):1459-1469.
9. Papadimitriou, E., **Mikelis, C.**, Lampropoulou, E., Koutsoumpa, M., Theochari, K., Tsirmoula, S., Theodoropoulou, C., Lamprou, M., Sfaelou, E., Vourtsis, D. and Mpountouris, P. The role of pleiotrophin in cancer. *Eur Cytokine Netw* 2009 20(4):180-190.
10. Kutschera, S., Weber, H., Weick, A., De Smet, F., Genove, G., Takemoto, M., Prahst, C., Riedel, M., **Mikelis, C.**, Baulande, S., Champseix, C., Kummerer, P., Coseiller, E., Multon, M.C., Heroult, M., Bicknell, R., Carmeliet, P., Betsholtz, C. and Augustin, H.G. Differential endothelial transcriptomics identifies semaphoring 3G as a vascular class 3 semaphorin. *Arterioscler Thromb Vasc Biol* 2011 31(1):151-9.
11. **Mikelis, C.**, Lamprou, M., Koutsoumpa M., Koutsoumpas A.G., Spyranti, Z., Zompra, A.A., Spiliopoulos, N., Vradis A.A., Katsoris, P., Spyroulias, G.A., Cordopatis P., Courty, J. and Papadimitriou E. A peptide corresponding to the C-terminal region of pleiotrophin inhibits PTN-induced angiogenesis in vivo and in vitro. *J Cell Biochem* 2011 112(6):1532-43.
12. Patel, V., Marsh, C.A., Dorsam, R.T., **Mikelis, C.M.**, Masedunskas, A., Amornphimoltham, P., Nathan, C.A., Singh, B., Weigert, R., Molinolo, A.A. and Gutkind, J.S. Decreased lymphangiogenesis and lymph node metastasis by mTOR inhibition in head and neck cancer. *Cancer Res* 2011 71(22):7103-12.
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60. Zahra F.T., Sajib M.S., Ichiyama Y., Tullar P., Kubota Y., **Mikelis C.M.** Participation of endothelial small GTPase RhoA in embryo development and retinal angiogenesis. 58th Annual Meeting of Society of Toxicology, Baltimore, MD, March 10-14, 2019.
61. Akwii, R.G., Zahra, F.T., Sajib, M.S., Gibson, K., Tullar P., **Mikelis C.M.** Small GTPase RhoA participates in Angiopoietin2-induced lymphatic endothelial cell migration. 31st Annual TTUHSC Student Research Week, Lubbock, TX, March 19-22, 2019.
62. Chowdhury, E.A., Alqahtani, F., Noorani, B., Sajib, M.S., **Mikelis, C.M.**, Mehvar, R., Bickel, U. Blood-brain barrier permeability of [¹³C] sucrose in young adult and aged mice. 31st Annual TTUHSC Student Research Week, Lubbock, TX, March 19-22, 2019.
63. Sajib, M.S., Zahra, F.T., Park, J.H., Akwii, R., Tullar, P.E., Srivastava, S.K., Bickel, U., **Mikelis, C.M.** Inhibition of Endothelial RhoA-ROCK pathway blocks cancer Metastasis. 31st Annual TTUHSC Student Research Week, Lubbock, TX, March 19-22, 2019.
64. Zahra F.T., Sajib M.S., Ichiyama Y., Akwii R., Tullar P., Kubota Y., **Mikelis C.M.** The endothelial small GTPase RhoA regulates angiogenesis in certain pathological conditions. 31st Annual TTUHSC Student Research Week, Lubbock, TX, March 19-22, 2019.
65. Sajib, M.S., Zahra, F.T., Park, J.H., Tullar, P., Srivastava, S.K., Bickel, U., **Mikelis, C.M.** Metastatic cancer cells activate endothelial RhoA-ROCK pathway for trans-endothelial migration. 2019 AACR Annual Meeting, Atlanta, GA, March 29 – April 3, 2019.
66. Zahra F.T., Sajib M.S., Ichiyama Y., Akwii R., Tullar P., Kubota Y., **Mikelis C.M.** Involvement of Endothelial Small GTPase RhoA in Angiogenesis *In Vitro* and *In Vivo*. Experimental Biology 2019, Orlando, FL, April 6-9, 2019.
67. Sajib, M.S., Zahra, F.T., Park, J.H., Tullar, P., Srivastava, S.K., Bickel, U., **Mikelis, C.M.** Endothelial RhoA Regulates Breast Cancer Metastasis. 2019 ASBMB Annual Meeting, Orlando, FL, April 6-9, 2019.
68. Sajib, M.S., Zahra, F.T., Park, J.H., Tullar, P., Srivastava, S.K., Bickel, U., **Mikelis, C.M.** Role of Endothelial RhoA in Melanoma and Lung Cancer Trans-endothelial Migration and Metastasis. 2019 ASIP Annual Meeting, Orlando, FL, April 6-9, 2019.
69. Tsirmoula, S., Skondra, L., Enake, M., Koutsoumpa, M., Kastana, P., **Mikelis, C.M.**, Skandalis, S., Hellman, U., Sugahara, K., Papadimitriou, E. Interaction of moesin with $\alpha\beta 3$ integrin regulates endothelial cell migration. 3rd Joint Meeting of the European Society for Microcirculation (ESM) and the European Vascular Biology Organization (EVBO), Maastricht, The Netherlands, April 15-18, 2019. Citation: J. Vacs Res 2019; 56(suppl 1): 89.
70. Akwii, R.G., Zahra, F.T., Sajib, M.S., Gibson, K., Tullar P., **Mikelis C.M.** Angiopoietin 2 (Ang2)-induced lymphatic endothelial cell migration is dependent on RhoA activation. Lymphatic Forum 2019, Austin, TX, May 30 -June 1, 2019.
71. Chowdhury, E.A., Alqahtani, F., Noorani, B., Sajib, M.S., **Mikelis, C.**, Mehvar, R., Bickel, U. The brain uptake kinetics of markers with low passive permeability: Novel insights from studies with sucrose. 13th International Conference on Cerebral Vascular Biology (CVB 2019), Miami, FL, June 25-28, 2019.
72. Lamprou, M., Kastana, P., Choleva, E., Kofina, F., Tzoupis, H., Pantazaka, E., Sajib, M.S., Tselios, T., **Mikelis, C.M.**, Papadimitriou, E. Binding of pleiotrophin to vascular endothelial growth factor receptor 2 regulates endothelial cell migration. 44th FEBS Congress, Krakow, Poland, July 6-11, 2019. Citation: FEBS Open Bio, 9: P-06-031. doi:10.1002/2211-5463.12675.
73. Zahra F.T., Sajib M.S., Akwii, R., Ichiyama Y., Tullar P., Kubota Y., **Mikelis, C.M.** Involvement of Endothelial Small GTPase RhoA in basic endothelial cell functions, embryo development and retinal angiogenesis. Vasculata 2019, Wauwatosa, WI, July 15-18, 2019.
74. Zahra, F.T., Sajib, M.S., Oikonomou, V., Apu, M.N., Akwii, R., Tullar, P., Lionakis, M.S., **Mikelis, C.M.** Role of small GTPase RhoA in basic fibroblast growth factor (bFGF)-induced angiogenesis. 2019 Gordon Research Conference on Angiogenesis, August 3-4, Newport, Rhode Island, CT.

