LOGOTHETIS D.E. CURRICULUM VITAE
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CURRICULUM VITAE

PERSONAL INFORMATION

Name	Diomedes E. Logothetis
Title	Professor of Pharmaceutical Sciences, School of Pharmacy **Institution**
Name	Bouvé College of Health Sciences, Northeastern University (NEU)
Business Address	Department of Pharmaceutical Sciences 360 Huntington Avenue ISEC building, Electrophysiology Lab (460-479), Office (428)
City, State, Zip	Boston, MA 02115
Business Phone	(617) 373-7937
Business Email	d.logothetis@northeastern.edu

PROFESSIONAL SUMMARY

RESEARCH INTERESTS

- Phosphoinositide signaling to ion channels and membrane proteins
- Heteromeric G protein coupled receptor (GPCR) signaling in health and disease
- Mechanisms of action of small molecule ligands on ion channels and GPCRs
- Small molecule discovery: from research probes & dignostics to combating human disease

EDUCATION

Postgraduate

1989-1993	Research Associate, Howard Hughes Medical Institute, Department of Cardiology, Children's Hospital (Bernardo Nadal-Ginard)
1987-1989	Department of Cardiology, Children's Hospital, Boston, (Bernardo Nadal-Ginard) & Dept. of Cellular & Molecular Physiology, Harvard Medical School (HMS) (Peter Hess)

Graduate

1987	Ph.D., Harvard University (Physiology and Biophysics, Mentor: David Clapham)
1981	M.A., NEU (Psychology, Mentor: Michael Terman)

Undergraduate

1980	B.A., NEU (Physics)

ACADEMIC APPOINTMENT HISTORY

2024-present	**Ormylia Foundation, Chalkidiki, Greece** (unpaid position) Director of Biomedical Research
2017-present	**Northeastern University, Boston** Professor of Pharmaceutical Sciences, Bouvé College of Health Sciences (BCHS), NEU, Boston, MA.
2016-2017	Professor and Chair of Pharmaceutical Sciences, BCHS, NEU, Boston, MA.
2008-2016	**Virginia Commonwealth University (VCU) School of Medicine (SOM), Richmond, VA** Professor and John D. Bower Chair of Physiology and Biophysics
1993-2007	**Mount Sinai School of Medicine (MSSM), New York University (NYU/CUNY)**

2002-2007	Professor, Molecular Physiology and Biophysics/ Structural & Chemical Biology (NYU)
1997-2002	Associate Professor, Physiology and Biophysics, MSSM, City University of New York (CUNY)
1993-1997	Assistant Professor, Physiology and Biophysics, MSSM (CUNY)
1987-1993	**Harvard Medical School (HMS), Boston**
	Instructor, Cellular & Molecular Physiology

EMPLOYMENT HISTORY (Administrative Experience)

2016-present	**Northeastern University, Boston**
2024-present	Affiliate member, Bioengineering Dept., NEU, Boston, MA
2021-present	Affiliate member, Roux Institute, NEU, Portland, ME
2021-present	Member, Center for Drug Discovery, NEU, Boston, MA.
2019-present	Affiliate member, Chemistry & Chemical Biology Dept., NEU, Boston, MA.
2019-2022	Advisor of Graduate Students in Biomedical Sciences concentration
2017-2019	Director of Graduate & Undergraduate Programs in Pharmaceutical Sciences, BCHS, NEU, Boston, MA.
2016-2017	Chair of Pharmaceutical Sciences, BCHS, NEU, Boston, MA.
2008-2016	**Virginia Commonwealth University, School of Medicine**
	John D. Bower Chair of Physiology & Biophysics, VCU SOM, Richmond, VA.
2002-2007	**Mount Sinai School of Medicine**
2002-2006	Dean of Biological Sciences, MSSM, New York, NY
2003-2007	MD/PhD Director, MSSM, New York, NY
2002-2007	Vice Chairman, Dept. of Molecular Physiology and Biophysics/ Dept. of Structural and Chemical Biology, MSSM, New York, NY

AWARDS AND HONORS

2020	Excellence in Teaching Award, NEU
2014	Distinguished Mentor Award, VCU
2014	Honorary Professor, School of Medicine, U. of Crete in Heraklion, Greece 2008 Outstanding Mentor Award, MSSM
2005	Student Council Appreciation Award, MSSM
2002	Excellence in Teaching Award, 1st year grad students, MSSM 2001 Excellence in Teaching Award, 1st year grad students, MSSM
2000	Excellence in Teaching Award, 1st year grad students, MSSM
1992	Excellence in Teaching Award, 1st year Med. students, HMS, Class of 1986-
1987	Albert J. Ryan Fellow, Division of Medical Sciences, HMS
1980	Avrom Aaron Leve Award, Outstanding Psychology Student, NEU

MEMBERSHIP IN PROFESSIONAL SOCIETIES

2013-	American Society for Biochemistry & Molecular Biology
2012-	Society for Neuroscience
2008-2016	American Physiological Society
1995-2008	New York Academy of Sciences
1994-	American Association for the Advancement of Science
1986-	Biophysical Society

SCHOLARSHIP

FUNDING

GRANTS: ACTIVE (Total Active Direct Funds: $4,467,241)

1. Principal Investigator: Diomedes E. Logothetis
Active (6/1/20 – 5/31/28)
Project Number: R01HL59949 (Yrs. 27-30)
Source: NIH/NHLBI
Title of Project (and/or Subproject): Structural Determinants of PIP_2 Regulation
Total Award Amount (Direct Costs) / Percent Effort: $2,056,281; Effort: 15%
Total award: ~$3M
Major Goals: a) in Aim 1 to utilize state-of-the-art computational approaches to design drugs that target specific GIRK isoforms, and b) In Aim2a, to use these probes to find the balance between reversing Afib and maintaining HRV and In Aim 2b, to use them to decipher the involvement of GIRKs in platelet-mediated thrombosis.

2. Principal Investigator: Diomedes E. Logothetis; Co-PI: Stelios Smirnakis, BWH
Project Number: R01 NS131467-01 funded 2/21/2023 (02/2023-01/2028)
Source: NIH/NINDS
Title of Project: Dravet Syndrome (DS) anti-epileptic control by targeting GIRK channels
Total Award Amount (Direct Costs): $2,207,719; Effort 15%
Major Goals: a) Cannabidiol (CBD) and Fenfluramine (FA) stimulate GIRK channel activity via GPCR-mediated signaling; b) Anti-epileptiform activity in brain slices of epileptic mouse models; and c) Anti-epileptiform activity in mice and the brains of DS mouse models.

3. Co-Investigator: Diomedes E. Logothetis; PI: Irena Levitan, Ph.D.
Active (8/10/21 – 7/31/25)
Project Number: R01HL073965 (Yrs. 14-17)
Source: NIH/NHLBI
Title of Project (and/or Sub-project): Cholesterol Regulation of Endothelial K^+ Channels
Total Direct Costs / Percent Effort: Total DC: $449,112; NEU Sub: 24,429; Effort: 5.4%
Total direct costs (4 years): $97,716
There are two specific objectives proposed: (i) testing the prediction that increasing membrane cholesterol decreases Kir2.2-PIP_2 affinity (aim 1A.a); (ii) analysis of the impact of cholesterol on the contact probabilities between the critical residues involved in channel gating and/or other gating properties for the specific Kir2 mutants defined in the grant (aim 1A.b and aim 1B).

4. Principal Investigator: Diomedes E. Logothetis
Active: 6/15/2024 -6/14/2027
Project Number: G00008922
Source: Department of Defense (DoD)
Title of Project: Probing the role of Ion Channels as Mediators of Post-traumatic epileptogenesis: GIRK channel modulation as a roadmap to therapy
Total Direct Costs / Percent Effort: NEU Sub $105,525; Effort 5%
Total Award: $300,000
The NEU component of this project will test in Aim 3 the effects of anti-epileptic drugs in suppressing the emergence of epilepsy following TBI.

GRANTS: PENDING

ORMYLIA FOUNDATION

1. Principal Investigator: Diomedes E. Logothetis (1/1/2026-12/31/2030)

Host Institution: Ormylia Foundation
Project Number: ERC-Synergy 2025 was submitted on 11/6/24;
Source of Support: European Research Council
Total Award Amount requested (including Indirect Costs): € 1,500,000
Subcontracts: Northeastern University/OF (Logothetis), Max Planck Institute, Goettingen (Pardo); U of Florence (Arcangeli), NTUA/ICCS (Amditis)
Title: Ion Channel Theragnostics in Cancer
Major Goals: To set-up a High Performance Computing Facility at the grounds of the Ormylia Foundation (Amditis) and use AI for efficient screening of ligands through Molecular Dynamics simulations (Manolakos) that will allow the identification of small ligand diagnostics (Logothetis) and antibodies (Arcangeli) with high affinity and specificity to 4 ion channels that are deregulated in cancer and will be studied in this proposal: TMEM16A and TRPA1 (Logothetis); KV10.1 (or hEAG1) (Pardo) and hERG (or Kv11.1) (Arcangeli).

START-UP

2. Principal Investigator: Andrew Zorn; Co-PI1: Diomedes E. Logothetis; Co-PI2: Stelios Smirnakis

Project Number: A1 revision of proposal 1R41NS137900-01A1 submitted 9/5/2024
Source: NINDS/Small BusinessTechnology Transfer (STTR) Grant Application
Title of Project: Structure and Function of GIRK2 GEMMAs
Total Award Amount (including Indirect Costs): $ 699,480; NEU Sub: DC: $87,703
Major Award Goals: a) The subcontract to Northeastern University will mainly utilize the computational design of cpd 11a for higher affinity and specificity to GIRK1/2 over GIRK1/4. Much of this work will utilize computers at Amazon Web Services and GPU clusters purchased by GRIK Therapeutics; b) the BWH Sub will in vivo evaluate the therapeutic efficacy of the previously selected compounds in a mouse model of DS carrying mutations in the SCN1A gene; c) GRIK Therapeutics through CRO work will evaluate suitability of selective GIRK1/2 activators, safety and pharmacokinetics in rodents.

GRANTS: PAST (Overall past support: ~$19M)

NIH

R01HL59949 (Total Direct Funds: 8,522,441)

2020-2024	National Institutes of Health, National Heart, Lung and Blood Institute, R01HL59949-23 through year 26. Title: Structural determinants of PIP_2 Regulation. Direct overall funds: $2,992,513; Competitive Renewal Awarded (NEU)
2016-2020	National Institutes of Health, National Heart, Lung and Blood Institute, R01HL59949-19 through year 22. Title: Structural determinants of PIP_2 Regulation. Direct overall funds: $1,525,000; Competitive Renewal Awarded (VCU). Transferred after Year 1 (NEU)
2011-2016	National Institutes of Health, National Heart, Lung and Blood Institute, R01HL59949-14 through year 18. Title: Structural determinants of PIP_2 Regulation. Direct overall funds: $1,646,860; Competitive

Renewal Awarded. (VCU)

2007-2011 National Institutes of Health, National Heart, Lung and Blood Institute, R01HL59949-10 through year 13. Title: Structural determinants of PIP2 Regulation. Direct overall funds: $900,000; Competitive Renewal Awarded. MSSM/VCU)

2001-2006 National Institutes of Health, National Heart, Lung and Blood Institute, R01HL59949-05 through year 09. Title: Structural determinants of PIP2 Regulation. Direct overall funds: $800,000; Competitive Renewal Awarded. (MSSM)

1997-2001 National Institutes of Health, National Heart, Lung and Blood Institute, R01HL59949-01 through year 04. Title: Lipid Control of G Protein-Gated K^+ Channel Activity. Direct overall funds: $658,068. (MSSM)

Other NIH Funding (Total Direct Funds: 3,077,621)

R01HL090882

2009-2013 National Institutes of Health, National Heart, Lung and Blood Institute, R01HL090882-01 through year 04. Title: Modulation of Kir Channel Function by Phosphorylation. Direct overall funds: $1,153,038 Competitive Renewal in Preparation. (VCU)

R01HL54185

2001-2005 National Institutes of Health, NHLBI R01HL54185-06 through year 09. Title: Specificity of G$\beta\gamma$ Signaling. Direct overall funds: $801,937 (MSSM)

1996-2001 National Institutes of Health, National Heart, Lung and Blood Institute R01HL54185-01 through year 05. Title: Potassium Channel Modulation by G Protein Subunits. Direct overall funds: $848,255. (MSSM)

Transitional Award

1992-1996 National Institutes of Health Research FIRST Award (R29HL46383). Title: Structural Basis of Potassium Channel Function. Direct overall funds: $274,391. (Children's Hospital, Boston/MSSM)

NSF

Research grant (Total Direct Funds: 157,104)

1999-2002 National Science Foundation, IBN-9818053. Title: G$\beta\gamma$ sites for human brain recombinant potassium channels. Direct Overall Funds: $157,104. (MSSM)

Total Federal Research Support - Direct Funds: $11,757,166

Training Grant Total funds awarded: 5,648,263

2007-2012 National Institutes of Health, National Institute of General Medical Sciences (NIGMS), Title: Mount Sinai Medical Scientists Training Program. Direct overall funds: $1,013,791 (2007-2008); Years 2-5: $1,158,618/yr (7/1/08-6/30/12 was transferred to succeeding Program Director, Dr. Lisa Satlin). (MSSM)

Scientific Meeting Organization

2005 National Institutes of Health, NIEHS – Office of Rare Diseases, Title: FASEB Conference: Ion Channel Regulation. Direct overall funds: $25,000; Supplemented R13HL082354 and NSF 0509719 awards for 2005 FASEB Summer Research Conference (Snowmass, CO). (MSSM)

2005 National Institutes of Health, National Heart, Lung and Blood Institute, 1R13HL082354-01 Title: FASEB Conference: Ion Channel Regulation. Direct overall funds: $10,000; Supplemented ORD- NIEHS and NSF 0509719 awards for 2005 FASEB Summer Research Conference

(Snowmass, CO). (MSSM)

Collaborative Grants

2003-2006 Fogarty International Center, R03 TW006020. Title: Protein Kinase C-dependent inhibition of Kir channels. Direct Overall Funds: $96,000. (Dr. Hailin Zhang, Hebei Medical University, Shijiazhuang, China). (MSSM)

2000-2003 Fogarty International Center, R03 TW01240. Title: Identification of channel sites in Gbg subunits. Direct Overall Funds: $96,000. (Dr. Cheng He, Second Military Medical University, Shanghai, China). (MSSM)

Foundations

American Heart Association

2000-2004 American Heart Association – Established Investigator Award, 0040238N. Title: Specific residues involved in allosteric interactions of K^+ channel sites with G protein $\beta\gamma$ subunits and PIP2. Direct Overall Funds: $300,000. (MSSM)

1996-1999 American Heart Association, National Center, Grant-In-Aid. Title: Subunit Interactions of G Protein-Gated Potassium Channels. Direct overall funds: $120,000. (MSSM)

1994-1997 American Heart Association, New York Affiliate, Grant-In-Aid. Title: Identification of G-protein Subunits Involved in K^+ Channel Activation. Direct overall funds: $128,250. (MSSM)

Stavros Niarchos Foundation

2017 Greek Diaspora Fellowship Program funded by the Stavros Niarchos Foundation and administered by the Institute of International Education, Washington DC. Scholarship to cover expenses for spending July 2017 in the laboratory of Dr. Kyriaki Sidiropoulou at the University of Crete in Heraklion, Greece. Direct overall funds: $8,806.96

Life and Health Insurance

1995-1998 Life and Health Insurance Medical Research Fund. Title: G- protein Subunit Regulation of an ATP-Sensitive Potassium channel. Direct overall funds: $75,000. (MSSM)

Institutional Bridging Support

2005-2006 Mount Sinai School of Medicine - Bridge Funds for HL54185. Title: Distinct G Protein Signaling Pathways Regulate Potassium Channels (Competitive Continuation Proposal with NIH was not funded – A1 revision score: 163, 18.2 percentile; A2 revision score: 168, 22.7 percentile). Direct overall funds: $225,000. (MSSM)

Private Support

2000-2006 Mark Pruzansky, MD. Private donor contributing $5,000-10,000 annually in support of research programs. (MSSM)

RESEARCH ADVISOR / MENTOR

VISITING SCIENTISTS

2024 - Emmanouil Gkikas, Ph.D., Research Assistant Professor (NEU)

2016- (6 mo/yr) Elias Manolakos, Ph.D., Professor of Informatics and Telecommunications, University of Athens, Greece (NEU)

