



CURRICULUM VITAE

Janos Paloczi, MSc PhD

Date: 09/22/2026

School: LSU, SOM

Department/Program: Physiology

Current Title: Assistant Professor

Business Address: Louisiana State University Health Sciences Center
 Department of Physiology
 533 Bolivar Street, Room 309
 New Orleans, LA 70112

Business Telephone: (504) 568-6197

Business email Address: jpaloc@lsuhsc.edu

Initial Appointment at LSUHSC Date: 07/01/2023

Current Academic Rank: Assistant Professor on Tenure Track

Date of Appointment to Current Rank: 07/01/2023

Military Service:

Education:

Undergraduate

2002-2006 B.Sc., Teacher of Biology and Environmental protection
 College of Nyiregyhaza, Nyiregyhaza, Hungary

2006-2009 M.Sc., Teacher of Biology
 University of Debrecen, Debrecen, Hungary

2006-2009 M.Sc., Molecular Biology/Medical Biology
 University of Debrecen, Debrecen, Hungary

Graduate/medical

2012-2015 Ph.D., Biochemistry, Biophysics, Molecular and Cell Biology
 University of Szeged, Szeged, Hungary

Post-doctoral fellowships

2015-2021 Postdoctoral Fellow, Laboratory of Cardiovascular Physiology and Tissue Injury, National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism, Bethesda, Maryland, USA

Other

2021-2023 Research Fellow, Laboratory of Cardiovascular Physiology and Tissue Injury, National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism, Bethesda, Maryland, USA

Certification:

Licensure:

Academic, Professional, and Research Appointments:

2009-2012 Research Scientist, Subhead of the *in vivo* lab of Cardiovascular Research Group, Department of Biochemistry, Faculty of Medicine, University of Szeged, Szeged, Hungary

2023-Present Tenure-Track Assistant Professor, Department of Physiology LSU Health Sciences Center, New Orleans, LA, USA

Awards and Honors:

2012 Publication award from the Gedeon Richter Plc. Centenary Foundation

2013 *Pro Talents* publication award from the University of Szeged, Szeged, Hungary

2013-2014 National Excellence Program, Apáczai Fellowship from the European Union, and the Government of Hungary

2014 *Pro Talents* bronze award from the University of Szeged, Szeged, Hungary

2015 *Pro Talents* golden award from the University of Szeged, Szeged, Hungary

2015 Campus Hungary Fellowship: funding for a short-term research program at the University Medical Center Hamburg-Eppendorf, University of Hamburg, Hamburg, Germany.

2017 Fellows' Award for Research Excellence (FARE) from the National Institutes of Health

Teaching Awards:

TEACHING EXPERIENCE AND RESPONSIBILITIES

Course/Clerkship/Residency or Fellowship/CME Directorships:

Curriculum Development/Implementation:

Creation of Enduring Teaching Materials:

Formal Course Responsibilities

2010-2015	Biochemistry lab for undergraduate medical students (two-semester courses, 2×50 min weekly; University of Szeged, Szeged, Hungary)
Fall 2023	Human Physiology for Undergraduate Nursing Students (HLSC 2410): lectures on the Vasculature- Regulation of Microcirculation and Vasculature-Capillary Fluid Exchange (2 x 50 min).
Fall 2023	Graduate course on Cardiovascular Pathophysiology and Cardiometabolic Disorders: lectures on the cardiovascular effects of alcohol misuse (2 x 50 min).
Fall 2023-	Team Up, 2023 Cohort: instructor
2024-	Mentoring Undergraduate Students for Excellence in Scholarship (MUSES) Program: mentor.
Spring 2024	Pathophysiology for Undergraduate Nursing Students (HLSC 3410): lecture on the Disorders of Cardiovascular Function and Coronary Artery Disease & Heart Failure (2 x 50 min).
Summer 2024	Tiger Scholars Summer Physiology: lectures on Cardiovascular Physiology (2 x 50 min).
Fall 2024	Human Physiology for Undergraduate Nursing Students (HLSC 2410): lectures on the Vasculature- Regulation of Microcirculation and Vasculature-Capillary Fluid Exchange (2 x 50 min).
Fall 2024	Human Physiology for Undergraduate Nursing Students (HLSC 2410): lecture on the Electrical Activity of the Heart (50 min).
Fall 2024	Human Physiology for Undergraduate Nursing Students (HLSC 2410): lectures on Regulation of Mean Arterial Pressure and Review (2 x 50 min).