75. Zahra F.T., Sajib M.S., Akwii, R., Ichiyama Y., Tullar P., Kubota Y., **Mikelis, C.M.** Endothelial RhoA GTPase is essential for in vitro endothelial functions but dispensable for physiological in vivo angiogenesis. 2019 Gordon Research Conference on Angiogenesis, August 3-4, Newport, Rhode Island, CT.
76. Ashraf-Uz-Zaman, M., Ji, G., Alvina, K., Sajib, M.S., **Mikelis C.M.**, Avila, M., Neugebauer, V., German, N.A. Discovery, structure-activity relationship study, and *in vivo* evaluation of novel series of mono-amine transporter inhibitors. 59th Society of Toxicology Annual Meeting and ToxExpo 2020, March 15-19, Anaheim, CA.
77. Doçi, C.L., Calleja-Valera, J.L., **Mikelis, C.M.**, Molinolo, A.A., Gutkind, J.S. Sema3F suppresses tumor initiation through alteration of the immunological tumor microenvironment in chemical carcinogenesis models. Experimental Biology 2020, April 4-7, San Diego, CA.
78. Zahra, F.T., Sajib, M.S., Oikonomou, V., Akwii, R., Tullar, P., Lionakis, M.S., **Mikelis, C.M.** Endothelial small GTPase RhoA: A potential target for anti-angiogenic therapy. Experimental Biology 2020, April 4-7, San Diego, CA.
79. Zahra, F.T., Sajib, M.S., Akwii, R., Oikonomou, V., Tullar, P., Wood, L., Lionakis, M.S., **Mikelis, C.M.** The regulatory activity of GIPC1 on RhoA-mediated bFGF angiogenic functions. Experimental Biology 2021, Virtual Meeting.
80. Akwii, R.G., Sajib, M.S., Zahra, F.T., Tullar, P., **Mikelis, C.M.** Angiopoietin-2-induced lymphatic endothelial cell migration drives lymphangiogenesis via the β 1 integrin-RhoA-formin axis. Lymphatic Forum 2021, May 31-June 5, Virtual Meeting.
81. Elwaie, T.A., Sajib, M.S., Abbas, S.E., George, R.F., Aly, E.I., Elmageed, Z.Y.A., **Mikelis, C.M.**, Ali H.I. Novel Pyrrolotriazine based VEGFR-2 kinase Inhibitors as Promising Candidates Targeting Triple Negative Breast Cancer: Design, Synthesis, Biological Evaluation and Molecular Modeling Study. San Antonio Breast Cancer Symposium 2021, Sep 7-11.
82. Pervaiz, I., Zahra, F.T., **Mikelis, C.M.**, Al-Ahmad, A. Modeling Glut1 Deficiency Syndrome at the Human Blood-Brain Barrier *In Vitro* Using CRISPR-Cas9 Edited Induced Pluripotent Stem Cells. 2021 Society of Neuroscience Conference, Nov 13-16.
83. Lahooti, B., Akwii, R.G., Matthaiolampakis, G., Mikelis, C.M. Endothelial-specific nanodelivery of Rho kinase inhibitors: Targeting tumor angiogenesis and metastasis. Experimental Biology 2022, April 2-5, Philadelphia, PA.
84. Akwii, R.G., Sajib, M.S., Zahra, F.T., Tullar, P., Zabet-Moghaddam, M., **Mikelis, C.M.** Angiopoietin-2-induced lymphatic endothelial cell migration drives lymphangiogenesis via the β 1 integrin-RhoA-formin axis. 2022 Hellenic Society of Physiology Meeting, April 15-16 2022, Athens, Greece.
85. Sajib, M.S., Zahra, F.T., Lamprou, M., Park, J.H., Osorio, M., Tullar, P., Akwii, R.G., Marazioti, A., Zheng, Y., Gutkind, J.S., Bickel, U., Trasti, S., **Mikelis, C.M.** Endothelial RhoA mediates breast tumor-derived IL-8-induced transendothelial tumor cell migration and metastasis. 72nd Conference of the Hellenic Society of Biochemistry and Molecular Biology, December 2-4 2022, Patras, Greece.
86. Shrestha, A., Lahooti, B., **Mikelis, C.M.**, Mattheolabakis, G. Stable upregulation of miR-143 and miR-506 decreases cell proliferation and cell cycle progression in lung cancer cells. 2023 Louisiana Biomedical Research Network Annual Meeting. January 20-21, 2023, Baton Rouge, LA.
87. Shrestha, A., Lahooti, B., Madadi, M., **Mikelis, C.M.**, Mattheolabakis, G. Impact of individual and combined deregulation of miR-143 and miR-506 on cytokinetic and morphometric parameters in A549 lung cancer cells. 2023 American Association for Cancer Research (AACR) Meeting, April 14-19, Orlando, FL.
88. Shrestha, A., Lahooti, B., Madadi, M., **Mikelis, C.M.**, Mattheolabakis, G. Impact of individual and combined deregulation of miR-143 and miR-506 on cytokinetic and morphometric parameters in A549 lung cancer cells. 2023 University of Louisiana Monroe Student Research Symposium, September 22, Monroe, LA.
89. Sajib, M.S., Zahra, F.T., Lamprou, M., Park, J.H., Osorio, M., Tullar, P., Akwii, G.R., Marazioti, A., Zheng, Y., Gutkind, J.S., Bickel, U., Trasti, S., **Mikelis C.M.** Inhibition of endothelial RhoA-ROCK signaling, triggered by tumor-derived paracrine and cell-to-cell contact mechanisms, blocks cancer metastasis. Joint Meeting of Hellenic Society of Physiology and American Physiological Society, Academy of Athens, October 5-6 2023, Athens, Greece.