2017-2018	Domna Karagogeos, Ph.D., Professor of Molecular Biology/Developmental Neurobiology, University of Crete Medical School, Greece (NEU), Sabbatical semester (NEU)
2016- (1 mo/2 yrs)	Kyriaki Sidiropoulou, Ph.D., Assistant Professor, University of Crete, Department of Biology, 6-week visit (VCU), 4-week visit (NEU)
2012-2013	George Liapakis, Ph.D., Associate Professor of Pharmacology, University of Crete Medical School, Sabbatical year (VCU)
2011-2012	Linda Boland, Ph.D., Associate Professor and Chair of Biology, U. of Richmond, VA, Sabbatical semester (VCU)
2002-2003	Ray Ochs, Ph.D., Visiting Professor, St. John's U., Jamaica, New York, Sabbatical year (MSSM)
1995-1996	Michel Vivaudou, Ph.D., Visiting Professor, CEA, DBMS, Biophysique Moleculaire et Cellulaire, CNRS Grenoble, France, Sabbatical year (MSSM)

SCIENTISTS WITHIN LABORATORY

POST-DOCTORAL

Present Research Scientists

2008- 1. Meng Cui (PhD, 1999); Research Associate Professor, NEU
2022- 2. Kim W. Chan (PhD, 1993); Research Associate Professor, NEU
2013 - 3. Takeharu Kawano (PhD, 2000); Senior Res. Scientist, NEU
2023- 4. Ana Beatriz Santa Cruz Garcia (PhD, 2009); Res. Scientist, NEU
2022 - 5. Mehreen Zaka (PhD, 2020); Postdoctoral Fellow, Roux Institute, NEU
2024- 6. Nousheen Parvaiz (PhD 2024); Postdoctoral Fellow, Roux Institute, NEU
2024- 7. Evangelos Dadiotis (PhD 2024); Postdoctoral Fellow, NEU

Past Post-doctoral Fellows and Associates

2017-2019 8. Leigh Plant (PhD, 2003); currently: Assistant Professor, NEU
2016-2019 9. Yu Xu (PhD, 2012); currently: Assoc. Res. Scientist, Duke U
2008-2019 10. Edgar Leal-Pinto (MD, 1964); retired
2008-2018 11. Lia Baki (PhD,1997); currently: Res. Assist. Prof. Rutgers U
2017-2018 12. Maria Papakonstantinou (PhD, 2016), Industry in Greece
2008-2014 13. Qiongyao Tang (PhD, 2004); currently: Assoc. Prof., XuZhou, China
2012-2014 14. Miao Zhang (PhD, 2007); currently: Associate Prof., Chapman U, CA
2012-2013 15. Xuan-Yu Meng (PhD, 2012); currently: Scientist, Soochow U, China
2009-2013 16. Shobana Sundaram (PhD, 1994); currently: Computer Analyst
2008-2013 17. Zhe Zhang (PhD, 2002); currently: Jiangsu Specially Appointed Professor, Anesthesiology Department, XuZhou Medical University, XuZhou, China
2010-2011 18. Hailong An (PhD, 2005); currently: Professor School of Sciences, Hebei University of Technology, Tianjin, China
2009-2010 19. Wu (Cathy) Deng, MD (PhD, 2009); currently: Resident in anesthesiology, BU School of Medicine
2008-2010 20. Aldo Rodriguez-Menchaca (PhD, 2008); currently: Assoc. Professor at University of San Louis, Mexico
2007-2009 21. Radda Rusinova, (Ph.D, 2007); currently: Research Assistant Prof., Weill Medical College, Cornel University, New York, NY
2006-2008 22. Zhang, Yu-Yang (MD, 2004); currently: Medical Staff, University of Maryland St. Joseph Medical Center
2001-2008 23. Rosenhouse-Dantsker, Avia (PhD, 1991); currently: Research Assistant Professor, University of Illinois

2003-2007 24. Zhao, Qi (PhD, 2003); currently: Patent Attorney, Washington DC
2002-2006 25. Shen, Albert (PhD, 2000); currently: Statistician
2003-2006 26. Jin, Taihao (PhD, 2003); currently: Research Scientist, Abbott Diabetes Care Division, Alameda, CA.
2000-2004 27. Lopes, Coeli (PhD, 1996); currently: Variant Scientist, Quest Scientific
1999-2002 28. Peng, Luying (PhD, 1997); currently: Director of Genetics, Tongji University, Shanghai, China
1998-2005 29. Rohacs, Tibor (PhD, 1997); currently: Professor of Pharmacology, Physiology and Neuroscience, UMDNJ, Rutgers Univ., Newark, NJ
1998-2001 30. Yan, Xixin (MD, 1988); currently: Chief of Pulmonary Medicine, Shijiazhuang, China
1997-2004 31. Mirshahi, Tooraj (PhD, 1997); currently: Staff Scientist, Weis Research Ctr Geisinger Clinic, Danville, PA
1997-2001 32. Zhang, Hailin (PhD, 1995); currently: Professor and Chair of Pharmacology, Vice President, Hebei Medical University, Shijiazhuang, China
1997-1999 33. He, Cheng (PhD, 1995); currently: Professor and Chair of Neurobiology, Second Military Medical University, Shanghai, China
1997-2000 34. Kobrinsky, Evgeny (PhD, 1998); currently: Staff Scientist, NIH, Bethesda, MD
1997-2000 35. Petit-Jacques, Jerome (PhD, 1992); currently: Secondary Educator, NYC
1996-2001 36. Langan, Marie-Noelle (MD, 1984); currently: Clinical Electrophysiologist, Mount Sinai Hospital, New York, NY
1993-1997 37. Sui, Jin-Liang (MD/PhD, 1993);
2004-2007 currently: retired
1993-1996 38. Chan, Kim (PhD, 1993); currently: Research Associate Professor, Northeastern University
1992-1993 39. Gross, Gil (MD, 1985); currently: Associate Professor of Pediatrics, Hospital for Sick Children, Toronto, Canada

PRE-DOCTORAL STUDENTS

Present Pre-doctoral Students

2024- 1. Konstantina Sfrintzeri (NEU, PhD candidate)
2023- 2. Nihal Aly (NEU, PhD candidate)
2022- 3. James Pentikis (NEU, PhD candidate)
2022- 4. Nicole Rivera (NEU, PhD candidate)
2022- 5. Jahnavi Simhadri (NEU, PhD candidate)
2022- 6. Ziyue Meng (NEU, PhD candidate)
2021- 7. Mariyianna Vynichaki (U of Crete, PhD candidate)
2019- 8. Sachin Thigale (NEU, PhD candidate)
2019- 9. Andrew Zorn (NEU, PhD candidate)

Past Pre-doctoral Students

2019-2024 10. Ahmed Said (NEU, PhD; currently seeking a postdoctoral position)
2017-2023 11. Brenda Winn (NEU, PhD; currently Vortex, Inc.)
2019-2022 12. Lisa Fleischer (NEU, PhD; currently Start-up scientist)
2020-2022 13. Rokhand Arvan (NEU, PhD; currently Start-up scientist)
2017-2022 14. Dimitrios Gazgalis (NEU, PhD 2022), currently Postdoctoral fellow, Dana Farber Cancer Institute, Boston, MA
2017-2022 15. Lucas Cantwell (NEU, PhD 2022 – co-mentored with GA Thakur)

currently working in a medium size start-up in San Francisco

2018-2021 16. Kirin Gada (NEU, PhD 2021), currently: postdoctoral fellow, NEU, Plant lab

2014-2018 17. Guoqing Xiang (VCU PhD 2018), currently: Research Scientist in start-up in New York

2016-2018 18. Miao Huang (VCU PhD 2018), currently: postdoc at Columbia U.

2014-2018 19. Amr Ellaithy, MD (VCU PhD 2018), currently: Neurology Fellow, Massachusetts General Hospital, HMS and postdoc in Smirnakis lab

2012-2017 20. Junghoon Ha (MD/PhD Candidate); currently: Neurology Fellow, Stanford, CA

2011-2016 21. Candice Hatcher (PhD, 2016); currently: Staff Scientist (US Airforce, OH)

2011-2016 22. Jason Younkin (PhD, 2016); currently: Scientist Gonzalez-Maeso lab,VCU

2009-2013 23. Scott Adney (MD/PhD, 2015); currently: Assistant Professor (physician-scientist), Northwestern University, Chicago, IL.

2006-2012 24. Vasileios Petrou (PhD 2012); currently: Assistant Professor, New Jersey School of Medicine, Rutgers University, New Jersey, NJ

2008-2012 25. Rahul Mahajan (MD/PhD, 2014); currently: Assistant Professor at Brigham and Women's Hospital, HMS.

2007-2011 26. Miguel Fribourg (PhD, 2011), currently: Assistant Professor, MSSM, New York, NY

2004-2010 27. Lupyan, Dmitry (PhD 2010 / co-mentored with Dr. Roman Osman); currently: Shroedinger, Inc. MSSM, New York, NY

2002-2006 28. Keselman, Inna (MD/PhD, 2008); currently: Neurologist, UCLA, CA.

2001-2006 29. Angelopoulos, Spiros (PhD, 2006 / co-mentored with Dr. Roberto Sanchez); Diseased (2008)

2000-2006 30. Rusinova, Radda (PhD, 2006); currently: Res. Assistant Professor, Weill SOM, Cornell

2003-2005 31. Woolard-Pickens, Patrisha (PhD, 2005 / co-mentored after David Coleman relocated to McGill); currently: Pediatrician in Brooklyn NY and Mount Sinai School of Medicine, New York, NY

2000-2003 32. Craciun, Liviu, MD (PhD, 2004); currently: Neurologist, Florida

1999-2004 33. Michailidis, Ioannis (PhD, 2004); currently: Unknown

1999-2003 34. Jin, Taihao (PhD, 2003); currently: Research Scientist, Abbott Diabetes Care Division, Alameda, CA

1994-1997 35. Kozak, Julius Ashot (PhD, 1998); currently: Associate Professor, Wright University, OH

1990-1993 36. Welsh, David (MD/PhD, 1995); currently: Associate Professor, University of California, San Diego, CA

1990-1992 37. Kammen, Bamidele Fayemi (MD, 1994);currently: Radiologist, Oakland, CA

Laboratory Rotation PhD Students

NEU

2022 1. Evaggelos Dadiotis (PhD student, University of Athens, Magiatis Lab)

2022 2. Lida Vagiaki (PhD student, University of Crete, Sidiropoulou Lab)

2017 3. Brenda Winn (PhD student, Pharmaceutical Sciences, NEU)

VCU

2016 4. Miao Huang (PhD, Chemical Biology, Logothetis lab 2016-18,

VCU)

2016 5. Tyler Hendon (MS, Logothetis lab, 2016-2019, VCU)
2016 6. Nicole Ekanem (PhD student, VCU)
2015 7. Jefferson Overlin (MD/PhD student, VCU)
2014 8. Guoqing Xiang (PhD, Logothetis lab 2014-18, VCU)
2013 9. Amr Ellaithy (PhD, Logothetis lab 2013-17, VCU)
2013 10. Ryan Mischel (MD/PhD student, VCU)
2012 11. William Marks (PhD, Hauser lab, VCU)
2012 12. Leonid Reshko (MD/PhD student, VCU)
2012 13. Sarah Kim (MD/PhD student, VCU)
2011 14. Jason Younkin (PhD, Logothetis lab 2011-2016, VCU)
2011 15. Nick Russell (MD/PhD student, VCU)
2010 16. Candice Hatcher (PhD, Logothetis lab 2011-2016, VCU)
2009 17. Charles Anderson (PhD, Grider lab 2009-2011, VCU)
2009 18. Sayak Bhattacharya (PhD, Karnam lab 2010-2014, VCU)
2008 19. Scott Adney (MD/PhD, Logothetis lab 2009-2014, VCU)
2008 20. Rahul Mahajan (MD/PhD, Logothetis lab 2008-2013, VCU)

MSSM

2007 21. Jason Cook (MD/PhD, Ramirez lab 2009-, MSSM)
2007 22. Miguel Fribourg (PhD, Logothetis lab 2007-2011, MSSM)
2006 23. Vasileios Petrou (PhD, Logothetis lab 2006-2012, MSSM)
2006 24. Nikos Tzavaras (PhD, Blitzer lab 2006-2012, MSSM)
2004 25. David Carpenter (Tang lab 2005-2010, MSSM)
2004 26. Paul Rosenstiel (MD/PhD – M. Klotman lab 2005-2009, MSSM)
2004 27. Dmitry Lupyan (Logothetis/Osman lab, co-mentorship 2004-2010, MSSM)
2004 28. Elvera Baron (MD/PhD, Max lab 2004-08, MSSM)
2003 29. Ioana Carcea (PhD, Benson lab 2003-08, MSSM)
2003 30. Noura Abul-Husn (MD/PhD, Devi lab 2004-07, MSSM)
2003 31. Spiros Angelopoulos (PhD, Logothetis/Sanchez labs, co-mentorship 2001-07, MSSM)
2002 32. Inna Keselman (MD/PhD - Logothetis lab, MSSM)
2001 33. David Mintz (MD/PhD, Benson lab 2001-2005, MSSM)
2001 34. Radda Rusinova (PhD, Logothetis lab 2001-2006, MSSM)
2000 35. Karishma Manzoor (PhD, Zhou lab 199902004, MSSM)
1999 36. Maya Srinivas (Forest lab 1999-2005, MSSM)
1999 37. Liviu Craciun (PhD, Logothetis lab 1999-2003, MSSM)
1999 38. Geo Serban (PhD, Robakis lab 1999-2005, MSSM)
1999 39. Panayiotis Tsokas (Landau lab 1999-05, MSSM)
1998 40. Ioannis Michailidis (Logothetis lab 1999-04, MSSM)
1997 41. Kelley Yan (MD/PhD - Zhou lab 1999-04, MSSM)
1997 42. Cristian Perez (Margolskee lab 1998-03, MSSM)
1997 43. Elizabeth Buck (Iyengar lab 1997-01, MSSM)
1994 44. Smiljka Kitanovic (Sealfon lab 1995-99, MSSM)
1993 45. Ashot Kozak (Logothetis lab 1994-97, MSSM)

MASTERS STUDENTS

NEU

Present

2023- 1. Yongcheng Lu (Pharmaceutical Sciences, NEU)
2024- 2. Ganeshan Murugan (Bioinformatics, NEU)
2024- 3. Duc Phan (Pharmaceutical Sciences, NEU)
2024- 4. Kiran Deav Vivekanandan (Bioinformatics, NEU)