Spring 2025	Pathophysiology for Undergraduate Nursing Students (HLSC 3410): lecture on the Disorders of Cardiovascular Function and Coronary Artery Disease & Heart Failure (2 x 50 min).
Spring 2025	Human Physiology for Undergraduate Nursing Students (HLSC 2410): lecture on the Electrical Activity of the Heart (50 min).
Spring 2025	Human Physiology for Undergraduate Nursing Students (HLSC 2410): lectures on the Vasculature- Regulation of Microcirculation and Vasculature-Capillary Fluid Exchange (2 x 50 min).
Spring 2025	Human Physiology for Undergraduate Nursing Students (HLSC 2410): lectures on Regulation of Mean Arterial Pressure and Review (2 x 50 min).
Fall 2025	Pathophysiology for Undergraduate Nursing Students (HLSC 3410): lecture on the Disorders of Cardiovascular Function and Coronary Artery Disease & Heart Failure (2 x 50 min).
Fall 2025	Human Physiology for Undergraduate Nursing Students (HLSC 2410): lecture on the Electrical Activity of the Heart (50 min).
Fall 2025	Human Physiology for Undergraduate Nursing Students (HLSC 2410): lectures on the Vasculature- Regulation of Microcirculation and Vasculature-Capillary Fluid Exchange (2 x 50 min).
Fall 2025	Human Physiology for Undergraduate Nursing Students (HLSC 2410): lectures on Regulation of Mean Arterial Pressure and Review (2 x 50 min).
Spring 2026	Pathophysiology for Undergraduate Nursing Students (HLSC 3410): lecture on the Disorders of Cardiovascular Function and Coronary Artery Disease & Heart Failure (2 x 50 min).
Spring 2026	Pathophysiology for Undergraduate Nursing CARE Students (HLSC 3410): lecture on the Disorders of Cardiovascular Function and Coronary Artery Disease & Heart Failure (2 x 50 min).
Spring 2026	Integrated systems-II (BIOMED 121): lectures on cardiovascular physiology for graduate students (5 x 50 min).

Departmental/Interdisciplinary Teaching Conferences

2019	"Cannabis: Curse or Cure" Journal Club, NIH/NIAAA: Developed and organized a comprehensive educational resource for undergraduate and post-baccalaureate interns on endocannabinoid signaling, cannabinoid receptor crystal structures and pharmacology, and effects of plant-derived cannabinoids.
Fall 2024	19 th ADACE Scientific Retreat: member of the organizing committee. The theme of the retreat: "Cannabis: Curse or Cure"
Spring 2025	Journal Club for graduate students (BIOMED 151): discussion on the ins and outs of manuscript submission (50 min).
Spring 2026	Journal Club for graduate students (BIOMED 151): discussion on the ins and outs of manuscript submission (50 min).

Undergraduate, Medical, or Graduate Student Research Projects:

Graduate Students

2024–present	Meagan E. Donovan, Graduate Student, Department of Physiology, LSU-HSC, major research advisor.
--------------	---

Undergraduate Students

2016-2017	Polina Satsskaya (NIH/NIAAA undergraduate intern), major research advisor
Summer 2018	David Holovac (NIH/NIAAA summer intern), major research advisor
2018-2019	Cody Savage (NIH/NIAAA post-baccalaureate), major research advisor
2023–2024	Sarah E. Cohen, MUSES Undergraduate Program, LSU-HSC, major research advisor.
2025–2026	Spencer Protti, MUSES Undergraduate Program, LSU-HSC, major research advisor.

2026: Taj Oberhelman, NSF-REU Summar Program for Undergraduates, major research advisor.

Medical students

2010-2015	Mate Bedo (Department of Biochemistry, University of Szeged, Szeged, Hungary), major research advisor
2011-2015	Tamas Riesz (Department of Biochemistry, University of Szeged, Szeged, Hungary), major research advisor
2011-2015	Janos Pigler (Department of Biochemistry, University of Szeged, Szeged, Hungary), major research advisor
2013-2015	Anna Hegedus (Department of Biochemistry, University of Szeged, Szeged, Hungary), major research advisor
2013-2015	Ernesto Ruivo (Department of Biochemistry, University of Szeged, Szeged, Hungary), major research advisor
2026	Tiffany Nguyen, (Tulane University) Summar Program for Medical Student, major research advisor.