90. Shrestha, A., Haque, M.A., Hoque, M.M., Lahooti, B., Hossian, A.K.M.N., Madadi, M., Shrestha, P., **Mikelis, C.M.**, Mattheolabakis, G. Stable dual miR-143 and miR-506 upregulation inhibits cell proliferation and tumor growth. 2023 University of Louisiana Monroe Student Research, November 22, Monroe, LA.
91. Shrestha, A., Shrestha, P., Haque, M.A., Hoque, M.M., Lamprou, M., **Mikelis, C.M.**, Mattheolabakis, G. Lentivirus-mediated stable dual miR-143 and miR-506 upregulation demonstrates improved response against A549 cell proliferation, migration, survival, and tumor growth progression compared to individual miR deregulation. 2024 Louisiana Biomedical Research Network (LBRN) Annual Meeting, January 19-20, Baton Rouge, LA.
92. Sajib, M.S., Zahra, F.T., Lamprou, M., Park, J.H., Osorio, M., Tullar, P., Akwii, R.G., Marazioti, A., Zheng, Y., Gutkind, J.S., Bickel, U., Trasti, S., **Mikelis, C.M.** Molecular players and impact of the modulation of the endothelial RhoA-ROCK pathway on metastatic potential. 73rd National Conference of the Hellenic Society of Biochemistry and Molecular Biology, 2023 December 1-3, Athens, Greece.
93. Giannakopoulou, M., Akwii, R.A., Plevriti, A., Lamprou, M., **Mikelis, C.M.** The compensatory role of RhoB upon RhoA deficiency in the endothelial cells. 74th National Conference of the Hellenic Society of Biochemistry and Molecular Biology, 2024 December 13-15, Thessaloniki, Greece.
94. Artemis, S., Plevriti, A., Mourkogianni, E., Lamprou, M., Santorinaiou, C., **Mikelis, C.M.**, Marazioti, A. Rho-kinase (ROCK) inhibition by Fasudil suppresses mutant KRAS-induced Malignant Pleural Effusion formation. 33rd Panhellenic Pneumonology Conference, 2024 December 11-15, Athens, Greece.*
* 1st Price Award
95. Papadrakaki, M., Michalopoulou, G., Tsante, A., Toufas, K., Katsaouni, D., Kondyli, M., Plevriti, A., Pyriochou, A., Topouzis, S., **Mikelis, C.M.**, Nikolaropoulos, S., Fousteris, M. New 20-Aminopregnenolone Derivatives with Potential Antiproliferative Activity. 20th Hellenic Symposium on Medicinal Chemistry, 2025 April 3-5, Ioannina, Greece.
96. Katsi, A., Chroni, A., Sivvas, G., Gioni, S-L., Plevriti, A., Pyriochou, A., **Mikelis, C.M.**, Nikolaropoulos, S., Fousteris, M. New Artemisinin-3 β -Aminocholic Acid Hybrids with Potential Activity Against Prostate Cancer. 20th Hellenic Symposium on Medicinal Chemistry, 2025 April 3-5, Ioannina, Greece.
97. Plevriti, A., Giannakopoulou, M., Sajib, M.S., Lamprou, M., Mourkogianni, E., Sivvas, G., Liolis, E., **Mikelis, C.M.** Study on the role of the soluble CD163 (sCD163) on endothelial physiology. 2026 National Conference of the Hellenic Society of Physiology, March 12-14, Larissa, Greece.