Past

2022-2024 5. Sepehr Mani (Biotechnology, NEU), currently PhD student at Johns Hopkins
2022-2023 6. Daniela Cozzi (Pharmaceutical Sciences, NEU), PhD student at Georgetown
2022-2023 7. Hemalakshita Thamiselvan (Biotechnology, NEU)
2022-2023 8. Xinyi Zhou (Pharmaceutical Sciences, NEU)
2022-2023 9. Shannon Sullivan (Pharmaceutical Sciences, NEU)
2021-2023 10. Huiyu Sui (Pharmaceutical Sciences, NEU)
2021-2022 11. Jahnavi Simhadri (Pharmaceutical Sciences, NEU), PhD student at NEU
2021-2022 12. Nicole Rivera (Pharmaceutical Sciences, NEU) , PhD student at NEU
2021-2022 13. Ziyue Meng (Pharmaceutical Sciences, NEU) , PhD student at NEU
2021-2022 14. Issaiah Burch (Biotechnology Program, NEU)
2021-2022 15. Tejas Parekh (Pharmaceutical Sciences, NEU)
2021-2022 16. Kairvi Sharma (Pharmaceutical Sciences, NEU)
2021-2022 17. Deepika Pamidi (Pharmaceutical Sciences, NEU)
2022 18. Alison Deng (Pharmaceutical Sciences, NEU)
2022 19. Jihui Che (Pharmaceutical Sciences, NEU)
2022 20. Zaid Alali (Pharmaceutical Sciences, NEU)
2022 21. Aishwarya Ganesh (Pharmaceutical Sciences, NEU)
2022 22. Samriddhi Chitkara (Pharmaceutical Sciences, NEU)
2022 23. Trevor D' Amico (Pharmaceutical Sciences, NEU)
2021 24. Nimit Shah (Pharmaceutical Sciences, NEU)
2021 25. Swati Tallavajhula (Pharmaceutical Sciences, NEU)
2021 26. Saloni Matta (Pharmaceutical Sciences, NEU)
2020 27. Tejaswini Dewasthale (Pharmaceutical Sciences, NEU)
2020 28. Mayur Gurnani (Pharmaceutical Sciences, NEU)
2020 29. Kajal Mehta (Pharmaceutical Sciences, NEU; currently: co-op)
2020 30. Niranjan Sawarkar (Pharmaceutical Sciences, NEU)
2020 31. Shreya Amarwani (Pharmaceutical Sciences, NEU; currently: co-op)
2020 32. Simran Padhye (Pharmaceutical Sciences, NEU; currently: co-op)
2020 33. Ruchita Nair (Pharmaceutical Sciences, NEU; currently: co-op)
2020-2021 34. Mariyianna Vynichaki (U of Crete, Greece; currently: PhD student)
2019-2020 35. Kruti Patel (Pharmaceutical Sciences, NEU; currently: co-op)
2018-2020 36. C. Jasmine Eptaminitaki (currently: Scientist, U. of Crete, Greece)
2019-2020 37. Mehek Ningoo (currently: PhD candidate, Mount Sinai, NY)
2018-2019 38. Amanda Udumma Ibe-Enwo (Biotechnology, NEU)
2018-2019 39. Ella Ngo Bilong Tamgue (Biotechnology, NEU)
2018-2019 40. Haozhou Tan (currently: PhD candidate, U of Arizona)
2019 41. Mina Abdolahi (Pharmaceutical Sciences, NEU; PhD applicant)
2019 42. Sneh Fomra (currently: co-op, PhD candidate)
2019 43. Keman Xu (currently:PhD candidate, Temple U)
2018-2019 44. Albert Steiner (currently: Scientist at Casma Therapeutics)
2018-2019 45. Ziyu Song (Pharmaceutical Sciences, NEU; PhD applicant)
2018-2019 46. Yifang Liu (currently: PhD candidate at Bioengineering at NEU)
2018-2019 47. Grace Mekiliuwa (Pharmaceutical Sciences, NEU)
2018-2019 48. Shanshan Li (Pharmaceutical Sciences, NEU)
2018-2019 49. Bohan Chen (currently: pursuing another MS at NEU)

2017-2018 50. Kshamita Subhedar (currently: working in India)
2017-2018 51. Yuchen Yang (currently: Postdoc at the NIH)

VCU

2016-2018 52. Tyler Hendon (Physiology and Biophysics, VCU)
2014-2015 53. Sneha Shah (currently: Medical Student, VA Polytechnic Institute)
2012-2013 54. Chulho Yang (currently: Medical School Candidate)
2010-2011 55. Gyu Park (currently: Endodontics Resident at NYU)
2008-2009 56. Junghoon Ha (currently: Neurology resident at VCU)

SUMMER VOLUNTEER / UNDERGRADUATE STUDENTS

NEU

Present:

2023- 1. Yukyoung (Ellie) Kim (PharmD)
2023- 2. Young Seo (Alice) Lee (PharmD)
2024- 3. Natalie Imamura (PharmD)
2024- 4. Xinyi Ma (PharmD)
2024- 5. Parthib Bhattacharya (BS in Pharmaceutical Sciences)
2024- 6. Lea Choe (BS in Biology)
2024- 7. Victor Luo (BS in Pharmaceutical Sciences)
2024- 8. Ricardo Manarron (BS in Health Sciences)
2024- 9. Nikhil Mukraj (BS in Computer Science and Behavioral Neuroscience)
2024- 10. Pragya Narahari (BS in Pharmaceutical Sciences)
2024- 11. Hannah Yoon (BS in Pharmaceutical Sciences)

Past:

2023-2024 12. Michael Efremov (BS in Biochemistry)
2022-2024 13. Michael Hrinda (BS in Pharmaceutical Sciences)
2022-2023 14. Megan Johnsen (BS in Pharmaceutical Sciences)
2021-2023 15. Duc Phan (BS in Pharmaceutical Sciences)
2022-2023 16. Forest Rodriguez (BS in Biology)
2023 17. Karen Bermudes (PharmD/Capstone)
2023 18. Mark DiFulvio (PharmD/Capstone)
2019-2022 19. James Pentikis (BS in Biology)
2018-2021 20. Aishwarya Shandrashekhar (BS in Pharm. Sciences)
2019-2020 21. Lily Felsenthal (BS in Chemistry, Honors)
2019 22. Polina Kamenskaya (BS in Physics)
2018-2020 23. Michelle Ban (PharmD)
2018-2020 24. Jodie Zheng (PharmD)
2018-2020 25. Johanna Rajotte (BS in Biochemistry; currently: co-op)
2017-2020 26. Austin Baggetta (currently: PhD candidate, Mount Sinai, NY)
2017-2019 27. Yakun Fu (PharmD)
2017-2018 28. Erin Lopez (BS in Behavioral Neuroscience)
2017-2019 29. Meghan Masotti (currently: PhD candidate, Northwestern U, Chicago)
2017-2018 30. Nicole McFarlane (BS in Health Sciences)
2017 31. Alison Miller (BS in Pharmaceutical Sciences)
2017 32. Sarah Williams (BS in Biochemistry)

VCU

2015-2016 33. Shiva-Siddha Rings (VCU, Biology/Philosophy student)
2015 34. Maria Ghawji (Medical student, Alfaisal Univ. SOM, Saudi Arabia)
2014-2015 35. Ashkhan Hojati (VCU, BME student)
2014 36. Danae Manolakou MD (U of Athens, Greece)
2014 37. Agisilaos Balatsoukas MD (U. of Athens, Greece)
2012-2014 38. Thaison Nguyen (technician)
2013 39. Maria Lambadaris (SURP, U of Toronto MD)
2013 40. Anas Abdulkarim Abudan (MD, Alfaisal Univ. SOM)

2013 41. Yaser Sami Al-Hamshari (MD, Cardiologist in Philadelphia)
2013 42. Katerina Spyridaki (PharmD/PhD, Greece - Pharmacist)
2013 43. Gifty Ross (High School Student)
2012 44. Eleftherios Koulierakis (University of Athens, Graduate Student)
2012 45. Zoya Khokar (MD, Eastern Virginia Medical Sch.)
2010 46. Luke Gergoudis (MD, VCU)
2010 47. Brittany Shaw (Mary Baldwin College, STEP-UP Program)
2010 48. Gyu Park (Endodontics Resident, NYU)
2010 49. Mohleen Kang (MD, VCU)
2009 50. Kunal Kapoor (VCU Undergrad,HHMI Summer Program)
2009 51. Alexandra Hayes (William and Mary, Senior)
2009 52. Adishesh Narahari (MD/PhD student at UVa)

MSSM

2009 53. Kiara Williams (MSIP Summer Intern Program) MSSM
2007 54. Stanimir Rachev (Columbia University, SURP)
2007 55. Edith Schussler (MD, MSSM)
2007 56. Jacqueline Trogan (New York University, Premedical student)
2006 57. Necrisha Roach (MD, Resident)
2005 58. Jason Cook (MD/PhD, MSSM)
2005 59. Kirstine Calloe (Scientist, University of Copenhagen, Panum Institute, Denmark)
2004 60. Victor Lukacs (Faculty at U of Leeds, UK)
2004-05 61. Ajay Prakash (Columbia University; SURP – MD/PhD student University of Pennsylvania)
2003 62. Katie Crawford (Summer before freshman year to Swathmore College)
2002 63. Marlene Moskowitz (Cornell U, Ithaca ; SURP)
2002 64. Jianhong Li (Postdoctoral trainee, Second Medical Military University, Shanghai, China)
2002 65. Zoltan Molnar (MD/PhD student at Semmelweis University, Budapest, Hungary)
2002 66. Matthew Hopperstad (Psychiatry Resident, Mount Sinai School of Medicine)
2000 67. Robert Xia (Bronx High School, Massachusetts Institute of Technology)
2000 68. Pavan Ramdya (Drew College) – (PhD, Harvard University, Assistant Professor Lausanne, SW)
1997 69. Samantha Acunto (Riverdale Country School – Cornell U)
1999-00 70. Jason Pruzansky (MD, MSSM, Orthopedic Surgeon, NY)
1998-99 71. Mike Kalogiannis (PhD, MBA, CMPP, Pfizer)
1995-96 72. Pauline Papavassiliou (Bronx HS, William and Mary College, VCU/MCV-MD/PhD, Pathologist Northside Hospital Forsyth, Durham, NC)
1995-96 73. Peter Rose (UT Houston, Johns Hopkins School of Medicine, Orthopedic Surgeon, Mayo Clinic, Rochester, MN)
1994-95 74. Mahul Shah (Stuyversant High, U Penn; Hedge fund Investment Banker)

ADVISING OUTSIDE LABORATORY

Ph.D. Student Advisory and Oral Preliminary Examination Committees

2024- 1. Arslan Sheikh (Makriyannis lab)
2024- 2. Krista Brown (Makriyannis lab)
2024- 3. Lucy Williamson (Hatfield lab)
2023- 4. Brittany Brems (Booth lab)
2023- 5. Jenna Connolly (Plant lab)
2023- 6. Rian Garland (Yano lab)
2023- 7. Taylor Hickman (Amiji lab)
2023- 8. Charlie Kissell (Plant lab)
2023- 9. Chris Lucaj (Yano lab)

2023- 10. Raquel Sevilla (Amiji lab)
2022- 11. Anh Minh Nguyen (Yano lab, NEU)
2021-2023 12. Dalal Alkhelb (Makriyiannis lab, NEU)
2021-2024 13. Shashank Bhangde (Amiji lab, NEU)
2021-2024 14. Markos Georgiadis (Makriyiannis lab, NEU)
2021- 15. Maria Gerasi (Makriyannis lab, NEU)
2021- 16. Megha Suresh (Amiji lab, NEU)
2021-2024 17. Ryan McGlynn (Booth lab, NEU)
2020-2024 18. Ami Asakawa (Manetsch lab, NEU)
2020-2023 19. Khushbu Bhatt (Bencherif lab, NEU)
2020-2023 20. Jordie Kamuene (Plant lab, NEU)
2020- 21. Samantha Hilston (Makriyiannis lab, NEU)
2020-2023 22. Lauren Gauthier (Makriyiannis lab, NEU)
2020-2023 23. Mohammed Baradwan (Makriyiannis lab, NEU)
2019-2023 24. Shwetha Iyer (Amiji lab, NEU)
2019-2022 25. Gregory Jones (Kim lab, NEU)
2019-2024 26. Joseph Steingold (Sitkovsky lab, NEU)
2019-2023 27. Fei Tong (Makriyannis lab, NEU)
2019-2022 28. Katarina Halpin-Veszeleiova (Sitkovsky lab, NEU)
2019-2023 29. Dhaval Oza (Amiji lab, NEU)
2018-2022 30. Angela Nocera (Amiji lab, NEU)
2018-2020 31. Amey Gaikwad (Konry lab, NEU)
2017-2022 32. Peter Schaffer (Thakur lab, NEU)
2017-2022 33. Lucas Cantwell (Thakur lab, NEU)
2019-2021 34. Othman Benchama (Makriyannis lab, NEU)
2018-2021 35. Aatman Doshi (Amiji lab, NEU)
2018-2021 36. Shrouq Farah (Makriyannis lab, NEU)
2018-2021 37. Srujan Gandham (Amiji lab, NEU)
2019-2021 38. Christos Iliopoulos-Tsoutsouvas (Makriyannis lab, NEU)
2017-2021 39. Archita Menon (Kim lab, NEU)
2017-2020 40. Demetrios Pelekoudas (Makriyiannis lab, NEU)
2017-2019 41. Anthony Mannion (Fox lab, MIT)
2017-2019 42. Katlynn Gwilt (Miller lab, NEU)
2017-2018 43. Ekta Kad (Amiji lab, NEU)
2017-2018 44. Charles Perry (Booth lab, NEU)
2014-2019 45. Vishaka Santosh (Escalante lab, VCU)
2014-2017 46. Iwona Ruchala (De Felice/Eltit lab, VCU; currently: Scientist, Altria)
2014-2016 47. William D. Marks (Houser lab, VCU)
2013-2018 48. Vinay Idikuda (Zhou lab, VCU)
2013-2019 49. Tyler Steele (DeFelice/Eltit lab, VCU)
2015-2016 50. Urjita Shah (Glennon lab, VCU; currently: postdoc Gonzalez-Maeso lab, VCU)
2014-2016 51. Varsha Ananthapadmanabhan (MS, Litovchick lab, VCU) 2013-2015-
2015-2016 52. Supriya Gaitonde (Glennon lab, VCU)
2013-2015 53. Laura O'Brien (Bennett lab, VCU)
2013-2015 54. Joy Ngwainmbi (Akbarali lab, VCU)
2013-2015 55. Krasnodara Cameron (De Felice lab, VCU; currently: Scientist, Altria)
2011-2015 56. Annamarie Carter Dalton (Barton lab, VCU)
2010-2014 57. Aaron Randolph (Ramsey lab, VCU)
2012-2013 58. Shannon Harding (Bennett/Taylor labs, VCU)

2006-2012 59. Justin Costa (Hanss lab, MSSM)
2011-2012 60. Justin Elenewski (Hackett lab, VCU)
2009-2011 61. Crystal West (Masilamani lab, VCU)
2008-2010 62. Sherry Pinkstaff (Arena lab, VCU)
2006-2008 63. Tony Flores (Diverse lab, MSSM)
2004-2007 64. Tao Ma (Blitzer lab, MSSM; currently: Professor at Wake Forest U., NC)
2004-2008 65. Elvera Baron (Max/Osman labs, MSSM)
2003-2004 66. Xiaochu Zhang (Max lab, MSSM)
2002-2003 67. Cheryl Tan (Gelb lab, MSSM)
2001-2005 68. Ailan Lu (Hirsch lab, MSSM)
2001-2004 69. Eugene Tombler (Diverse lab, MSSM)
2000-2001 70. Ilona Gurevich (Schmauss lab, MSSM)
2000-2001 71. Tatyana Gindin (Osman lab, MSSM)
2000-2001 72. Monica Bhanot (Wang lab, MSSM)
2000-2001 73. Panayiotis Tsokas (Landau lab, MSSM)
1999-2001 74. Brian Bloom (Bancroft lab, MSSM)
1998-1999 75. Maya Srinivas (Forrest lab, MSSM)
1997-2002 76. Joshua Rappoport (Abramson lab, MSSM)
1997-2001 77. Montserrat Batle (Hirsch lab, MSSM)
1997-2003 78. Cristian Perez (Margolskee lab, MSSM)
1997-1998 70. Peter Morgan (Weiss lab, MSSM)
1996-1998 80. Avniel Klein (Weiss lab, MSSM)
1996-2001 81. Michael Ross (Klottman lab, MSSM)
1996-1997 82. Elizabeth Buck (Iyengar lab, MSSM)
1995-1998 83. Frank Chuang (Sassaroli lab, MSSM)
1994-1997 84. Xiaohuai Chen (Bancroft lab, MSSM)
1994-1998 85. Desiree Pardi (Margiotta lab, MSSM; diseased)
1994-1997 86. Liangxue Zhu (Thornhill lab, MSSM)
1994-1997 87. Edward Rachofsky (Ross lab, MSSM)
1994-1997 88. Phil Mulieri (Krauss lab, MSSM)

Ph.D. Student Thesis Examination Committees

2021-2023 1. Dalal Alkhelb (Makriyiannis lab, NEU)
2021-2024 2. Shashank Bhangde (Amiji lab, NEU)
2021-2024 3. Markos Georgiadis (Makriyiannis lab, NEU)
2021-2024 4. Ryan McGlynn (Booth lab, NEU)
2020-2024 5. Ami Asakawa (Manetsch lab, NEU)
2020-2023 6. Khushbu Bhatt (Bencherif lab, NEU)
2020-2023 7. Jordie Kamuene (Plant lab, NEU)
2020-2023 8. Lauren Gauthier (Makriyiannis lab, NEU)
2020-2023 9. Mohammed Baradwan (Makriyiannis lab, NEU)
2019-2023 10. Shwetha Iyer (Amiji lab, NEU)
2022 11. Siyuan Zhao (Rohacs Lab, Rutgers U.)
2022 12. Gregory Jones (Kim lab, NEU)
2022 13. Katarina Halpin-Veszeleiova (Sitkovsky lab, NEU)
2022 14. Angela Nocera (Amiji lab, NEU)
2022 15. Peter Schaffer (Thakur lab, NEU)
2022 16. Lucas Cantwell (Thakur lab, NEU)
2021 17. Othman Benchama (Makriyannis lab, NEU)