Formal Mentoring and Advisor:

2014-2016	Bettina Kiss (PhD degree thesis research project co-supervisor, Department of Biochemistry, University of Szeged, Szeged, Hungary).
-----------	---

Thesis, Clinical Doctoral Projects, and/or Dissertation Committees:

2023-present	Stephany Lee, Graduate Student, Department of Physiology, LSU-HSC, Dissertation Committee member.
2024-present	Nicolas Harris, Graduate Student, Department of Physiology, LSU-HSC, Dissertation Committee member.
2025-present	Nour Abbes, Graduate Student, Department of Pharmacology, LSU-HSC, Dissertation Committee member.

Post-Doctoral or Post-Residency Fellows Trained:

RESEARCH AND SCHOLARSHIP

Grants and Contracts

2023-2027 *title:* The Role of Gut-Heart Axis in Acute Alcohol Intoxication-Induced Adverse Cardiovascular Events
funding agency: NIH/NIAAA
 Principal Investigator (75% effort), R00AA028300
direct costs: \$500,000 for 3 years

Funded

Pending funding

2026-2031: *title:* The Role of Combined Delta-6-tetrahydrocannabinol (THC) and Ethanol Exposure in Impairing Cerebrovascular Function in Young Adults
funding agency: NIH/NIAAA
 Principal Investigator (50% effort), R01AA033641
direct costs: \$1,932,000 for 5 years

Recent non-funded applications

2026-2031: *title:* The Role of Alcohol Consumption in Amplifying Age-related Memory Deficits Through Worsening Cerebrovascular Function (resubmission)
funding agency: NIH/NIAAA
 Principal Investigator (50% effort), R01AA032484
direct costs: \$1,729,000 for 5 years

Major Area of Research Interest:

The complex interplay among endocannabinoid signaling and cardiovascular and cerebrovascular dysfunction associated with alcohol misuse. My research employs transgenic mouse models, *in vivo* hemodynamic measurements (echocardiography, pressure-volume catheterization), and molecular analysis (qRT-PCR, LC/MS/MS, spatial transcriptomics) to elucidate mechanisms of alcohol-induced cardiac and vascular dysfunction and identify cannabinoid-based therapeutic targets.

Journal Publications:

Refereed

Published:

1. Kocsis GF, Sárközy M, Bencsik P, Pipicz M, Varga ZV, **Pálóczi J**, Csonka C, Ferdinandy P, Csont T. Preconditioning protects the heart in a prolonged uremic condition. **Am J Physiol Heart Circ Physiol.** 2012;**303**(10):H1229-36. **Impact factor: 4.1**
2. Monostori P, Kocsis GF, Ökrös Z, Bencsik P, Czétényi O, Kiss Z, Gellén B, Bereczki