D. Relevant Platform Presentations

1. Invited Speaker: University of Dresden, Germany. "Seminar title: Vascular permeability in Histamine-induced inflammatory diseases: the role of endothelial RhoA." August 8th 2013.
2. Invited Speaker: School of Pharmacy, Texas Tech University, Texas, USA. Seminar title: "The Role of vascular permeability in histamine-induced inflammatory diseases." February 11th 2014.
3. Invited Speaker: University of Nottingham, UK. Seminar title: "Endothelial permeability in inflammatory conditions: the role of RhoA." May 16th 2014.
4. Invited Speaker: Wilmer Eye Institute, Johns Hopkins University, USA. Seminar title: "The role of vascular permeability in histamine-induced inflammatory conditions." July 9th 2014.
5. Invited Speaker: 12th Annual International Innate Immunity Conference, Chania, Crete, Greece. Seminar title: "RhoA and ROCK mediate histamine-induced vascular leakage and anaphylactic shock." June 22nd 2015.

6. Invited Speaker: School of Pharmacy, University of Patras, Greece. Seminar title: "Endothelial RhoA mediates histamine-induced inflammatory conditions, by controlling vascular leakiness." June 30th 2015.
7. Invited Speaker: Immunotherapeutics and Biotechnology Department, School of Pharmacy, Texas Tech Health Sciences Center, Abilene, Texas, USA. Seminar title: "The Rho-le of vascular permeability in histamine-induced inflammatory diseases." October 16th 2015.
8. Invited Speaker: Department of Pharmaceutical Sciences, Bouve College of Health Sciences, Northeastern University, Boston, Massachusetts, USA. Seminar title: "The role of vascular permeability in cancer and non-cancer-related inflammatory diseases." March 24th 2016.
9. Invited Speaker: Amarillo Research Days organized by the School of Pharmacy, TTUHSC, Amarillo, USA. Seminar title: "Role of vascular permeability in inflammatory diseases: The role of small GTPase RhoA." June 2nd 2016.
10. Invited Speaker: 14th Annual International Innate Immunity Conference, Crete, Greece. Seminar title: "Endothelial RhoA mediates trans-endothelial cancer cell migration and metastasis." June 22nd 2017.
11. Invited Speaker: Amarillo Research Days organized by the School of Pharmacy, TTUHSC, Amarillo, USA. Seminar title: "Role of vascular permeability in inflammatory diseases: The role of small GTPase RhoA." June 13th 2018.
12. Invited Speaker: Biomedical Research Foundation Academy of Athens (BRFAA), Athens, Greece. Seminar title: "The Rho-le of a small GTPase in vascular physiology." September 30th 2019.
13. Invited Speaker: Oklahoma Medical Research Foundation (OMRF), Oklahoma City, Oklahoma, OK, USA. Seminar title: "The Rho-le of small GTPases in vascular physiology." November 19th 2019.
14. Invited Speaker: 2nd International Conference on Cell and Experimental Biology, Houston, TX, USA. Talk title: "The impact of endothelial RhoA on tumor cell transmigration and metastasis." July 13th 2021.
15. Invited Speaker: Department of Pharmacology, University of California San Diego, CA, USA. Seminar title: "In sickness and in health: the role of RhoA in vascular physiology." February 28th 2022.
16. Invited Speaker: Drug Discovery and Development 2022 conference. Seminar title: "Angiopoietin-2-induced lymphatic endothelial cell migration drives lymphangiogenesis via the β 1 integrin-RhoA-formin axis." March 3rd-4th 2022.
17. Invited Speaker: School of Medicine, University of Sao Paulo, Brazil. Seminar title: "Old guys new tricks: novel roles of an established small GTPase in angiogenesis and lymphangiogenesis." April 14th 2022.
18. Invited Speaker: TC3R Seminar Series, School of Veterinary Medicine, Texas Tech University. Seminar title: "Angiogenesis Revisited: New Roles of Endothelial Small GTPases." June 24th 2022.
19. Invited Speaker: Fall Semester Seminar Series, Department of Medical Physiology, Texas A&M University. Seminar title: "New angiogenesis mediators: The Rho-le of a small GTPase in vascular biology." November 19th 2022.
20. Invited Speaker: 4th Annual Conference of the Hellenic Pharmacy Student Association. Seminar title: "'At the road of silk": experiences of a scientific/academic career." May 12th 2023.
21. Invited Speaker: 9th Panhellenic Conference of Applied Pharmaceutics, Thessaloniki, Greece. Seminar title: "Targeting of vascular small GTPases for anti-cancer and anti-metastatic treatment." May 13-14th 2023.
22. Invited Speaker: Lymphatic Forum 2023, Banff, Canada. Seminar title: "Growth factor-small GTPase interplay for lymphangiogenesis regulation." June 13-17th, 2023.