2021 18. Aatman Doshi (Amiji lab, NEU; AstraZeneka Senior Scientist)
2021 19. Shrouq Farah (Makriyannis lab, NEU)
2021 20. Srujan Gandham (Amiji lab, NEU)
2020 21. Demetrios Pelekoudas (Makriyiannis lab, NEU)
2019 22. Ivan Verduci (Mazzanti lab, U Milan, Italy)
2019 23. Tyler Steele (Eltit / De Felice lab, VCU)
2019 24. Luyu Liu (Rohacs lab, NJ Medical School, Rutgers)
2019 25. Katlynn Gwilt (Miller lab, NU)
2018 26. Vishaka Santosh (Escalante lab, VCU)
2018 27. Ekta Kadakia (Amiji lab, NU)
2018 28. Anthony Mannion (Miller/Fox labs, NU/MIT)
2017 29. Iwona Ruchala (Eltit / De Felice labs, VCU)
2015 30. Krasnodara Cameron (De Felice Lab, VCU)
2014 31. Aaron Randolph (Ramsey lab, VCU)
2014 32. Dac Ahn, (Hanss lab, MSSM)
2012 33. Crystal West (Masilamani lab, VCU)
2012 34. Justin Costa (Hanss lab, MSSM)
2011 35. Justin Elenewski (Hackett lab, VCU)
2010 36. Sherry Pinkstaff (Arena lab, VCU)
2007 37. Keri Fogle (Tibbs lab, Columbia U., NY)
2006 38. Philip Pian (Siegelbaum lab, Columbia U, NY)
2006 39. Vishwanath Jogini (Roux lab, Cornell U Medical School)
2005 40. Panayiotis Tsokas (Blitzer/Landau labs, MSSM)
2004 41. Amit Dhamoon (Jalife lab, Syracuse U, NY)
2004 42. Christov Roberson (Clapham lab, HMS)
2004 43. Allan Lu (Hirsch lab, MSSM)
2003 44. Yi Lee (Yang lab, Columbia University)
2001 45. Montserrat Batle (Hirsch lab, MSSM)
1999 46. Yi Ri (Bargiello lab, Albert Eisntein School of Medicine)
1998 47. Desiree Pardi (Margiotta lab, MSSM)
1997 48. Makiko Fliss (Bancroft lab, MSSM)
1997 49. Andres Couve (Jeanne Hirsch Laboratory, MSSM)
1996 50. Jianqiang Chen (Iyengar lab, MSSM)
1995 51. Rabin Nouranifar (Landau lab, MSSM)

M.S Student Thesis Examination Committees (within or outside the lab)

2024 1. Daniela Cozzi (Logothetis lab, NEU)
2023 2. Mariyanna Vynichaki (Logothetis lab, NEU)
2022 3. Zixuan Yan (Loring lab, NEU)
2022 4. Anh Minh Nguyen (Yano lab, NEU)
2017 5. Lucas Cantwell (Thakur lab, NEU)
2020 6. Mehek Ningoo (Logothetis lab, NEU)
2021 7. Jahnavi Simhadri (Logothetis lab, NEU)
2021 8. Nicole Rivera (Logothetis lab, NEU)
2012 9. Junghoon Ha (Logothetis lab, VCU)

PRESENTATIONS

Local:

2022 (September) Worcester Polytechnic Institute, Chemistry/Biochem and Neuroscience (Robert Dempski)
2022 (August) Clapham David Symposium, Broad Institute, MIT (Dejian Ren)

2021 (February)	Tufts University, Graduate School of Biomed. Sci. (Emmanuel Pothos)
2021 (February)	Northeastern University, Pharmaceutical Sciences (Ganesh Thakur)
2020 (February)	Brandeis University, Biology Department (Don Katz)
2019 (August)	Chemistry & Pharmacology of Drugs of Abuse (A. Makriyannis)
2018 (August)	Chemistry & Pharmacology of Drugs of Abuse (A. Makriyannis)
2018 (June)	Merck-Boston (Matthew Kennedy)
2017 (September)	Broad Institute, MIT, Channel Therapeutics group (Anna Greka)
2017 (April)	Northeastern University School of Pharmacy, Rho Chi Annual Lecture (PharmD students)
2016 (December)	Northeastern University, Department of Physics (Alain Karma)
2015 (November)	University of Richmond, Introduction to Research for Undergrads (John Warrick)
2015 (October)	VCU School of Medicine, Department of Microbiology/Immunology (Masoud Manjili)
2013 (November)	VCU School of Medicine, Dept. of Biochemistry (Charles Chalfant)
2012 (September)	VCU, Institute of Structural Biology and Drug Design (Glen Kellog)
2011 (April)	VCU, Women in Science, Dentistry and Medicine (WISDM), Academic career mentoring, Invited Speaker
2010 (December)	VCU School of Medicine, Dept. Pharmacology and Toxicology (Hamid Akbarali)
2010 (March)	VCU School of Pharmacy, Grad. Program (Student invitation)
2009 (February)	VCU School of Medicine, Department of Anatomy and Neurobiology (John Povlishock)
2008 (September)	VCU School of Medicine, Dept. of Biochemistry (Jessica Bell)
2007 (October)	City College New York, Department of Biochemistry (Thomas Haines)
2007 (October)	Cornell University - Weill Medical College, Department of Physiology and Biophysics (Harel Weinstein)
2007 (March)	Mount Sinai School of Medicine, Department of Medicine, Nephrology Division (Michael Lipkowitz)
2006 (October)	Bio-Med Society, Student Organization, Baruch College (Mary Zhitnikova)
2006 (October)	Columbia University, Department of Biology, Neurolunch series, New York (Jian Yang)
2005 (April)	Mount Sinai, NY, Office of Postdoctoral Affairs, Panel on career advice (Sandra Masur)
2004 (July)	New York University School of Medicine, Department of Cardiology (Bill Coetzee)
2004 (February)	New York Medical College on Graduate School Education (Frances Belloni)
2002 (October)	Mount Sinai School of Medicine, Dean's Lecture Series, New York (Dean's committee)
2002 (September)	Mount Sinai School of Medicine, Molecular Cell & Developmental Biology (Paul Wassarman)
2002 (June)	S.U.N.Y. Stony Brook, Dept. of Physiology and Biophysics (Suzanne Scarlata)
2002 (May)	Einstein Medical College, Department of Cardiology (Thomas MacDonald)
2002 (February)	Columbia University School of Medicine, Dept. of Pharmacology (Robert Kass)
2001 (April)	New York U., Washington Square Campus, Dept. of Biology (Todd Holmes)

Regional:

2025 (January) Florida International University, Department of Chemistry & Biochemistry (John Hacket)
2023 (February) Stanford University, Department of Molecular and Cellular Physiology (Georgios Skiniotis)
2019 (December) Chapman University, School of Pharmacy (Miao Zhang)
2019 (December) Wake Forest, Physiology and Neuroscience (Tao Ma)
2017 (April) Weill Cornell School of Medicine, Physiology & Biophysics (Radda Rusinova)
2017 (February) NIDA Intramural Program, Molecular Targets and Medications Discovery Branch, Integrative Neurobiology Section (Sergi Ferre)
2016 (July) Gordon Research Conference on Ion Channels, Mount Holyoke College, MA (Emily Liman)
2016 (March) Montana State University, Dept. Cell Biology and Neuroscience (Susy Kohout)
2015 (March) Northeastern University, Dept. Pharmaceutical Sciences, (Ray Booth) 2014
(September) Tufts U School of Medicine, Molecular Cardiology Research Institute, 16th annual retreat Distinguished speaker (Jonas Galper)
2014 (September) Northeastern University, Ctr for Drug Discovery, Boston (Ray Booth) 2014
(February) University of Central Florida, Burnett School of Biomedical Sciences (BSBS), College of Medicine (Srch Committee for Director of BSBS) 2013
(October) University of Illinois in Chicago, Dept. of Physiology (John Solaro) 2013
(March) Indiana University Sch. of Medicine, Stark Neuroscience Research Institute, Indianapolis, Indiana (Fletcher White)
2013 (February) The Biophysical Society, Membrane Biophysics Subgroup, Speaker, Chair and Organizer of 2013 symposium
2012 (June) Gordon Research Conference, Phosphorylation and G protein mediated signaling networks, U of New England, ME (John Tesmer)
2012 (May) Harvard Medical School, Children's Hospital, Boston (Speaker and Organizer of Symposium in honor of David Clapham)
2012 (January) University of Pennsylvania, Department of Physiology (Toshi Hoshi) 2011
(November) New York Structural Biology Ctr, New York, NY (Wayne Hendrickson) 2011
(November) American Society of Nephrology, Protein Lipid Interactions in Cell Physiology, Philadelphia, PA (Jeff Schelling)
2011 (November) University of Connecticut, Storrs Campus, Storrs, CT (Anastasios Tsingounis)
2011 (October) University of Michigan, Department of Pharmacology, Ann Arbor, MI (Georgios Skiniotis)
2011 (April) New York Structural Biology Center, City College, New York, NY (David Stokes)
2011 (February) Columbia University Medical Center, Department of Physiology and Cellular Biophysics, New York, NY (Ming Zhou)
2011 (January) University of Cincinnati College of Medicine, Department of Pharmacology and Cellular Biophysics, OH (Litsa Kranias)
2010 (December) Global Hellenic Medical and Biosciences Network, New York, NY Lenox Hospital, (invited speaker)
2010 (April) Washington University, Dept. Anesthesiology, St. Louis, MO (Chris Lingle)
2010 (February) Wright State University, Dept. of Neuroscience, Cell Biology and Physiology, Dayton, OH (Ashot Kozak)
2009 (October) Hellenic Biosciences Association (Invited Speaker at Multidisciplinary

workshop, Boston, MA. (Thomas Thomou)

2009 (July) 36th International Congress of Physiological Sciences, Speaker on Regular Symposium: Current Advances in G protein and lipid modulation of ion channels, Kyoto, Japan (organizer: Paul Slesinger)

2009 (April) ASPET's Division of Molecular Pharmacology, Meeting on G-Protein Targets, Featured Presentation, New Orleans, LA (Alan Smrcka)

2008 (December) U of Rochester, Aab Cardiovascular Institute (Coeli Lopes)

2008 (April) Experimental Biol. Meeting, APS Cell & Molecular Physiology, Featured Presentation, San Diego, CA. (He-Ping Ma)

2008 (February) The Biophysical Society, Invited Speaker on subgroup Symposium (Eitan Reuneny)

2007 (October) University of Medicine and Dentistry of New Jersey, Department of Physiology (Tibor Rohacs)

2007 (May) Solmap Pharmaceuticals, Cambridge, Massachusetts (Frank Guarnieri)

2007 (April) University of Oklahoma, Dept. Cell Biology, Biochem. and Molecular Biology (Leonidas Tsiokas)

2007 (March) The Biophysical Society, Invited Speaker on Symposium organized by the J. Physiol (Mark Shapiro)

2005 (December) McGill University, Montreal Neurological Institute, Canada (Phillippe Sequela)

2005 (October) 4th Annual Ion Channel Drug Targets, Seattle, WA 2005 (June) FASEB Summer Res. Conference on "Ion Channel Regulation", Snowmass, CO. (Organizer)

2005 (March) Case Western Reserve University, Pharmacology (Toni Scarpa)

2004 (December) University of Pennsylvania, Institute for Medicine and Engineering (Irena Levitan)

2004 (November) University of Texas, Health Science Center, San Antonio, Dept. of Physiology (Mark Shapiro)

2004 (October) University of Medicine and Dentistry at NJ, Dept. Pharmacology and Physiology (Martha Nowicky)

2004 (September) Society of General Physiologists, Invited Speaker in Lipid Signaling Symposium (Don Hilgemann)

2004 (June) New Jersey Medical School, UMDNJ on Graduate School Education (Nick Ingoglia)

2004 (February Biophysical Society 48th Annual Meeting, Invited Symposium Speaker, Baltimore (Don Hilgemann)

2004 (January) Case Western Reserve University, Physiology and Biophysics (Kim W. Chan)

2003 (December) Oregon Health & Science University, Physiology & Pharmacology (Show-Ling Shyng)

2003 (November) American Heart Association, Scientific Sessions 2003 (Awardees Presentations)

2003 (October) University of Virginia, Department of Pharmacology (Douglas Bayliss)

2003 (October) Jefferson Medical College, Department of Physiology, Institute of Hyperexcitability (Dick Horn)

2003 (September) University of Rochester School of Medicine and Dentistry, Physiology (Alan Smrcka)

2003 (June) FASEB Conference, Invited Speaker, Tucson (David Armstrong and Sandy Rossie)

2003 (January) Keystone Symposia, Invited Speaker in Cardiac Arrhythmias Conference, New Mexico (A. Marks).

2002 (October) Weis Center for Research, Penn State College of Medicine, Danville, PA (Catherine Berlot)

2002 (April)	University of Illinois, Department of Pharmacology (Shigehiro Nakajima)
2001 (December)	Yale School of Medicine, Department of Physiology, New Haven, CT. (Fred Sigworth)
2001 (May)	NASPE (Invited Speaker), Boston MA. (Gordon Tomasseli)
2001 (April)	Medical College of Ohio, Anatomy & Neuroscience, Toledo, OH (Joseph Margiotta)

International:

2024 (April)	University of Thessaloniki, Biology Department (Giorgos Mosialos)
2024 (March)	SparingVision company and Vision Institute in Paris (Florence Largot)
2023 (May)	Semmelweis Medical School, Budapest, Hungary (Laszlo Csanady)
2023 (May)	University of Vienna, Vienna, Austria (Anna Weinzinger)
2022 (May)	Tel Aviv University, Sackler School of Medicine, Israel (Bernard Attali and Nathan Dascal)
2022 (May)	Ben-Gurion / Northeastern Universities Symposium (Tania Konry)
2021 (May)	Hellenic Neurology Society Invited talk for ”1821-2021: 200 years of the Greek World and Neurosciences” (Domna Karagogeos)
2020 (November)	University of Crete, Department of Biology (Kyriaki Sidiropoulou)
2020 (February)	10th Esteve Foundation Discussion Group, Barcelona (Sergi Ferre)
2019 (November)	FORTH, Institute of Mol Biol & Biotech, Crete (Domna Karagogeos)
2019 (August)	Hebei University of Technology, Institute of Biophysics (Hailong An)
2019 (August)	Xuzhou Medical University, Dept. Anesthesiology (Zhe Zhang)
2019 (August)	Hebei Medical University, Dept. Pharmacology (Hailin Zhang)
2017 (October)	Bahçeşehir University (BAU) Drug Design Congress, Istanbul, Turkey (Serdar Durdagi)
2017 (July)	Institute of Molecular Biology & Biotechnology, FORTH, Heraklion, Crete (Kyriaki Sidiropoulou)
2017 (October)	5th International Bahcesehir University (BAU) Drug Design Congress, Istanbul, Turkey (Serdar Durdagi)
2017 (May)	European Interreg Med Aristoil program, Athens Old Parliament (Prokopios Magiatis)
2015 (June)	3rd Hellenic Forum of Research and Innovation, Demokritos, Athens, Greece (Iro Georgoussi)
2015 (May)	37th Annual Meeting, Greek Society of Biological Sciences, Volos, Greece (Afroditi Lazou)
2015 (May)	4th WHBA Summer School, Itilo, Mani, Greece (S. Mantalaris, M. Dermitzakis)
2014 (October)	University of Crete Medical School, Graduate Program on the Molecular Basis of Human Disease (Dimitris Kardassis)
2014 (May)	32nd CNC Symposium on Trends in Drug Research (Cyprus, invited speaker)
2014 (May)	3rd WHBA Summer School, Itilo, Mani, Greece (Costas Drosatos)
2014 (January)	University of Crete, Heraklion, Sch. of Medicine, Honorary degree recipient (Andreas Margioris)
2014 (January)	University of Athens, Department of Pharmacognosy and Chemistry of Natural Products, School of Pharmacy (Leandros Skaltsounis)
2013 (June)	The 4th International Ion Channel Conference, Shijiazhuang, China
2013 (June)	Hebei U of Technology, Institute for Biophysics, Tianjin, China (Hailong An)