Revised: August 2024

- C, Ocsovszki I, Pipis J, **Pálóczi J**, Sárközy M, Török S, Varga IS, Kiss I, Fodor E, Csont T, Ferdinandy P, Túri S. Different administration schedules of darbepoetin alfa affect oxidized and reduced glutathione levels to a similar extent in 5/6 nephrectomized rats. **Clin Exp Nephrol.** 2013;17(4):569-74. **Impact factor: 1.7**
3. Szűcs G, Murlasits Z, Török S, Kocsis GF, **Pálóczi J**, Görbe A, Csont T, Csonka C, Ferdinandy P. Cardioprotection by farnesol: role of the mevalonate pathway. **Cardiovasc Drugs Ther.** 2013;27(4):269-77. **Impact factor: 3.3**
 4. Varga ZV, Kupai K, Szűcs G, Gáspár R, **Pálóczi J**, Faragó N, Zvara A, Puskás LG, Rázga Z, Tiszlavicz L, Bencsik P, Görbe A, Csonka C, Ferdinandy P, Csont T. MicroRNA-25-dependent up-regulation of NADPH oxidase 4 (NOX4) mediates hypercholesterolemia-induced oxidative/nitrative stress and subsequent dysfunction in the heart. **J Mol Cell Cardiol.** 2013;62:111-21. **Impact factor: 4.9**
 5. Görbe A, Varga ZV, **Pálóczi J**, Rungarunlert S, Klincumhom N, Pirity MK, Madonna R, Eschenhagen T, Dinnyés A, Csont T, Ferdinandy P. Cytoprotection by the NO-donor SNAP against ischemia/reoxygenation injury in mouse embryonic stem cell-derived cardiomyocytes. **Mol Biotechnol.** 2014;56(3):258-64. **Impact factor: 2.5**
 6. Csonka C, Kupai K, Bencsik P, Görbe A, **Pálóczi J**, Zvara A, Puskás LG, Csont T, Ferdinandy P. Cholesterol-enriched diet inhibits cardioprotection by ATP-sensitive K⁺ channel activators cromakalim and diazoxide. **Am J Physiol Heart Circ Physiol.** 2014;306(3):H405-13. **Impact factor: 4.1**
 7. Bencsik P[&], **Pálóczi J**[&], Kocsis GF, Pipis J, Beleczi I, Varga ZV, Csonka C, Görbe A, Csont T, Ferdinandy P. Moderate inhibition of myocardial matrix metalloproteinase-2 by ilomastat is cardioprotective. **Pharmacol Res.** 2014;80:36-42. **Impact factor: 10.5**
&denotes equal contributions
 8. Barlaka E, Görbe A, Gáspár R, **Pálóczi J**, Ferdinandy P, Lazou A. Activation of PPAR β/δ protects cardiac myocytes from oxidative stress-induced apoptosis by suppressing generation of reactive oxygen/nitrogen species and expression of matrix metalloproteinases. **Pharmacol Res.** 2015;95-96:102-10. **Impact factor: 10.5**
 9. Görbe A, Eder A, Varga ZV, **Pálóczi J**, Hansen A, Ferdinandy P, Eschenhagen T. Protection by the NO-Donor SNAP and BNP against Hypoxia/Reoxygenation in Rat Engineered Heart Tissue. **PLoS One.** 2015;10(7):e0132186. **Impact factor: 2.6**
 10. Kiss K, Fekete V, **Pálóczi J**, Sárközy M, Murlasits Z, Pipis J, Kheyfets IA, Dugina JL, Sergeeva SA, Epstein OI, Csonka C, Csont T, Ferdinandy P, Bencsik P. Renin-Angiotensin-Aldosterone Signaling Inhibitors-Losartan, Enalapril, and Cardosten-Prevent Infarction-induced Heart Failure Development in Rats. **Altern Ther Health Med.** 2016;22(2):10-7. **Impact factor: 1.7**
 11. Matyas C, Varga ZV, Mukhopadhyay P, **Paloczi J**, Lajtos T, Erdelyi K, Nemeth BT, Nan M, Hasko G, Gao B, Pacher P. Chronic plus binge ethanol feeding induces myocardial oxidative stress, mitochondrial and cardiovascular dysfunction, and steatosis. **Am J Physiol Heart Circ Physiol.** 2016;310(11):H1658-70. **Impact factor: 4.9**