23. Invited Speaker: 2023 iGEM Meeting “Cracking the codes in cancer treatment”, Patras, Greece. Seminar Title: “Targeting the endothelium via synthetic biology approaches”. October 2nd, 2023.
24. Invited Speaker: 2023 Oral Squamous Cell Carcinoma Symposium in China, Thailand and Malaysia & The Belt and Road Oral Medicine Frontier Conference. Zhejiang University, Hangzhou, China. Seminar Title: “The Rho-le of a small GTPase in vascular biology”. October 22-26th, 2023.
25. Invited Speaker: 2023 Scientific Conference of the Department of Physical Therapy, School of Health Sciences, University of Peloponnese, Sparta, Greece. Seminar Title: “From basic science to clinical practice: New technologies for tumor targeting”. November 23-24th, 2023.
26. Invited Speaker: 2024 International Forum on Medicinal Chemistry, Drug Discovery & Drug Delivery, Florence, Italy. Seminar title: “Nanodelivery-Based Targeting of Angiogenesis”. March 07-09, 2024.
27. Invited Speaker: 2nd International Conference on Pharmaceutics and Novel Delivery Systems (online). Seminar title: “Modulating a small GTPase pathway in the endothelium via targeted nanodelivery”. October 24-25, 2024.
28. Invited Speaker: International Conference on Biological Drugs and Vaccine Industry, Hail, Saudi Arabia. Seminar Title: “Anti-angiogenesis biologics for cancer treatment”. February 26-27, 2025.
29. Invited Speaker: 5th Conference of the Hellenic Pharmacy Student Association. Seminar title: “A road less travelled: experiences of a scientific/academic career.” April 11-13th 2025.
30. Invited Speaker: 2025 International Conference on Cancer Science and Research, Singapore and Virtual. Seminar title: “The regulatory role of endothelial RhoA on tumor microenvironment”. November 18th 2025.
31. Invited Speaker: 2026 iGEM Medicine Meeting, Department of Biology, Patras, Greece. Seminar Title: “Endothelial targeting via synthetic biology approaches”. February 25th 2026.
32. Invited Speaker: World Summit on Material Science and Nanotechnology (WSMSN-2026), Virtual. Seminar title: “Angiogenesis blockade via endothelial-targeting nanodelivery approaches”. March 26th 2026.
33. Invited Speaker: 12th Conference of Applied Pharmaceutics, Thessaloniki, Greece. Seminar title: “Anti-angiogenic therapies: Mechanisms, problems and potential”. March 28-29th 2026.

Organizing Committee Member of Scientific Conferences

1. 2026 National Conference of the Hellenic Society of Physiology, March 12-14 2026, Larissa, Thessaly, Greece.

E. Research Support

Ongoing Research Support

Hellenic Society of Medical Oncology (Mikelis, Co-PI) 2024-2026

Total cost: €2.000

Role: Co-PI (Co-PI: Dr. Elias Liolis)

FARAN S.A. Award #83966 (Mikelis, PI) 2025-2026

Total cost: €2.500

Role: PI

Completed Research Support

CANCER PREVENTION AND RESEARCH INSTITUTE OF TEXAS (CPRIT) CORE FACILITY SUPPORT AWARD RP200572 (Mikelis Co-I) 08/31/2020 – 08/30/2025

Title: From Whole-Animal Imaging to Superresolution Microscopy: An Imaging Core for the TTUHSC Campus at Amarillo

Total cost: \$2,831,213

Role: Co-I (PI: Dr. Ulrich Bickel)

Hellenic Foundation for Research & Innovation (HFRI) Grant #376 (Mikelis, PI) 2021-2024

Title: Role of endothelial RhoA in cancer metastasis

Total cost: €180,000

Role: PI

MEDIKOS Award #81755 (Mikelis, PI) 2021-2023

Total cost: €4,500

Role: PI

R15, NCI, NIH R15CA231339 (Mikelis, Co-PI) 07/01/2018 – 06/30/2021 (no-cost extension)

Title: Novel class of chemotherapeutic agents for treatment of metastatic Triple-negative breast cancer.

Total cost: \$458,847

Role: Co-PI (with Dr. German)

Push-to-NIH TTUHSC Seed Grant 2018 (Mikelis, PI) 12/1/2018 – 11/30/2020

Title: Role of endothelial RhoA on angiogenesis.

Total cost: \$75,000

Role: PI

Department of Pharmaceutical Sciences Research Enhancement Program 2020 (Mikelis, PI) 04/01/2020 – 03/31/2021

Title: Compensatory mechanisms upon endothelial RhoA inhibition: the role of RhoB

Total cost: \$10,000

Role: PI

Basic Research Seed Grant 2016 (Mikelis, PI) 08/01/16 – 07/31/17

Office of Sciences, School of Pharmacy, Texas Tech University Health Sciences Center

Title: Blocking cancer cell trans-endothelial migration to prevent metastasis: role of known mediators and identification of new ones.

Goal: This seed grant provided funding to gather pilot data for the role of small GTPase RhoA on cancer cell trans-endothelial migration.

Role: PI

The Laura W. Bush institute for Women's Health Seed Grant (Mikelis, Co-PI) 04/15/17 – 04/14/18

Title: The role of the exosome pathway in facilitating lung metastases in a mouse model of LAM

Goal: Screening for identification of exosome-induced targets in the lung in a newly-developed in vivo LAM model.

Amount: \$25,000

Role: Co-PI (with Dr. Karbowiczek)

TTUHSC Start-up funds (Mikelis, PI) 11/01/14 – 10/31/17

School of Pharmacy, Texas Tech University Health Sciences Center

Goal: There were funds provided by TTUHSC SOP to support establishment of the Mikelis Laboratory and generation of experimental data for grant proposals.