2013 (May)	2nd WHBA Summer School, Monemvasia, Greece (Costas Drosatos)
2013 (May)	National Ctr for Scientific Research, Demokritos, Athens, Greece (Zafiroula – Iro Georgoussi)
2013 (February)	Symposium on Translational Medicine, University of Ioannina, Ioannina, Greece (co-organizer with Dr. Dimitrios Boumpas)
2013 (February)	University of Athens Chemistry Department, Athens, Greece (Thomas Mavromoustakos)
2012 (May)	1st World Hellenic Biosciences Association, Summer School, Itilo, Mani (Costas Drosatos)
2011 (May)	Seventh Aegean Meeting on Neurologic Therapeutics, Heraklion, Crete, Greece (invited speaker, Andreas Plaitakis)
2011 (May)	Aristotle University of Thessaloniki, Study Group of Medical Justice and Bioethics and Department of Ethics and Sociology, Thessaloniki, Greece (Ioannis Petrou)
2011 (May)	Aristotle University of Thessaloniki, School of Pharmacy and Department of Biology, Thessaloniki, Greece (Christos Panagiotidis)
2011 (May)	International School of Biophysics, Erice, Sicily, Italy (invited Speaker – Louis De Felice)
2010 (October)	University of Crete Medical School, Program of Graduate Studies in the Neurosciences (Andreas Plaitakis)
2009 (November)	University of Crete Medical School, Dept. Medicine, Division Basic Sciences, Heraklion, Crete, Greece (Dimitris Kardassis)
2008 (October)	University of Crete School of Medicine, Program in Neurosciences (Andreas Plaitakis)
2007 (February)	University of Leuven, Department of Pharmacology, Belgium (Mathieu Bollen)
2007 (February)	University of Freibourg, Department of Physiology, Germany (Bernd Fakler)
2006 (September)	Institut de Pharmacologie: CNRS, Sophia Anapolis, France (Eric Honore and Michel Lazdunski)
2006 (May)	University of Leuven, Department of Molecular Cell Biology, Belgium (Bernd Nilius)
2006 (May)	The Royal Danish Academy of Sciences, Copenhagen, Denmark (Søren-Peter Olesen)
2005 (November)	International workshop on ionic channels, Colima, Mexico (José Sanchez Chapula)
2005 (September)	University College London, Pharmacology, UK (David Brown)
2005 (September)	Ion Channels in Smooth Muscle Conference, University of Oxford, UK (David Beech &Tom Bolton)
2003 (March)	Neural Signalplexes and Ion Channel Regulation, Okazaki, Aichi, Japan (Keiji Imoto)
2002 (September)	University of Lyon, Invited speaker in "Ion Channel Conference", France (Michel Vivaudou)
2002 (July)	University of Thessaloniki, Department of Biochemistry, Greece (Margarita Hadzopoulou-Cladaras)
2002 (June)	University of Athens, Department of Biology, Athens, Greece (Spiros Efthimi opoulos)
2002 (June)	University of Crete, Department of Cardiology, Crete, Greece (Panos Vardas)
2002 (March)	Chinese Academy of Science, Institute of Neuroscience, Shanghai, China (Zhuan Zhou)

2002 (March)	Hebei Medical University, Shijiazhuang, China (Hailin Zhang)
2001 (November)	Second Military Medical University, Shanghai, China (Cheng He)
2001 (November)	Hebei Medical University, Shijiazhuang, China (Hailin Zhang)
2001 (August)	Gordon Conference on G proteins (Invited Speaker), Oxford, England (Dafna Bar-Sagi)
2001 (August)	University College, London, Center for Clinical Pharmacology and Therapeutics (Lucie Clapp)
2001 (July)	Second Military Medical U, Shanghai, China (Cheng He)

PUBLICATIONS

Scientific Journals

Publications/Citations:
127 original publications and 32 reviews; Google Scholar -GS- 15,918 citations (as of 12/27/24), h-index: 68; Web of Science -WoS- 12,417 citations (as of 12/27/24), h-index: 58)

Original publications

1984 (NEU-MA, 1 pub, 3/3 citations)

1. Logothetis DE, Boulos Z, Terman M. Lick Rate and the Circadian Rhythm of Water Intake in the Rat: Effects of Deuterium Oxide. Annals of the New York Academy of Sciences 423 (1), 614-617, 1984. (cited GS: 3 times, WoS: 3 times). Impact Factor: 4.04.

1987 (HMS-PhD, 2 pubs, 1616/1204 citations)

2. Logothetis DE. On the molecular regulation of the cardiac muscarinic K channel by the subunits of GTP binding proteins. Dissertation Harvard University 1987 (cited GS: 2 times, WoS: 2 times).
3. Logothetis DE, Kurachi Y, Galper J, Neer EJ, and Clapham DE. The $G\beta\gamma$ subunits of GTP- binding proteins activate the muscarinic K^+ channel in heart. Nature 1987; **325**:321-326 (cited GS: 1614 times, WoS: 1202 times). Impact Factor: 49.96.

1988 (HMS-PhD, 2 pubs, 248/180 citations)

4. Logothetis DE, Kim D, Northup JK, Neer EJ, and Clapham DE. Specificity of the G protein subunits on the cardiac muscarinic K^+ channel. PNAS 1988; **85**:5814-5818 (cited GS: 202 times, WoS: 141 times). Impact Factor: 12.78.

5. Clapham DE and Logothetis DE. Delayed rectifier potassium current in embryonic chick heart ventricle. Am J Physiol 1988; **254**:H192-H197 (cited GS: 46 times, WoS: 39 times). Impact Factor: 6.23

1989 (HMS-Postdoc, 1 pub, 785/697 citations)

6. Plummer MR, Logothetis DE, and Hess P. Elementary Properties and Pharmacological Sensitivities of Calcium Channels in Mammalian Peripheral Neurons. Neuron 1989; **4**:1453-1463 (cited GS: 785 times, WoS: 697 times). Impact Factor: 17.17.

1990 (HMS-Postdoc, NU-MA, 2 pubs, 233/158 citations)

7. Koren G, Liman ER, Logothetis DE, Nadal-Ginard B, and Hess P. Gating mechanism of a cloned K^+ channel expressed in frog oocytes and mammalian cells. Neuron 1990; **2**:39-51 (cited GS: 165 times, WoS: 110 times). Impact Factor: 17.17.

8. Boulos Z and Logothetis DE. Rats anticipate and discriminate between two daily feeding times. Physiology & Behavior 1990; **48**:523-529 (cited GS: 68 times, WoS: 48 times). Impact Factor: 3.24.

1992 (HMS-Postdoc, 1 pub, 198/145 citations)

9. Logothetis DE, Movahedi S, Satler C, Lindpaintner K, and Nadal-Ginard B. Incremental reductions of positive charge within the S4 region of a voltage-gated K^+ channel result in corresponding decreases in gating charge. Neuron 1992; **8**:531-540 (cited GS: 198 times, WoS: 145 times). Impact Factor : 17.17.

1993 (HMS-Postdoc, 1 pub, 81/50 citations)

10. Logothetis DE, Kammen BF, Lindpaintner K, Bisbas D, and Nadal-Ginard B. Gating charge differences between two voltage-gated K^+ channels are due to the specific charge content of their respective S4 regions. Neuron 1993; **10**:1121-1129 (cited GS: 81 times, WoS: 50 times). Impact Factor: 17.17.

1994 (HMS-Postdoc, 2 pubs, 74/58 citations)

11. Castle NA, Fadous S, Logothetis DE, and Wang GK. Aminopyridine block of Kv1.1 potassium channels expressed in mammalian cells and Xenopus oocytes. Mol. Pharmacol. 1994; **45**:1242-1252 (cited GS: 33 times, WoS: 25 times). Impact Factor: 5.36.

12. Castle NA, Fadous S, Logothetis DE, and Wang GK. 4-Aminopyridine binding and slow inactivation are mutually exclusive in rat Kv1.1 and Shaker potassium channels. Mol. Pharmacol. 1994; **46**:1175-1181 (cited GS: 41 times, WoS: 33 times). Impact Factor: 5.36.

1995 (MSSM-Assistant Professor; HMS-Instructor, 2 pubs, 2220/1557 citations)

13. Chen J, DeVivo M, Dingus J, Harry A, Li J, Sui J, Carty D, Blank JL, Exton J, Stoffel, RH, Inglese J, Lefkowitz RJ, Logothetis DE, Hildebrandt JD, and Iyengar R. A region of adenylyl cyclase 2 critical for regulation by G protein $\beta\gamma$ subunits. Science 1995; **268**:1166-1169 (cited GS: 326 times, WoS: 250 times). Impact Factor: 47.73.

14. Welsh DK, Logothetis DE, Meister M, and Reppert SM. Individual neurons dissociated from rat suprachiasmatic nucleus express independently phased circadian firing rhythms. Neuron 1995;**14**:697-706 (cited GS: 1894 times, WoS: 1307 times). Impact Factor: 17.17.

1996 (MSSM-Assistant Professor, 3 pubs, 377/312 citations)

15. Chan KW, Langan MN, Sui J, Kozak JA, Pabon A, Ladias JAA, and Logothetis DE. A recombinant inwardly-rectifying potassium channel coupled to GTP-binding proteins. J. Gen. Physiol. 1996; **107**:381-397 (cited GS: 87 times, WoS: 73 times). Impact Factor: 4.00.

16. Sui J-L, Chan KW, and Logothetis DE. Na^+ activation of the muscarinic K^+ channel by a G-protein-independent mechanism. J. Gen. Physiol. 1996; **108**: 381-391 (cited GS: 149 times,

WoS: 117 times). Impact Factor: 4.00.

17. Chan KW, Sui J, Vivaudou M, and Logothetis DE. Control of channel activity through a unique amino acid residue of a G protein-gated inwardly rectifying K^+ channel subunit. PNAS 1996; **93**: 14193-14198 (cited GS: 141 times, WoS: 122 times). Impact Factor: 12.78.

1997 (MSSM-Assistant Professor, 3 pubs, 284/240 citations)

18. Chan KW, Sui J-L, Vivaudou M, and Logothetis DE. Specific regions of heteromeric subunits involved in the enhancement of G-protein-gated K^+ channel activity. J. Biol. Chem. 1997; **272**: 6548-6555 (cited GS: 75 times, WoS: 57 times). Impact Factor: 5.16.

19. Kozak JA and Logothetis DE. A calcium-dependent chloride current in insulin-secreting β-TC3 cells. Pflügers Arch. 1997; **433**: 679-690 (cited GS: 32 times, WoS: 22 times). Impact Factor: 3.78.

20. Vivaudou M, Chan KW, Sui J-L, Jan LY, Reuveny E., and Logothetis DE. Probing the G-protein regulation of GIRK1 and GIRK4, the two subunits of the K_{ACh} channel, using functional homomeric mutants. J. Biol. Chem. 1997; **272**:31553-31560 (cited GS: 177 times, WoS: 161 times). Impact Factor: 5.16.

1998 (MSSM-Associate Professor, 2 pubs, 328/279 citations)

21. Sui J-L, Petit-Jacques J, and Logothetis DE. Activation of the atrial K_{ACh} channel by the $\beta\gamma$ subunits of G proteins or intracellular Na^+ ions depends on the presence of Phosphatidylinositol phosphates. PNAS 1998; **95**:1307-1312 (cited GS: 295 times, WoS: 254 times). Impact Factor: 12.78.

22. Kozak JA, Misler S. and Logothetis DE. Characterization of a Ca^{2+}-activated K^+ current in insulin-secreting β-TC3 cells. J. Physiol. London 1998; **509**:355-370 (cited GS: 33 times, WoS: 25 times). Impact Factor: 8.83.

1999 (MSSM-Associate Professor, 4 pubs, 880/695 citations)

23. He C, Zhang H, Mirshahi T, and Logothetis DE. Identification of a potassium channel site that interacts with G protein $\beta\gamma$ subunits to mediate agonist-induced signaling. J. Biol. Chem. 1999, **274**: 12517-12524 (cited GS: 149 times, WoS: 127 times). Impact Factor: 5.16.

24. Zhang H, He C, Yan X, Mirshahi T, and Logothetis DE. Activation of inwardly rectifying K^+ channels by distinct PtdIns(4,5)P_2 interactions. Nature Cell Biology 1999, **1**:183-188 (cited GS: 399 times, WoS: 296 times). Impact Factor: 28.21.

25. Petit-Jacques J, Sui J-L, and Logothetis DE. Synergistic activation of GIRK channels by Na^+, Mg^{2+} and G$\beta\gamma$ subunits. J. Gen. Physiol. 1999, **114**:673-684. (Cover) (cited GS: 112 times, WoS: 89 times). Impact Factor: 4.00.

26. Rohács T, Chen J, Prestwich GD, and Logothetis DE. Distinct specificities of inwardly rectifying K^+ channels for phosphoinositides. J. Biol. Chem. 1999, **274**:36065-36072 (cited GS: 220 times, WoS: 183 times). Impact Factor: 5.16.

2000 (MSSM-Associate Professor, 2 pubs, 296/243 citations)

27. Kobrinsky E, Mirshahi T, Zhang H, Jin T, and Logothetis DE. Receptor-mediated hydrolysis of plasma membrane messenger PIP2 leads to K^+-current desensitization. Nature Cell Biology 2000, **2**:507-514 (cited GS: 266 times, WoS: 214 times). Impact Factor: 28.21.

28. Pabon A, Chan KW, Sui J-L, Wu X, Logothetis DE, and Thornhill WB. Glycosylation of GIRK1 at Asn 119 and ROMK1 at Asn 117 Has Different Consequences in Potassium Channel Function J. Biol. Chem. 2000, **275**: 30677–30682 (cited GS: 30 times, WoS: 29 times). Impact Factor: 5.16.

2001 (MSSM-Associate Professor, 3 pubs, 317/240 citations)

29. Hughes T, Zhang H, Logothetis DE, and Berlot CH. Visualization of a functional Gαq- green fluorescent protein fusion in living cells: Association with the plasma membrane is disrupted by mutational activation and by elimination of palmitoylation sites, but not by activation mediated by receptors or AlF_4^-. J. Biol. Chem. 2001, **276**: 4227-4235 (cited GS: 174 times, WoS: 135 times). Impact Factor: 5.16.

30. Zhu L, Wu X, Chan KW, Logothetis DE, and Thornhill WB. Cloning and characterization of G protein-gated K^+ channel (GIRK1) isoforms from heart and brain. Molecular Neuroscience 2001, **16**:21-32 (cited GS: 12 times, WoS: 12 times). Impact Factor: 3.44.

31. London B, Guo W, Pan X-h, Lee JS, Shusterman V, Logothetis DA, Nerbonne JM, and Hill JA. Targeted replacement of Kv1.5 in the mouse leads to loss of the 4-Aminopyridine- sensitive component of $I_{K,slow}$ and resistance to drug-induced QT prolongation. Circ. Res. 2001, **88**:940-946 (cited GS: 131 times, WoS: 93 times). Impact Factor: 23.21.

2002 (MSSM-Professor, 5 pubs, 863/691 citations)

32. Mirshahi T, Robillard L, Zhang H, Hébert TE, and Logothetis DE. Distinct effects of G$\beta\gamma$ proteins on K^+ channels involve Gβ residues that do not interact with Gα and underlie agonist-independent channel activity. J. Biol. Chem. 2002, **277**: 7348-7355 (cited GS: 63 times, WoS: 53 times). Impact Factor: 5.16.

33. He C, Yan X, Zhang H, Mirshahi T, Jin T, Huang A, and Logothetis DE. Identification of critical residues in the cytoplasmic N- and C-terminal domains of GIRK channels involved in interactions with the $\beta\gamma$ subunits of G proteins and generation of basal activity. J. Biol. Chem. 2002, **277**: 6088-6096 (cited GS: 112 times, WoS: 94 times). Impact Factor: 5.16.

34. Lopes CMB, Zhang H, Rohacs T, Yang J, and Logothetis DE. Alterations in Conserved Interactions between PIP2 and Kir Channels Underlie Channelopathies. Neuron 2002, **34**:933-944 (cited GS: 466 times, WoS: 373 times). Impact Factor: 17.17.

35. Mirshahi T, Mittal V, Zhang H, Linder ME, and Logothetis DE. Distinct sites on G protein $\beta\gamma$ subunits regulate different effector functions. J Biol Chem 2002, **277**:36345-50 (cited GS: 68 times, WoS: 50 times). Impact Factor: 5.16.

36. Jin T, Peng L, Mirshahi T, Rohacs T, Chan KW, Sanchez R, and Logothetis DE. The $\beta\gamma$ subunits of G proteins gate a K^+ channel by pivoted bending of a transmembrane segment. Molecular Cell 2002, **10**:469-481 (cited GS: 154 times, WoS: 121 times). Impact Factor: 17.97.

2003 (MSSM-Professor, 5 pubs, 1166/944 citations)

37. Rohacs T, Lopes CMB, Ramdya P, Jin T, and Logothetis DE. Specificity of activation by phosphoinositides determines lipid regulation of Kir channels. PNAS 2003, **100**:745-750 (cited GS: 234 times, WoS: 191 times). Impact Factor: 12.78.

38. Zhang H, Craciun LC, Mirshahi T, Rohacs T, Lopes CMB and Logothetis DE. PIP_2 activates all KCNQ channels and underlies inhibition of M currents by agonists that signal its hydrolysis. Neuron 2003, **37**:963-975 (cited GS: 612 times, WoS: 502 times). Impact Factor: 17.17.

39. Chan KW, Zhang H, and Logothetis DE. N-terminal transmembrane domain of the SUR controls trafficking and gating of Kir6 channel subunits. EMBO J. 2003, **22**:3833-43 (cited GS: 211 times, WoS: 161 times). Impact Factor: 11.60.

40. Davila V, Yan Z, Craciun LC, Logothetis D, and Sulzer D. D3 dopamine autoreceptors do not activate G-protein-gated inwardly rectifying potassium channel currents in substantia nigra dopamine neurons. J Neurosci. 2003, **23**:5693-7 (cited GS: 75 times, WoS: 61 times). Impact Factor: 6.71.

41. Peng L, Mirshahi T, Zhang H, Hirsch JP, and Logothetis DE. Critical determinants of the G protein γ subunits in the G$\beta\gamma$ stimulation of GIRK channel activity. J. Biol. Chem. 2003, **278**:50203-11 (cited GS: 34 times, WoS: 29 times). Impact Factor: 5.16.

2004 (MSSM-Professor, 3 pubs, 418/332 citations)

42. Mirshahi T. and Logothetis DE. Molecular Determinants Responsible for Differential Cellular Distribution of G Protein-gated Inwardly Rectifying K^+ Channels. J. Biol. Chem. 2004, **279**:11890-7 (cited GS: 24 times, WoS: 18 times). Impact Factor: 5.16.

43. Du X, Zhang H, Lopes C, Mirshahi T, Rohacs T, and Logothetis DE. Characteristic interactions with PIP_2 determine regulation of Kir channels by diverse modulators. J. Biol. Chem. 2004, **279**:37271-81 (cited GS: 233 times, WoS: 183 times). Impact Factor: 5.16.

44. Scott DB, Michailidis IE, Mu Y, Logothetis D, and Ehlers MD. Endocytosis and Degradative Sorting of NMDA Receptors by Conserved Membrane-Proximal Signals J Neurosci. 2004; **24**:7096-109 (cited GS: 161 times, WoS: 131 times). Impact Factor: 6.71.

2005 (MSSM-Professor, 2 pubs, 959/716 citations)

45. Lopes CMB, Rohács T., Czirják G, Balla T, Enyedi P, and Logothetis DE. PIP_2 hydrolysis underlies agonist-induced inhibition and regulates voltage-gating of 2-P domain K^+ channels. J Physiol. 2005, **564**:117-29 (cited GS: 230 times, WoS: 165 times). Impact Factor: 6.23.

46. Rohács T, Lopes CMB, Michailidis I and Logothetis DE. PtdIns(4,5)P2 regulates the activation and desensitization of TRPM8 channels through the TRP domain. Nature Neurosci. 2005, **8**:626-634 (cited GS: 729 times, WoS: 551 times). Impact Factor: 28.77.

2006 (MSSM-Professor, 4 pubs, 241/189 citations)

47. Mirshahi T, Logothetis DE. and Rosenhouse-Dantsker A. Hydrogen bonding dynamics between adjacent blades in G protein β subunit regulate GIRK channel activation. Biophys J. 2006 **90**:2776-85 (cited GS: 6 times, WoS: 6 times). Impact Factor: 4.03.

48. Rosenhouse-Dantsker A and Logothetis DE. New roles for a key glycine and its neighboring residue in potassium channel gating. Biophys J. 2006 **91:**2860-2873 (cited GS: 42 times, WoS: 35 times). Impact Factor: 4.03.

49. Ishii Y, Pirkmaier A, Alvarez JV, Frank DA, Keselman I, Logothetis D, Mandeli J, O'Connell MJ, Waxman S, Germain D. Cyclin D1 overexpression and response to bortezomib treatment in a breast cancer model. J. Natl. Cancer Inst 2006 **98**:1238-47 (cited GS: 87 times, WoS: 64 times). Impact Factor: 11.82.

50. Pyo RT, Sui JL, Dhume A, Palomeque J, Blaxall BC, Diaz G, Tunstead J, Logothetis DE, Hajjar RJ, and Schecter AD Cxcr4 modulates contractility in adult cardiac myocytes. J Mol Cell Cardiol 2006 **41**:834-844 (cited GS: 106 times, WoS: 84 times). Impact Factor: 4.13.

2007 (MSSM-Professor, 7 pubs, 349/269 citations)

51. Zhao Q, Yang M, Ting A, and Logothetis DE. PIP2 regulates the ionic current of P2X receptors and P2X7 receptor-mediated cell death. Channels 2007 **1**:46-55 (cited GS: 58 times, WoS: 56 times). Impact Factor: 2.58.

52. Michailidis IE, Helton TD, Petrou VI, Mirshahi T, Ehlers MD, and Logothetis DE. Phosphatidylinositol-4,5-bisphosphate regulates NMDA receptor activity through α-actinin. J. Neurosci 2007 **27**:5523-5532 (cited GS: 73 times, WoS: 61 times) Impact Factor: 6.71.

53. Keselman I, Fribourg M, Felsenfeld DP, and Logothetis DE. Mechanism of PLC-mediated Kir3 current inhibition Channels 2007 **1**:113-123 (cited GS: 62 times, WoS: 55 times). Impact Factor: 2.58.

54. Lopes CMB, Remon JI, Matavel A, Sui JL, Keselman I, Medei E, Shen Y, Rosenhouse-Dantsker A, Rohacs T, and Logothetis DE. Protein kinase A modulates PLC-dependent regulation and PIP2 sensitivity of K^+ channels Channels 2007 **1**:124-134 (cited GS: 73 times, WoS: 58 times). Impact Factor: 2.58.

55. Rosenhouse-Dantsker A and Logothetis DE. Potassium channel gating in the absence of the highly conserved glycine of the inner transmembrane helix. Channels 2007 **1**:189- 197 (cited GS: 10 times, WoS: 11 times). Impact Factor: 2.58.

56. Gibor G, Yakubovich D, Rosenhouse-Dantsker A, Peretz A, Schottelndreier H, Seebohm G, Dascal N, Logothetis DE, Paas Y and Attali B. An inactivation gate in the selectivity filter of KCNQ1 potassium channels Biophysical J. 2007 **93**:4159-72 (cited GS: 39 times, WoS: 28

times). Impact Factor: 4.03.

57. Rusinova R, Mirshahi T, and Logothetis DE. Specificity of G$\beta\gamma$ signaling to potassium channels depends on the helical domain of Pertussis toxin-sensitive Gα subunits J Biol Chem. 2007 **282**:34019-34030 (cited GS: 34 times, WoS: 29 times). Impact Factor: 5.16.

2008 (VCU-Professor, 4 pubs, 220/182 citations)

58. Jin T, Sui JL, Rosenhouse-Dantsker A, Chan KW, Jan LY, Logothetis DE. Stoichiometry of Kir channels with phosphatidylinositol bisphosphate. Channels 2008 **2**:19-33 (cited GS: 11 times, WoS: 14 times). Impact Factor: 2.58.

59. Bernier L-P, Ase AR, Tong X, Hamel E, Blais D, Zhao Q, Logothetis DE, Sequela P. Direct modulation of P2X1 receptor-channels by the lipid phosphatidylinositol 4,5-bisphosphate. Mol. Pharm. 2008 **74**:785-792 (cited GS: 44 times, WoS: 37 times). Impact Factor: 5.36.

60. Rosenhouse-Dantsker A, Sui JL, Zhao Q, Rusinova R, Rodriquez Menchaca A, Zhang Z, Logothetis DE. A sodium-mediated structural switch that controls PIP2 interactions with Kir channels. Nat. Chem. Biol. 2008 **4**:624-631 (cited GS: 66 times, WoS: 49 times). Impact Factor: 16.29.

61. Bernier LP, Ase AR, Chevallier S, Blais D, Zhao Q, Boué-Grabot E, Logothetis D, Séguéla P. Phosphoinositides regulate P2X4 ATP-gated channels through direct interactions. J Neurosci. 2008 **28**:12938-45 (cited GS: 99 times, WoS: 82 times). Impact Factor: 6.71.

2009 (VCU-Professor, 4 pubs, 193/153 citations)

62. Rusinova R, Shen A, Dolios G, Padovan J, Yang H, Kirchberger M, Wang R, Logothetis D. Mass spectrometric analysis reveals a functionally important PKA phosphorylation site in a Kir3 channel subunit. Pflugers Arch. 2009 **458**:303-14 (cited GS: 23 times, WoS: 18 times). Impact Factor: 3.78.

63. Epshtein Y, Chopra A, Rosenhouse-Dantsker A, Kowalsky G, Logothetis DE and Levitan I. Identification of a C-terminus domain critical for the sensitivity of Kir2.1 to cholesterol. PNAS U S A 2009 **106**:8055-60 (cited GS: 102 times, WoS: 83 times). Impact Factor: 12.78.

64. Geng X, Du XN, Rusinova R, Liu BY, Li F, Zhang X, Chen XJ, Logothetis DE, Zhang HL. Specificity of G$\beta\gamma$ signaling depends on G*a* subunit coupling with G-protein-sensitive K^+ channels. Pharmacology 2009 **84**:82-90 (cited GS: 9 times, WoS: 6 times). Impact Factor: 3.43.

65. Mo G, Bernier LP, Zhao Q, Chabot-Doré AJ, Ase AR, Logothetis D, Cao CQ, Séguéla P. Subtype-specific regulation of P2X3 and P2X2/3 receptors by phosphoinositides in peripheral nociceptors. Mol Pain 2009 **5**:47 (cited GS: 59 times, WoS: 46 times). Impact Factor: 3.77.

2010 (VCU-Professor, 6 pubs, 336/275 citations)

66. Lupyan D, Mezei M, Logothetis DE and Osman R. A molecular dynamics investigation of lipid

bilayer perturbation by PIP2. *Biophys. J.* 2010 **98**:240-7 (cited GS: 103 times, WoS: 81 times). Impact Factor: 4.03.

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10. Mirshahi T and Logothetis DE. GIRK channel trafficking: Different paths for different family

members. Molecular Interventions 2002, **2**:289-291. (cited GS: 15 times, WoS: 12 times)

2003 (MSSM-Professor, 1 pub, 25/5 citations)

11. Mirshahi T, Jin T, Logothetis DE. G$\beta\gamma$ and K_{ACh}: old story, new insights. 2003 Sci STKE. **192**:pe32. Perspective. (cited GS: 25 times, WoS: 5 times)

2005 (MSSM-Professor, 1 pub, No citations)

12. Logothetis DE and Sui J.L. Kir3.4. AfCS-Nature Molecule Pages 2005. (doi:10.1038/mp.a001334.01).

2007 (MSSM-Professor, 5 pubs, 333/275 citations)

13. Logothetis DE and Nilius B 2007. Dynamic changes in phosphoinositide levels control ion channel activity. Pflügers Arch. **455**:1-4 (cited GS: 16 times, WoS: 14 times). Impact Factor: 3.78.

14. Logothetis DE, Jin T, Lupyan D, and Rosenhouse-Dantsker A. 2007. Phosphoinositide-mediated gating of inwardly rectifying K^+ channels Pflügers Arch. **455**:83-96 (cited GS: 145 times, WoS: 118 times). Impact Factor: 3.78.

15. Logothetis DE, Lupyan D, and Rosenhouse-Dantsker A. 2007. Diverse Kir modulators act in close proximity to residues implicated in phosphoinositide binding J Physiol. **582**:953-65 (cited GS: 64 times, WoS: 51 times). Impact Factor: 6.23.

16. Rosenhouse-Dantsker A and Logothetis DE. 2007. Molecular characteristics of phosphoinositide binding Pflügers Arch. **455**:45-54 (cited GS: 83 times, WoS: 68 times). Impact Factor: 3.78.

17. Zhao Q, Logothetis DE, and Séguéla P. 2007. Regulation of ATP-gated P2X receptors by phosphoinositides Pflügers Arch. **455**:181-186 (cited GS: 25 times, WoS: 24 times). Impact Factor: 3.78.

2010 (VCU-Professor, 1 pub, 117/93 citations)

18. Logothetis DE, Petrou VI, Adney SK, Mahajan R. Channelopathies linked to plasma membrane phosphoinositides. Pflugers Arch. 2010 **460**:321-41 (cited GS: 117 times, WoS: 93 times). Impact Factor: 3.78.

2012 (VCU-Professor, 1 pub, 68/45 citations)

19. Rodriguez-Menchaca AA, Adney SK, Zhou L, and Logothetis DE. Dual regulation of voltage-sensitive ion channels by PIP_2. Front Pharmacol. 2012;**3**:170 (cited GS: 68 times, WoS: 45 times). Impact Factor: 5.51.

2013 (VCU-Professor, 1 pub, 1/2 citation)

20. Zhou L, Logothetis DE. The where and how of PIP regulation of cone photoreceptor CNG channels. J Gen Physiol. 2013 **141**(4):403-7 (*cited GS:* 1 *time,* WoS: 2 time*).* Impact Factor: 4.00.

2014 (VCU-Professor, 1 pub, 30/22 citations)

21. Hatcher-Solis C, Fribourg M, Spyridaki K, Younkin J, Ellaithy A, Xiang G, Liapakis G, Gonzalez-Maeso J, Zhang H, Cui M, Logothetis DE. G protein-coupled receptor signaling to Kir channels in Xenopus oocytes. Curr Pharm Biotechnol. 2014;**15**(10):987-95. (cited GS: 30 times, WoS: 22 times). Impact Factor: 2.56.

2015 (VCU-Professor, 4 pubs, 216/165 citations)

22. Mahajan R and Logothetis DE. Mechanism of G protein regulation of K^+ channels. Chapter 34 in "Handbook of Ion Channels" 2015. Edited by Jie Zheng and Matthew C. Trudeau. Published by Taylor and Francis Books, LLC. (cited GS: 1 time)

23. Logothetis DE, Petrou VI, Zhang M, Mahajan R, Meng XY, Adney SK, Cui M, Baki L. Phosphoinositide Control of Membrane Protein Function: A Frontier Led by Studies on Ion Channels. Annu Rev Physiol. 2015;**77**:81-104. (cited GS: 91 times, WoS: 79 times). Impact Factor: 22.16.

24. Logothetis DE, Mahajan R, Adney SK, Ha J, Kawano T, Meng X-Y, Cui M. Unifying Mechanism of Controlling Kir3 Channel Activity by G Proteins and Phosphoinositides Int Rev Neurobiol. 2015;**123**:1-26. (*cited GS:* 37 *times,* WoS: 30 times). Impact Factor: 3.23.

25. Ellaithy A, Younkin J, Gonzalez-Maeso J, and Logothetis DE. Positive Allosteric Modulators of Metabotropic Glutamate 2 Receptors in Schizophrenia Treatment Trends Neurosci. 2015 Aug;**38**(8):506-16. (cited GS: 87 times, WoS: 56 times). Impact Factor: 13.84.

2018 (NEU-Professor, 1 pub, 96/71 citations)

26. Ferré S, Bonaventura J, Zhu W, Hatcher-Solis C, Taura J, Quiroz C, Cai NS, Moreno E, Casadó-Anguera V, Kravitz AV, Thompson KR, Tomasi DG, Navarro G, Cordomí A, Pardo L, Lluís C, Dessauer CW, Volkow ND, Casadó V, Ciruela F, Logothetis DE, Zwilling D. Essential Control of the Function of the Striatopallidal Neuron by Pre-coupled Complexes of Adenosine A_{2A}-Dopamine D_2 Receptor Heterotetramers and Adenylyl Cyclase. Front Pharmacol. 2018 Apr 9;**9**:243. (cited GS: 96 times, WoS: 71 times). Impact Factor: 5.51.