Role: PI

F. School Service

Faculty Committees (Texas Tech University Health Sciences Center)

1. Graduate Program Committee (Member) (2015-2017)
2. Continuous Education Committee (Member) (2015-2016)
3. Faculty Search Committee for a Tenure-Track faculty position in the Department of Biomedical Sciences (Member) (2015-2016)
4. Principles of Disease Curricular Renewal Ad-hoc Committee (Chair) (2016-2017)
5. Research Advisory Committee (Member) (2016-2017)
6. Student Admissions Committee (Member) (2017-2021)
7. Faculty Search Committee for a Tenure-Track faculty position in the Department of Biomedical Sciences (Member) (2017)
8. Faculty Search Committee for a non-Tenure-Track Teaching position in the Department of Biomedical Sciences (Member) (2018)
9. Student Admissions Committee (Chair) (2021)

Faculty Committees (University of Patras)

1. Committee for Building Functionality and Safety (Departmental Committee) (Member) (2021-present)
2. Committee for Courses Evaluation (Departmental Committee) (Member) (2023-present)
3. Committee for the Study of the National System for the Support of Research and Innovation (University Committee) (Member) (2024-present)

Teaching Activity

Texas Tech University Health Sciences Center

PharmD Program:

- Facilitator in Case Studies of 2nd year PharmD students (PHAR 3361) (2015-2018).
- Clinical Research and Literature Evaluation (PHAR 2210), 2nd year PharmD students (2015-2021).
- Principles of Disease (Teaching Team Leader) (PHAR 1233), 1st year PharmD students (2016-2021).
- Clinical Correlations 2 (PHAR 1251), 1st year PharmD students (2019-2021).

Graduate Program:

- Cancer Biology and Therapeutics Course (GPSC 5326), Graduate School of Biomedical Sciences (2014 - 2021).
- Experimental Design and Biostatistics (Teaching Team Leader) (GPSC 5230), Graduate School of Biomedical Sciences (2016-2021).
- Advanced Principles of Disease Graduate Course (GPSC 5356), Graduate School of Biomedical Sciences (2017-2021).
- Advanced Course in Vascular Biology (Teaching Team Leader), Graduate School of Biomedical Sciences (2018-2021).
- Pharmacogenomics and Nanomedicine Graduate Program of Aristotle University of Thessaloniki, Greece (2020-2021).

University of Patras

PharmD Program:

- Physiology I (PHA-A25-NEW) (2021-present) (sole instructor)
- Physiology II (PHA-B14-NEW) (2021-present) (sole instructor)
- Responsible faculty for Morphology of Human Body Course (PHA-A23-NEW)

Graduate Programs of the University of Patras

- Preclinical and Clinical Drug Assessment (DPHA_4) (2021-present)
- Molecular Targets of Drug Activity (DPHA_C01) (2021-present)
- Applied Biotechnology and Bioinformatics (DPHA_C02) (2021-present)
- Therapeutic Precision Approaches (DPHA_C03) (2021-present)
- Experimental animal models (Department of Medicine) (BMS_1.7.1) (2022-present)
- Personalized Medicine (Department of Medicine) (EI 101 MOLECULAR BIOLOGY; MED1494) (2022-present)

Graduate Programs of the Aristotle University of Thessaloniki

- Pharmacogenomics and Nanomedicine Graduate Program (Department of Pharmacy) (2020-present).

Graduate Programs of the National and Kapodistrian University of Athens

- Molecular and Applied Physiology (Department of Medicine) (2023-present)
- Disease Models in Biomedical Research (Department of Medicine) (2024-present)

Student Advisory Committees

Supervisor of PhD Candidates (TTUHSC and U Patras)

1. Mr. Sanaullah Sajib (2015-2020) Successfully defended his PhD on 6/8/2020.
2. Ms. Fatema Tuz-Zahra (2016-2021) Successfully defended her PhD on 5/6/2021.
3. Ms. Racheal Grace Akwii (2019-2022) Successfully defended her PhD on 05/27/2022.
4. Ms. Behnaz Lahooti (2020-2022) Successfully defended her PhD on 07/22/2022.
5. Mr. Hanumantha Rao Madala (2016, graduate student rotation)
6. Mr. Andrew Baez (2017, graduate student rotation)
7. Ms. Andriana Plevriti (2023-present)
8. Mr. Georgios Sivvas (2025-present)

Supervisor of MSc Candidates (TTUHSC and U Patras)

- Ms. Racheal Akwii (2018-2019)
- Ms. Maria Giannakopoulou (2023-2025)

Supervisor of ABRI Interns

1. Mr. Christopher Cobos, West Texas A&M University (2015)
2. Mr. Suyash Srivastava, UT Austin (2017)

Supervisor of PharmD students (TTUHSC)

1. Mr. Christian Tulio (2017)
2. Ms. Myla Bhakta (2017)
3. Ms. Katelyn Gibson (2018-2019)

Supervisor of Dissertation of PharmD Students (U. Patras)

1. Ms. Konstantina Galiatsatou (2022-2023)
2. Ms. Andriana Plevriti (2022-2023)
3. Mr. Nikolaos Skoulas (2022-2023)
4. Mr. Stamatis Tsantos (2023-2024)
5. Mr. Spyridon Artemis (2023-2024)
6. Ms. Sofia Lemonia Gioni (2023-)
7. Ms. Garyfalia Konidi (2023-2024)
8. Ms. Konstantina Kyprou (2023-2024)
9. Mr. Giorgos Sivvas (2024-2025)
10. Ms. Margarita Kondyli (2024-2025)
11. Ms. Marina Nikoletta (Amaryllis) Fronimou (2024-2025)
12. Ms. Ksanthipi-Ksanthi Adam (2024-2025)

13. Ms. Aikaterini Mavrogenou (2024-2025)
14. Ms. Dimitra Spiliotopoulou (2024-2025)
15. Ms. Semeli Tsiata (2024-2025)
16. Mr. Vassilis Kazakos (2025-)
17. Ms. Isidora Liepouri (2025-)
18. Ms. Elena Chondrogianni (2025-)
19. Ms. Aikaterini Chatziantoniou (2025-)
20. Ms. Afroditi Triantafyllou (2025-)
21. Ms. Malvina Demetriou (2025-)
22. Mr. Vaggelis Kanellopoulos-Kotsonis (2025-)