2020 (NEU-Professor, 1 pub, 82/65 citations)

27. Ellaithy A, Gonzalez-Maeso J, Logothetis DA, Levitz J. Structural and Biophysical Mechanisms of Class C G Protein-Coupled Receptor Function. Trends Biochem Sci. 2020 Dec;**45**(12):1049-1064. (cited GS: 82 times, WoS: 65 times). Impact Factor: 9.59.

2021 (NEU-Professor, 1 pub, 30/22 citations)

28. Cui M, Cantwell L, Zorn A, Logothetis DE. Kir Channel Molecular Physiology, Pharmacology, and Therapeutic Implications. Handb Exp Pharmacol. 2021;**267**:277-356. (cited GS: 30 times, WoS: 22 times). Impact Factor: 0.316

2022 (NEU-Professor, 2 pubs, 59/44 citations)

29. Ferré S, Ciruela F, Dessauer CW, González-Maeso J, Hébert TE, Jockers R, Logothetis DE, Pardo L. G protein-coupled receptor-effector macromolecular membrane assemblies (GEMMAs).

Pharmacol Ther. 2022 Mar;**231**:107977. doi: 10.1016/j.pharmthera.2021.107977. Epub 2021 Sep 1. PMID: 34480967; PMCID: PMC9375844. (cited GS: 50 times, WoS: 37 times). Impact Factor: 13.4

30. Gada KD, Logothetis DE. PKC regulation of ion channels: The involvement of PIP_2. J Biol Chem. 2022 Jun;**298**(6):102035. doi: 10.1016/j.jbc.2022.102035. Epub 2022 May 16. PMID: 35588786; PMCID: PMC9198471. (cited GS: 9 times, WoS: 7 times). Impact Factor: 5.16.

2023 (NEU-Professor, 2 pubs, 7/5 citations)

31. Gada KD, Mahajan R and Logothetis DE. Mechanism of G protein regulation of K^+channels. Chapter 34 in "Handbook of Ion Channels" 2022, Second Edition. Edited by Jie Zheng and Matthew C. Trudeau. Published by Taylor and Francis Books, LLC.

32. Rosenhouse-Dantsker A, Gazgalis D, Logothetis DE. $PI(4,5)P_2$ and Cholesterol: Synthesis, Regulation, and Functions. Adv Exp Med Biol. 2023;**1422**:3-59. doi: 10.1007/978-3-031-21547-6_1. PMID: 36988876. (cited GS: 7 times, WoS: 5 times). Impact Factor: 2.09

Scientific Meetings / Abstracts (Last 10 years, 2013-2022)

2013

1. Rosenhouse-Dantsker A, Noskov S, Han H, Adney SK, Tang QY, Rodríguez-Menchaca AA, Kowalsky GB, Petrou VI, Osborn CV, Logothetis DE, Levitan I. 2013. Distant cytosolic residues in Kir channels control channel gating and modulation by cholesterol and PI(4,5)P2. Biophysical Journal, Fifty seventh annual meeting, Philadelphia, PA

2. Baki L, Eltit JM, Fribourg M, Younkin J, Park G, Vysotskaya Z, Sealfon SC, Liapakis G, Gonzalez-Maeso J, Logothetis DE. 2013. Functional crosstalk between mGluR2 and 5-HT 2A depends on their expression ratios. Biophysical Journal, Fifty seventh annual meeting, Philadelphia, PA

3. Tang QY, Zhang Z, Meng XY, Cui M, Logothetis DE. 2013. Identification of a novel PIP2 interaction site and its allosteric regulation by the RCK1 site associated with $Ca2^+$ coordination in Slo1 channels. Biophysical Journal, Fifty seventh annual meeting, Philadelphia, PA

4. Hatcher CN, Liapakis G, Logothetis DE. 2013. Characterizing the effect of A2AR-D2R Heteromeric complex formation on A2AR and D2R signaling. Biophysical Journal, Fifty seventh annual meeting, Philadelphia, PA

5. Meng X, Cui M, Logothetis DE. 2013. Simulations of the helix bundle crossing gate opening in Kir channels. Biophysical Journal, Fifty seventh annual meeting, Philadelphia, PA

6. Mahajan R, Ha J, Logothetis DE. 2013. Structural model of K^+ channel activation by the $\beta\gamma$ subunits of G-proteins ($G\beta\gamma$). Biophysical Journal, Fifty seventh annual meeting, Philadelphia, PA

7. Adney SK, Meng XY, Logothetis DE. 2013. Unique PIP2 sensitivity at a putative PKC site in

GIRK2 (Kir 3.2). 2013. Biophysical Journal, Fifty seventh annual meeting, Philadelphia, PA

8. Younkin J, Logothetis DE. 2013. Functional signaling changes resulting from GPCR heteromerization: relevance to psychosis. Biophysical Journal, Fifty seventh annual meeting, Philadelphia, PA
9. Rosenhouse-Dantsker A, Logothetis DE, Levitan I. 2013. Coupling between the N- and C-termini of Kir2.1 is critical for cholesterol modulation. Biophysical Journal, Fifty seventh annual meeting, Philadelphia, PA
10. Sundaram S, Yang C, Logothetis DE. 2013. Molecular basis of the blocking mechanism of inwardly rectifying channels by tertiapin. Biophysical Journal, Fifty seventh annual meeting, Philadelphia, PA.
11. Logothetis DE. 2013. Regulation of K channels by the G proteins (Gβγ) signaling system. Biophysical Journal, Fifty seventh annual meeting, Philadelphia, PA

2014

12. Baki L, Younkin J, Eltit J, Fribourg M, Park G, Vysotskaya Z, Logothetis DE. 2014. Cross-Signaling Between the Metabotropic Glutamate 2 Receptor and the Seratonin (5-HT) 2A Receptor in HEK-293 Cells. Biophysical Journal, Fifty eighth annual meeting, San Francisco, CA.
13. Leal-Pinto E, Ha J, Kawano T, Zhang M, Tang Q, Gomez-Llorente Y, Chavez J, Ubarretxena I, Logothetis DE. 2014. Requirement for an Activated G Protein Subunit for G Beta Gamma Activation of a Purified Mammalian GIRK1 Channel Reconstituted in Planar Lipid Bilayers. Biophysical Journal, Fifty eighth annual meeting, San Francisco, CA
14. Rosenhouse-Dantsker A, Noskov S, Durdagi S, Logothetis DE, Levitan I. 2014. Identification of Novel Cholesterol Binding Regions in the Transmembrane Domain of KIR2, 1. Biophysical Journal, Fifty eight annual meeting, San Francisco, CA.
15. Tang Q, Zhang Z, Meng X, Cui M, Logothetis DE. 2014. Calcium and PIP2 Interplay Regulates BK Channel Activity via the RCK1 Gating Ring. Biophysical Journal, Fifty eighth annual meeting, San Francisco, CA.
16. Zhang M, Cui M, Meng X, Zhang J, Logothetis DE. 2014. PIP2-Channel Interaction as a Critical Element in Regulation of SK Channel Activity. Biophysical Journal, Fifty eighth annual meeting, San Francisco, CA.
17. Zhang Z, Eltit JM, Tang Q, Subler M, Zhang FF, Xu J, Yu XL, Cao J, Logothetis DE. 2014. Pore-deleted Slo3 channel mutant disrupts alkanization-induced Ca^{2+} entry in mouse spermatozoa by controlling membrane potential. Biophysical Journal, Fifty eighth annual meeting, San Francisco, CA.

2015

18. Younkin J, Baki L, Ellaithy A, Logothetis DE. 2015. Allosteric effects of G-protein coupled

receptor heteromerization : Relevance to psychosis. Biophysical Journal, Fifty ninth annual meeting, Baltimore, MD.

19. Hatcher-Solis C, Logothetis DE. 2015. Pharmacological implications of A2AR-D2R heteromerization and the significance for Parkinson's disease. Biophysical Journal, Fifty ninth annual meeting, Baltimore, MD.

20. Baki L, Younkin J, Eltit JM, Fribourg M, Ellaithy A, Park G, Vysotskaya Z, Logothetis DE. 2015. Cross-signaling between the metabotropic glutamate receptor 2 and the serotonin 2A receptor in HEK-293 cells. Biophysical Journal, Fifty ninth annual meeting, Baltimore, MD.

21. Ellaithy A, Younkin J, Baki L, Logothetis DE. 2015. A positive allosteric modulator of the metabotropic glutamate 2 receptor alters 5-HT2A receptor signaling in a heteromeric complex. Biophysical Journal, Fifty ninth annual meeting, Baltimore, MD.

22. Xiang G, Logothetis DE. 2015. Signaling through homomeric and heteromeric dopamine D2 and cannabinoid CB1 receptors. Biophysical Journal, Fifty ninth annual meeting, Baltimore, MD.

2016

23. Xiang G, Kawano T, Baki A, and Logothetis DE. 2016. Decoding the signaling through homomeric and heteromeric dopamine D2 and Cannabinioid CB1 receptors. Biophysical Journal, Sixtieth annual meeting, Los Angeles, CA.

24. Kawano T, Baki A, Xiang G, and Logothetis DE. Construction of G alpha-16 chimeras for detection of GPCR activation. Sixtieth annual meeting, Los Angeles, CA.

25. Xu Y, Ellaithy A, and Logothetis DE. Positive allosteric modulators induced conformational changes in the metabotropic glutamate receptor 2 - in silico predictions and experimental tests. Sixtieth annual meeting, Los Angeles, CA.

26. Younkin J, Baki L, and Logothetis DE. Allosteric Effects of G-Protein Coupled Receptor Heteromerization: Relevance to Psychosis. Sixtieth annual meeting, Los Angeles, CA.

2017

27. Ren SX, Li JW, Zhang SH, Logothetis DE, An HL, Zhan Y. E224G Regulation of the PIP2-Induced Gating Kinetics of Kir2. 1 Channels. Chinese Physics Letters 34 (1), 016102

28. Xu Y, Ellaithy A, Kawano T, Gonzalez-Maeso J, Logothetis D. Ionic Lock: Functional Role in Activation of Metabotropic Glutamate Receptor 2 Biophysical Journal 112 (3), 530a

29. Ha J, Xu Y, Hendon T, Kawano T, Garai S, Thakur G, Papapetropoulos A, et al. Hydrogen Sulfide (H2S) Regulation of Kir (Inwardly Rectifying K+) Channels Biophysical Journal 112 (3), 226a-227a

30. Xu Y, Kawano T, Ha J, Garai S, Xiang G, Thakur G, Logothetis DE. Mechanism of Action of a Small Molecule Activator of Phosphoinositide-Dependent GIRK Channels Biophysical Journal 112 (3), 254a

31. Xiang G, Kawano T, Baki A, Logothetis D. Decoding the Signaling through Homomeric and Heteromeric Cannabinoid CB1 Receptors Biophysical Journal 112 (3), 88a

32. Tang QY, Liu Y, Xu Z, Zhang FF, Zhang FF, Li Y, Eltit JM, Logothetis DE, et al., Slo3 Channel is Essential for Fertilized Egg Development by Controlling Critical Molecules for Mitosis Biophysical Journal 112 (3), 405a

2018

33. Xiang G, Kawano T, Baki A, Logothetis D. Signaling through a mu-opioid–cannabinoid CB1 receptor heteromer, a novel analgesic target. 62nd annual meeting, San Francisco, CA.

34. Xu Y, Cantwell LN, Yang Y, Garai S, Kulkarni A, Kawano T, Thakur G, Logothetis D. Mechanism of selective action of a small molecule activator of phosphoinositide-dependent GIRK channels. 62nd annual meeting, San Francisco, CA.

2019

35. Xiang G, Baki L, Kawano T, Logothetis D. Modulation of mu-opioid receptor signaling by cannabinoid CB1 receptor through heteromerization, a novel analgesic target. 63rd annual meeting, Baltimore, MD.

36. Gada K, Xu Y, Kawano T, Plant LD, Logothetis DE. Modulation of GIRK channels by protein kinase C. 63rd annual meeting, Baltimore, MD.

37. Villalba-Galea CA, Kawano T, Logothetis DE. C-type inactivation in Kv2.1 channels. 63rd annual meeting, Baltimore, MD.

2020

38. Xu Y, Xiang G, Kawano T, Logothetis DE. Functional relevance of orthosteric binding site of 5-hydroxytryptamine 2A receptor and the mechanism of receptor activation. 64th annual meeting, San Diego, CA.

39. Yang Y, Hatcher-Solis CN, Papakonstantinou MP, Steiner AA, Kawano T, Plant LD, and Logothetis DE. Pharmacological implications of Adenosine 2A and dopamine type 2 receptor heteromerization. 64th annual meeting, San Diego, CA.

40. Gada K, Chandrashekhar A, Xu Y, Kawano T, Plant LD, Logothetis DE. Modulation of GIRK channels by protein kinase C and its role in atrial fibrillation. 64th annual meeting, San Diego, CA.

41. Chandrashekar A, Gada K, Xu Y, Kawano T, Plant LD, Logothetis DE. Modulation of a GIRK1 active mutant subunit by protein kinase C isoforms. 64th annual meeting, San Diego, CA.

42. Winn B, Kim C, Cui M, Manetsch R, Logothetis D. Unnatural amino acid receptor incorporation as a novel photoaffinity tool for GPCR heteromer signaling studies. 64th annual meeting, San Diego, CA.

2021

43. Gada K, Chandrashekhar A, Kawano T, Plant LD, Logothetis DE. PKC modulation by GIRK channels is involved in the pathophysiology of atrial fibrillation. 65th annual virtual meeting.

44. Winn B, Chungsik K, Cui M, Manetsch R, Logothetis DE. Photoaffinity labeled unnatural amino acid crosslinking stabilizes a trans-signaling conformation between the D2 - 5-HT_{2A} receptor heteromer. 65th annual virtual meeting.

45. Cui M, Alhamshari Y, Cantwell L, El-Haou S, Eptaminitaki CG, Chang M, Abou-Assali O, Tan H, Xu K, Masotti M, Plant LD, Thakur GA, Noujaim SF, Milnes J, Logothetis DE. Molecular mechanism of the potent benzopyran-G1 blocker of heteromeric G protein-gated potassium channels. 65th annual virtual meeting.

46. Cui M, Xu K, Ban M, Eptaminitaki CG, Logothetis DE. The novel small molecule 3hi2one-G4 selectively activates homomeric GIRK4 channels. 65th annual virtual meeting.

2022

47. Winn B, Kim C, Cui M, Manetsch R and Logothetis DE. Unnatural Amino Acid Receptor Incorporation as a Photoaffinity Tool for GPCR Heteromer Signaling Studies. 66th Annual Meeting, San Francisco, CA.

2023

48. Winn B, Manetsch R and Logothetis DE. Unnatural amino acid receptor incorporation as a photoaffinity tool for GPCR heteromers signaling studies. BPS 67th annual meeting, San Diego, CA, 2/19/2023.

2024

49. Vynichaki IM, Csanady L, Logothetis DE. Regulation of CFTR by the membrane phospholipid PIP_2. BPS 68th annual meeting, Philadelphia PA, 2/10/24.

2025

No work presented

TEACHING EXPERIENCE

NEU

(regular load: 22 SH per year)

2023- *PMCL 6250: Ion Channel Physiology and Pharmacology (Fall, 3SH)
2022- PHSC 1001: Introduction to Contemporary Pharmac. Sciences (Fall, 1SH)
2020-2023 PHSC 2100: Lab Research Rotation (Fall, 4SH)
2020- *PHSC 2400: Research Ethics for Begin. Hlth Scientists (Fall, 4SH)
2025- PHSC 6216: Human Physiol. and Pathophysiol. (Spring, 2 SH)

2020- *PHSC 6213: Ethical Problems in Hlth Sci Research (Spring, 2SH)
2017- PHSC 2650: Introduction to Health Science Research (Spring,4SH)
2017- *PHSC 5212: Research Skills & Ethics (Fall/Spring 2SH)
2018-2023 PHSC 6216: Human Physiol. and Pathophysiol. (Fall, 2 SH)
2017- PHSC 6300: Pharmac. Sci. Seminar (Fall/Spring, 1SH)

2017- PHMD 5600: Pharmacy Capstone (F/S 4 SH)
2017- Directed Study: Ion Channel and GPCR Research (PHSC 5976, PhD stud., F/S 1SH; PHSC 4992, BS stud., F/S 4SH)
2017- Special Topics in Pharmaceutical Sciences (PHSC 6314), PhD students, F/S 2SH
2017- PHSC 6810: Pharmac. Sci. Colloquium (Fall 1SH)
2017- PHSC 8940: Doctoral Training and Research (Fall, 1 SH)

* Serves as course director

U. Crete

2007 - Molecular Medicine Masters Program, University of Crete, Greece, (Lecturer, 20 hours – 1 week, Fall)

VCU

2014-2016 Physiology 301: Engaging in Undergraduate Research (Course Director, Spring)
2014-2015 Cellular Signaling (IBMS 635, lecturer, 2 lectures, 1 Journal Club, Spring – alternate even years)
2012-2016 Physiology 606: Cell, Molecular and Systems Physiology (Course co-director, Lecturer, Spring)
2010-2014 Physiology 512: ECG and Mechanisms of Disease (Course co-director, Lecturer, Spring)
2008-2016 Physiology 604: Cell, Molecular and Systems Physiology (Course co-director, Fall)
2008-2013 Physiology 612 – Cardiovascular Physiology (Lecturer, 2 lectures, Spring – alternate even years)
2008-2016 Neurosciences 609: Cellular and Molecular Neuroscience (Lecturer, 7 lectures, Fall)
2009-2015 Physiology 620: Ion Channels in Membranes (Lecturer, 5 lectures, Spring)
2009-2016 OVPR 610: Scientific Integrity (Case Facilitator, Fall)
2008-2014 Physiology 691-801: Physiology Research Seminar (Course co- director, Lecturer, Fall)
2008-2011 MEDI 117 – Medical Physiology Course (Lecturer, 4 lectures, Spring)

MSSM

2005-2006 Responsible Conduct in Research (Course Director, Lecturer)
2005-2006 Methods in the Biomedical Sciences (Course Director)
2004-2007 BSBB Core III Course (Lecturer, 2 lectures on Ion Channel Biophysics)
2004-2005 Cell Biology – Core II (Lecturer, 5-7 lectures)
2003-2005 Medical Physiology Course (Lecturer, 3 lectures on cardiac excitability)
2003-2004 Intro to Journal Club (Course Director)

2003-2004	Meet the Authors Seminars(Course Director)
2001-2004	Principles of Neurobiology I (Lecturer)
2001-2003	Medical Physiology (Course Director) A required course for first year medical students covering organ systems (Autonomic Nervous, Cardiovascular, Respiratory, Gastrointestinal, Renal, Reproductive and Endocrine). The course involved 106 students, 28 faculty and 7 teaching assistants. New initiatives incorporated: Laboratories in cardiovascular and respiratory physiology, organization of the endocrine block of the course, power point presentations with corresponding handouts for note taking for all lectures, Web based organization of all aspects of the course, including detailed on line evaluations.
2001-2003	Molecules and Cells Course (Lecturer) Seven lectures on Membrane Ion Transport and Cellular Excitability.
2000-2003	Cell Physiology for Medical Students (Component Director) in Molecules & Cells Block.
1999-2004	Cell Biology – Core II (Course director) A required course for first year graduate students covering cell membranes and membrane proteins, electrical and chemical signaling via membrane proteins, intracellular compartments, protein sorting and vesicular traffic, cytoplasmic signaling, cytoskeleton, cell-matrix interactions, cell cycle, fertilization, development, differentiation, cancer, apoptosis and immunology, MSSM.
1997-1998	Lecturer (Lecture on Membrane Delimited Signaling), Albert Einstein School of Medicine, Neuroscience Course, (Course Director: Thadeus Bargiello).
1996-1998	Medical Sciences and Technology Program, Physiology Journal Club, MSSM
1995	Course Director of Ion Channels Graduate Level Course, (since 1998 co-directed course with Vladimir Brezina), MSSM

HMS

1994-2003	Lab Co-director in Cardiovascular Patholphysiology (HST-090), Health Sciences & Techonology, MIT and HMS Joint Program.
1993-2002	Lecturer and Cardiovascular lab Director, first year physiology course, MSSM.
1993-1995	Cardiovascular lab director in Metabolism and Function Course (first year), HMS.
1987-1993	Lecturer, Conference leader, Tutorial leader in Metabolism and Function course at HMS
1983-1993	Organized and ran Physiology laboratories for first year medical students at HMS; Conference leader in Physiology course.
1981-1983	Assisted in preparation and teaching of Physiology laboratories at HMS.

NEU

1981	Teaching Assistant, Department of Psychology, Northeastern University, introduction to Psychology for undergraduates.

SERVICE ACTIVITIES

SERVICE TO THE PROFESSION

GRANT REVIEWER

2022	ZRG1 BCMB-G (02) Special Emphasis Panel for Membrane Biochemistry and Biophysics. Chair. SRO: Sergei Ruvinov. February 2022.
2022	ZRG1 MBBC-K (55) Rare GPCRs, ICs, PKs, November 2022
2021	ZRG1 MDCN-F(05) Special Emphasis Panel (Molecular, Cellular, and Developmental Neuroscience), December 2021
2019	NIH Fellowship applications, Adhoc member, Biological Chemistry and Macromolecular Biophysics (BCMB), June 2019; November 2019, July 2021, December 2021
2017-	NIH, Experimental and Bioinformatic approaches in the Druggable Genome, Special Emphasis Panel/Scientific Review Group, ZRG1 GGG-D (50), June 2017; March 2019; October 2020
2014	Human Brain Project, Review Panel Member, European Union, London, UK
2010-2014	National Institutes of Health, NHLBI, Regular member and co-chair of Electrical Signaling, Ion Transport, and Arrhythmias Study Section
2005-2009	National Institutes of Health/General Medicine (Permanent member – Training Grants BRT-B and BRT-A study sections)
2004	National Institutes of Health/ Biophysics of Synapses, Channels and Transporters (BSCT) Study Section (Ad hoc member)
2000-2005	Welcome Trust Foundation, UK
1998-2000	National Science Foundation, Neuronal and Glial Mechanisms (Ad hoc member)
1993-2000	Israel Science Foundation
1994-2010	Northeast American Heart Association (regular member, Vice Chair in 2002-2004)
1993-2010	National Institutes of Health/National Heart, Lung and Blood Institute (Ad hoc member)

JOURNAL REVIEWER

Editorial Board Member

2007-	Journal "Channels"
2015-	Journal of Biological Chemistry
2007-2021	European J. of Physiology (Pflugers Archives)

Executive Editor

2007	European Journal of Physiology, Pflugers Archives Special Issue on "Regulation of Ion Channels by Phosphoinositides"
2016	Cellular Physiology and Biochemistry Special Issue on "Physiological Mechanisms: 30 years of pursuit influenced by David Clapham"

Reviewer (Ad hoc)

Nature, Nature Cell Biology, Nature Neuroscience, Nature Chemical Biology, Nature Communications, Nature Protocols, Cell, Neuron, Molecular Cell, iScience, Science Signaling, Science Advances, Proceedings of the National Academy of Science (USA), EMBO Journal, Molecular Pharmacology, PloS1, eLife, Journal of American Chemical Society, Journal of Cell Biology, Journal of General Physiology, Journal of Physiology (London), Biophysical Journal, Journal of Biological Chemistry, Biochemistry, Journal of Neuroscience, Circulation Research, Brain Research, Communications Biology, Toxicology and Applied

Pharmacology.

CONSULTANT

1997-2001	CeNeS Pharmaceuticals, Inc.: Advisor on K^+ channel blocker development project
2015-2016	Altria - ALCS, Center for Research & Technology: Bitter taste assays
2023-	SparingVision, Advisor and collaborator on GIRK1(F137S) expression in the retina to treat blindness conditions as retinitis pigmentosa

SERVICE TO UNIVERSITY

University/College/School

NEU

2024-	Chair of Academic and Professional Standing Committee (SOPPS)
2023-	Junior Faculty Mentor (BCHS)
2023-2024	Member of Bouve College Research Mentor Program for Junior Faculty
2022-2023	Member of Bouve College Research Committee
2022-2023	Chair of Search Committee for Center for Drug Discovery positions (four)
2022-2023	Member of Search Committee for one faculty in Healthy Aging
2022-2023	Member of Search Committee for one faculty in Drug Delivery
2020-2021	Chair of Search Committee for School of Pharmacy Dean
2019-2020	Chair of Faculty Council to the Bouvé College Dean
2019-2020	Member of Bouvé Leadership Team
2018-2020	Member of the Bouvé Research Committee
2016-2020	Member of Curriculum Committee of the School of Pharmacy
2016-2017	Member of the Executive Committee of the School of Pharmacy
2017-2018	Board member of University Cores Oversite Committee

VCU

2013-2015	Chair, Steering Committee of KL2 Scholars Program
2009-2016	Assistant Director of MD/PhD Program
2008-2016	Steering Committee Member of MD/PhD Program (VCU)
2008-2016	Director of Xenopus Oocyte Core Facility
2011	Search Committee for Neurosurgery Faculty
2009	Search Committee Member for Chair of Internal Medicine 2009 Search Committee Member for Director of the Institute for Structural Biology and Drug Design
2009	Committee on School of Medicine Salary Policy (VCU)
2008-2009	Chair of Graduate Programs Review Committee – Reviewed all Graduate and Certicficate Programs in the School of Medicine and made recommendations for improvements to the Dean.

MSSM

2006	Oversight Committee for the planning of a Translational Research Building (MSSM)
2005	Task Force charged by the Dean of Research to evaluate institutional needs of facilities in existing buildings
2003-2006	Dean's Senior Management Committee
2002-2007	Ad Hoc Member of Appointments and Promotions Committee
2002-2007	Member of the selection committee for the Dean's Seminar series
2002-2003	Special Awards and Grants Committee
2001-2003	Member of Executive Curriculum Committee (Medical School)
2001	Education Center Technology Committee

2000-2001	Member of the Graduate Student Recruitment Committee (International Students)
1999-2000	Member of the Advisory Committee to the Peptide Synthesis Core
1999-2000	Member of the Translational Facility Faculty Workgroup
1999-2000	Member of the Evaluation of Teaching for Medical Education
1999-2000	Member of the Year 1 Curriculum 2000 Committee for Medical Education
1999-2007	Member of the Faculty Disciplinary Tribunal Committee
1999-2003	Elected to Graduate School Executive Committee
1998-2000	Member of Search Committee for Chair of the Molecular Biology and Biochemistry Department
1998	Member of Advisory Committee to the Dean on Neuroscience Program at Mount Sinai
1998	Chair of Anatomy/Embryology/Physiology/Histology Curriculum Subcommittee
1998	Member of Curriculum 2000 Committee for Medical Education
1998-2000	Member of Shared Facilities Committee
1995-2007	Interviewer for the Biomedical Sciences Doctoral Program
1994-2007	Graduate School Curriculum Committee
1995-2007	Interviewer of incoming students for the Medical Program
1994-2002	Director of *Xenopus* Oocyte Core Facility

Department

NEU

2025-	Chair of Tenure and Promotion Committee
2018-	Merit Review Committee
2019-2022	Member of the Graduate Committee in Pharmaceutical Sciences & Advisor for Biomedical Sciences concentration
2016-2019	Chair of the Graduate Committee and director of the Graduate Program in Pharmaceutical Sciences
2016-2019	Director of new direct entry BS in Pharmaceutical Sciences program
2016-2017	Chaired Department of Pharmaceutical Sciences
2016-2017	Directed Department of Pharmaceutical Sciences Seminar Series
2016-2017	Organized and ran biweekly Pharmaceutical Sciences Faculty presentations of unpublished data

VCU

2008-2016	Chair of Physiology and Biophysics
2010-2012	Interim Director of Graduate Program in Physiology and Biophysics

MSSM

2002-2006	Member of Senior Faculty Leadership Committee 2002-2007
2002-2006	Member of Departmental Appointments & Promotions Committee
2002-2004	Chair of Departmental Seminar Committee
1999-2000	Member of Search Committee for Integrative Physiology faculty positions
1998-2001	Ad hoc member of Departmental Appointments & Promotions Committee
1998-1999	Member of Instrumentation Committee
1997-1999	Member of Departmental Seminar and Colloquia Committee
1996-1999	Member of Senior Faculty Committee Advisory to the Chairman
1995-1998	Co-Chairman of Instrumentation Committee
1995-1997	Chair of Departmental Seminar Committee 1993-1995 Member Departmental Brochure Committee
1993-2007	Member of Medical Physiology Teaching Committee

SUMMARY

Diomedes Logothetis was born and raised in Greece, where he received his secondary education, before moving to the United States to attend Northeastern University (NEU). At NEU he studied Physics (BA) and Experimental Psychology (MA), where he was introduced to psychophysical research in Michael Terman's laboratory. He studied Physiology and Biophysics at Harvard Medical School (HMS) under the mentorship of David Clapham.

His dissertation research revealed that the $\beta\gamma$ subunits of GTP-binding (G) proteins could activate potassium channels, offering the first example that the G$\beta\gamma$ dimer was capable of signaling. His postdoctoral work introduced him to voltage-gated channels under the guidance of Peter Hess and under Bernardo Nadal-Ginard to molecular biology to pursue structure-function studies on ion channels. In 1993, he was recruited to his first tenure-track faculty position in Physiology and Biophysics at Mount Sinai School of Medicine in New York City by Harel Weinstein. There, he rose through the ranks to Associate Professor in 1997 and to Full Professor with tenure in 2002. His work on the molecular mechanism by which phosphatidylinositol bis-phosphate (PIP_2) regulates the activity of ion channels has been recognized by the ion channel community, securing continuous funding for the past 26 years from the National Institutes of Health (NIH).

In 2002 he assumed the position of Dean of the Graduate School of Biological Sciences and Director of the MD/PhD program at Mount Sinai, positions he held for four years, before he was recruited by Jerry Strauss in 2008 to Virginia Commonwealth University (VCU) in Richmond to chair the Department of Physiology and Biophysics. Logothetis attempted to marry structural biology and physiology by recruiting talented faculty interested in understanding function in molecular terms. Within five years, the NIH funding of his department increased to levels that ranked it in the top 40 in the country. In 2016, with Strauss' retirement from the Deanship of the VCU School of Medicine, he decided to return to his alma matter NEU to pursue structure-based drug discovery. His laboratory uses both computational and experimental tools. In 2019 he joined the Center for Drug Discovery (CDD) and in 2021 he affiliated with the Roux Institute of Northeastern in Portland, Maine. In 2023 he launched a start-up company, GRIK Therapeutics, to target rare forms of epilepsy with his co-founder Stelios Smirnakis (Brigham & Women's Hospital of Harvard Medical School), and his PhD student Andrew Zorn as the CEO. Drugs targeting the G protein gated K^+ (GIRK) channels could be applied in diverse indications, such as rare epilepsies (focus of GRIK Tx) and applications in pain/addiction, atrial fibrillation and stroke, and post-traumatic stress disorder.

As of 2023, Logothetis had published over 125 original and 30 review papers in high impact journals that have been well received (h-index 58-68) and over the years he has been invited to give seminars nationally and internationally. He has received steady support (by federal sources and non-profit foundations) and has attracted many talented scientists to train with him (over 35 postdocs, 35 Ph.D. students, 55 M.S. students and over 70 undergrads). Throughout his career he has served in over 85 Ph.D. advisory committees and 50 PhD examining committees of students other than his own. Having taught or directed over 50 different courses in Physiology, Ion channels, Undergraduate Research, and Research Ethics he aims to infect students with his enthusiasm for research. Students have honored him four times with "Excellence in Teaching Awards" [HMS (1), Mount Sinai (2), Northeastern (1)] and two "Outstanding Mentor" awards (Mount Sinai and VCU). He has served his profession and institutions throughout his career through multiple committees, often chairing them, upholding the highest standards in research, education and service.

Logothetis believes that the field of science, in its pursuit of knowledge, serves as an excellent model where "equal" teammates can pursue answers to most questions with humility and honesty. He aims to apply the scientific approach to societal problems and his advanced Research Ethics class engages students in this approach (PHSC 6213). In his sabbatical leave in 2024, he explored ways to bring science to people and plans to devote significant time starting in 2025 doing so.