Chair of Oral Qualifying Committees (TTUHSC)

1. Mr. Faleh Alqahtani (Supervisor: Dr. Ulrich Bickel; 2016)
2. Mrs. Srinidhi Jayaraman (Supervisor: Dr. Vardan Karamyan; 2016)
3. Mr. Ahmed Alobaida (Supervisor: Dr. Fakhru Ahsan; 2017)
4. Mr. Ali Sifat (Supervisor: Dr. Thomas Abbruscato; 2017)

Member in Graduate Committees of PhD Candidates

1. Mr. Ismail Walbi (Supervisor: Dr. Xinli Liu), transferred to University of Houston
2. Mr. Alali Amer (Supervisor: Dr. Xinli Liu), transferred to University of Houston
3. Mr. Sushanta Sarkar (Supervisor: Dr. Ruiwen Zhang), quitted from GSBS
4. Mr. Ronak Patel (Supervisor: Dr. Abraham Al-Ahmad), graduated 10.2018
5. Mr. Hanumantha Rao Madala (Supervisor: Dr. Kalkunte Srivenugopal), graduated 3.2018
6. Mr. Mostofa A.M.G. (Supervisor: Dr. Kalkunte Srivenugopal), graduated 8.2017
7. Ms. Laxmi Iyer (Supervisor: Dr. Thomas Thekkumkara), graduated 10.2018
8. Ms. Nehal Gupta (Supervisor: Dr. Sanjay Srivastava), graduated 3.2019
9. Ms. Efrosyni Holeva (University of Patras, Greece; Supervisor: Dr. Evangelia Papadimitriou), graduated 10.2023
10. Ms. Despoina Denekou (University of Patras, Greece; Supervisor: Dr. Evangelia Papadimitriou), graduated 10.2023
11. Ms. Jee Hyun Park (Supervisor: Dr. Ulrich Bickel), graduated 3.2017
12. Mr. Sreedhar Reddy Suthe (Supervisor: Dr. Ming-Hai Wang), graduated 10.2019
13. Mr. Anwar Hossain (Supervisor: Dr. Nadezhda German), graduated 10.2019
14. Mr. Sharavan Ramachandran (Supervisor: Dr. Sanjay Srivastava), graduated 10.2020
15. Mr. Ahmed Morsy (Supervisor: Dr. Paul Trippier), quitted from GSBS
16. Mrs. Snehal Raut (Supervisor: Dr. Abraham Al-Ahmad), graduated 9.2020
17. Ms. Daniela Rolph (Supervisor: Dr. Hiranmoy Das), graduated 9.2021
18. Mr. Carl (Joey) Greene (Supervisor: Dr. Hiranmoy Das)
19. Mr. Behnam Noorani (Supervisor: Dr. Ulrich Bickel), graduated 5.2021
20. Ms. Iti Kaushik (Supervisor: Dr. Sanjay Srivastava), graduated 9.2021
21. Mr. Ali Keshavarz (Supervisor: Dr. Fakhru Ahsan), graduated 3.2020
22. Mr. Hossam Abdelrahman (Supervisor: Dr. Fakhru Ahsan), graduated 4.2021
23. Ms. Farzane Sivandzade (Supervisor: Dr. Luca Cucullo), quitted from GSBS
24. Mr. Aditya Bhalerao (Supervisor: Dr. Luca Cucullo), quitted from GSBS
25. Mr. Sounak Bagchi (Supervisor: Dr. Rahul Jayant, then Dr. Vardan Karamyan), graduated 9.2023
26. Ms. Rachel Hudson (Supervisor: Dr. Ming-Hai Wang), graduated 10.2021
27. Ms. Shiva Hadi Esfahani (Supervisor: Dr. Vardan Karamyan), graduated 6.2022
28. Ms. Magda Christopoulou (University of Patras, Greece; Supervisor: Dr. Evangelia Papadimitriou), quitted from the graduate program
29. Ms. Ahn Yeseul (Supervisor: Dr. Ulrich Bickel), graduated 3.2024
30. Ms. Tanya Chhibber (Supervisor: Dr. Rahul Jayant), quitted from GSBS
31. Ms. Beth Daugherty (Supervisor: Dr. Magdalena Karbowiczek, then Dr. Devin Lowe), graduated 3.2026
32. Ms. Sadisna Shahi (Supervisor: Dr. Nadezhda German), graduated 3.2024
33. Mr. Trevor Anderson (Supervisor: Dr. Devin Lowe), graduated 10.2023
34. Ms. Iqra Pervaiz (Supervisor: Dr. Abraham Al-Ahmad), graduated 10.2023
35. Mr. Sreyas Gaikwad (Supervisor: Dr. Sanjay Srivastava), graduated 6.2024

36. Ms. Marina Anastasiou (Supervisors: Dr. George Bertias, University of Crete and Dr. Pilar Alcaide, Tufts University), graduated 6.2021
37. Mr. MD Sariful Islam Howlander (Supervisor: Dr. Das)
38. Ms. Eftychia Aggelaki (University of Patras, Greece; Supervisor: Dr. Georgios Spyroulias)
39. Ms. Pinelopi Kastana (U. Patras, Greece; Supervisor: Dr. Evangelia Papadimitriou), graduated 6.2023
40. Ms. Eleni Mourkogianni (U. Patras, Greece; Supervisor: Dr. Evangelia Papadimitriou), graduated 10.2023
41. Ms. Athina Mitropoulou (U. Patras, Greece; Supervisor: Dr. Dimosthenis Mavrilas), graduated 11.2024
42. Ms. Erica Floris (Sapienza U. Rome, Italy; Supervisor: Dr. Isotta Chimenti), evaluated 11.2024 and graduated 1.2025
43. Mr. Athanasios Ksanthopoulos (U. Patras, Greece; Supervisor: Dr. Vassilis Roukos)
44. Mr. Elias Liolis (U. Patras, Greece; Supervisor: Dr. Angelos Koutras), graduated 4.2025
45. Ms. Maria Mougkogianni (U. Patras, Greece; Supervisor: Dr. Stavros Taraviras)
46. Ms. Aikaterini Athanasopoulou (Hellenic Open University; Supervisor: Dr. Argyro Sgourou), graduated 10.2025
47. Ms. Anna Tsironi (U. Patras; Supervisor: Dr. George Patrinos), graduated 12.2025

Member in Graduate Committees of MSc Candidates (TTUHSC and U Patras)

1. Ms. Despoina Ntenekou (U. Patras, Greece; Supervisor: Dr. Evangelia Papadimitriou), graduated 6.2017
2. Ms. Pinelopi Kastana (U. Patras, Greece; Supervisor: Dr. Evangelia Papadimitriou), graduated 9.2017
3. Ms. Kinzie Sherrill (Supervisor: Dr. Abraham Al-Ahmad), graduated 3.2019
4. Ms. Nausheen Syera (Supervisor: Dr. Vardan Karamyan), graduated 6.2019
5. Ms. Spyridoula Mparmpousi (U. Patras, Greece; Supervisor: Dr. Evangelia Papadimitriou), graduated 9.2020
6. Ms. Pooja Sree Varahachalam (Supervisor: Dr. Rahul Jayant), quitted from GSBS
7. Mr. Chanakya Patel (Supervisor: Dr. Ulrich Bickel), graduated 5.2021
8. Ms. Vasiliki Kanellopoulou (Supervisor: Dr. Evangelia Papadimitriou), graduated 12.2023
9. Ms. Anastasia Panayi (Supervisor: Dr. Vasileios Roukos), graduated 12.2024
10. Ms. Dimitriana Chatzichristou (Supervisor: Dr. Vasileios Roukos), graduated 12.2024
11. Mr. Athanasios Xanthopoulos (Supervisor: Dr. Evangelia Papadimitriou), graduated 2.2024
12. Ms. Lydia Menounou (Supervisor: Dr. Evangelia Papadimitriou), graduated 5.2025
13. Ms. Argyro Chroni (Supervisor: Dr. Manolis Foustieris), graduated 7.2025
14. Ms. Amalia Stavridou (Supervisor: Dr. Vasileios Roukos), graduated 6.2025
15. Ms. Maria Toptsi (Supervisor: Dr. Vasileios Roukos), graduated 6.2025
16. Ms. Iliana Rodrigues-Christodoulidi (Supervisor: Dr. Georgios Spyroulias)
17. Ms. Amalia Stavridou (Supervisor: Dr. Vasileios Roukos), graduated 10.2025

Member in Dissertation Committees of PharmD Students (U. Patras)

1. Ms. Ioanna Aggelatou (Supervisor: Dr. Georgios Spyroulias) (2021-2022)
2. Ms. Ioanna Hatzikyriakou (Supervisor: Dr. Georgios Spyroulias) (2021-2022)
3. Ms. Louisa Stefanou (Supervisor: Dr. Gregory Sivolapekno) (2021-2022)
4. Ms. Konstantina Karli (Supervisor: Dr. Evangelia Papadimitriou) (2022-2023)
5. Ms. Maria Eleni Tsimpani (Supervisor: Dr. Evangelia Papadimitriou) (2022-2023)
6. Ms. Paraskevi Ioanna Kyrgiridi (Supervisor: Dr. Stavros Topouzis) (2022-2023)
7. Ms. Maria Galli (Supervisor: Dr. Gregory Sivolapenko) (2023-2024)
8. Ms. Christina Kalogirou (Supervisor: Dr. Stavros Topouzis) (2023-2024)
9. Mr. Pavlos Dogkalis (Supervisor: Dr. Evangelia Papadimitriou) (2023-2024)
10. Mr. Nikitas Liolitsas (Supervisor: Dr. Evangelia Papadimitriou) (2023-2024)
11. Ms. Panagiota-Alkmini Mantzou (Supervisor: Dr. Evangelia Papadimitriou) (2024-2025)

PhDs generated in Mikelis' lab

- **Md Sanullah Sajib** (2015 - 2020); supported by TTUHSC, Graduate School of Biomedical Sciences
- **Fatema Tuz Zahra** (2016 - 2021); supported by TTUHSC, Graduate School of Biomedical Sciences
- **Racheal G. Akwii** (2019 - 2022); supported by TTUHSC, Graduate School of Biomedical Sciences

- **Behnaz Lahooti** (2020 - 2022); supported by TTUHSC, Graduate School of Biomedical Sciences
- **Andriana Plevriti** (2023 - present); supported by HFRI and Andreas Mentzelopoulos Foundation, Graduate Program of the Department of Pharmacy, University of Patras
- **Georgios Sivvas** (2025 - present); Graduate Program of the Department of Pharmacy, University of Patras

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