12. **Pálóczi J**, Varga ZV, Apáti Á, Szabéni K, Sarkadi B, Madonna R, De Caterina R, Csont T, Eschenhagen T, Ferdinandy P, Görbe A. Exogenous Nitric Oxide Protects Human Embryonic Stem Cell-Derived Cardiomyocytes against Ischemia/Reperfusion Injury. **Oxid Med Cell Longev.** 2016;2016:4298945. **Impact factor: 7.3**
13. Kiss K, Csonka C, **Pálóczi J**, Pipis J, Görbe A, Kocsis GF, Murlasits Z, Sárközy M, Szűcs G, Holmes CP, Pan Y, Bhandari A, Csont T, Shamloo M, Woodburn KW, Ferdinandy P, Bencsik P. Novel, selective EPO receptor ligands lacking erythropoietic activity reduce infarct size in acute myocardial infarction in rats. **Pharmacol Res.** 2016;113(Pt A):62-70. **Impact factor: 10.5**
14. Mukhopadhyay P, Horváth B, Rajesh M, Varga ZV, Gariani K, Ryu D, Cao Z, Holovac E, Park O, Zhou Z, Xu MJ, Wang W, Godlewski G, **Paloczi J**, Nemeth BT, Persidsky Y, Liaudet L, Haskó G, Bai P, Boulares AH, Auwerx J, Gao B, et al. PARP inhibition protects against alcoholic and non-alcoholic steatohepatitis. **J Hepatol.** 2017;66(3):589-600. **Impact factor: 33.0**
15. Petrucci V, Chicca A, Glasmacher S, **Paloczi J**, Cao Z, Pacher P, Gertsch J. Pepcan-12 (RVD-hemopressin) is a CB2 receptor positive allosteric modulator constitutively secreted by adrenals and in liver upon tissue damage. **Sci Rep.** 2017;7(1):9560. **Impact factor: 3.9**
16. Varga ZV, Matyas C, **Paloczi J**, Pacher P. Alcohol Misuse and Kidney Injury: Epidemiological Evidence and Potential Mechanisms. **Alcohol Res (ARCR).** 2017;38(2):283-288. **Impact factor: 6.8**
17. Boengler K, Bencsik P, **Pálóczi J**, Kiss K, Pipicz M, Pipis J, Ferdinandy P, Schlüter KD, Schulz R. Lack of Contribution of p66shc and Its Mitochondrial Translocation to Ischemia-Reperfusion Injury and Cardioprotection by Ischemic Preconditioning. **Front Physiol.** 2017;8:733. **Impact factor: 3.4**
18. Varga ZV, Matyas C, Erdelyi K, Cinar R, Nieri D, Chicca A, Nemeth BT, **Paloczi J**, Lajtos T, Corey L, Haskó G, Gao B, Kunos G, Gertsch J, Pacher P. β -Caryophyllene protects against alcoholic steatohepatitis by attenuating inflammation and metabolic dysregulation in mice. **Br J Pharmacol.** 2018;175(2):320-334. **Impact factor: 7.7**
19. Jourdan T, Park JK, Varga ZV, **Pálóczi J**, Coffey NJ, Rosenberg AZ, Godlewski G, Cinar R, Mackie K, Pacher P, Kunos G. Cannabinoid-1 receptor deletion in podocytes mitigates both glomerular and tubular dysfunction in a mouse model of diabetic nephropathy. **Diabetes Obes Metab.** 2018;20(3):698-708. **Impact factor: 6.4**
20. **Paloczi J**, Varga ZV, Haskó G, Pacher P. Neuroprotection in Oxidative Stress-Related Neurodegenerative Diseases: Role of Endocannabinoid System Modulation. **Antioxid Redox Signal.** 2018;29(1):75-108. **Impact factor: 6.3**
21. Schreckenberger R, Bencsik P, Weber M, Abdallah Y, Csonka C, Gömöri K, Kiss K, **Pálóczi J**, Pipis J, Sárközy M, Ferdinandy P, Schulz R, Schlüter KD. Adverse Effects on β -Adrenergic Receptor Coupling: Ischemic Postconditioning Failed to Preserve Long-Term Cardiac Function. **J Am Heart Assoc.** 2017;6(12). **Impact factor: 5.3**
22. Varga ZV[&], Erdelyi K[&], **Paloczi J[&]**, Cinar R, Zsengeller ZK, Jourdan T, Matyas C,

Nemeth BT, Guillot A, Xiang X, Mehal A, Haskó G, Stillman IE, Rosen S, Gao B, Kunos G, Pacher P. Disruption of Renal Arginine Metabolism Promotes Kidney Injury in Hepatorenal Syndrome in Mice. **Hepatology**. 2018;68(4):1519-1533. **Impact factor: 16.8**

&denotes equal contributions

23. Bencsik P, Kupai K, Görbe A, Kenyeres É, Varga ZV, **Pálóczi J**, Gáspár R, Kovács L, Weber L, Takács F, Hajdú I, Fabó G, Cseh S, Barna L, Csont T, Csonka C, Dormán G, Ferdinandy P. Development of Matrix Metalloproteinase-2 Inhibitors for Cardioprotection. **Front Pharmacol**. 2018;9:296. **Impact factor: 4.8**
24. Heger J, Bornbaum J, Würfel A, Hill C, Brockmann N, Gáspár R, **Pálóczi J**, Varga ZV, Sárközy M, Bencsik P, Csont T, Török S, Kojonazarov B, Schermuly RT, Böngler K, Parahuleva M, Ferdinandy P, Schulz R, Euler G. JDP2 overexpression provokes cardiac dysfunction in mice. **Sci Rep**. 2018;8(1):7647. **Impact factor: 3.9**
25. Csóka B, Németh ZH, Szabó I, Davies DL, Varga ZV, **Pálóczi J**, Falzoni S, Di Virgilio F, Muramatsu R, Yamashita T, Pacher P, Haskó G. Macrophage P2X4 receptors augment bacterial killing and protect against sepsis. **JCI Insight**. 2018;3(11). **Impact factor: 6.1**
26. Matyas C, Erdelyi K, Trojnar E, Zhao S, Varga ZV, **Paloczi J**, Mukhopadhyay P, Nemeth BT, Haskó G, Cinar R, Rodrigues RM, Ait Ahmed Y, Gao B, Pacher P. Interplay of Liver-Heart Inflammatory Axis and Cannabinoid 2 Receptor Signaling in an Experimental Model of Hepatic Cardiomyopathy. **Hepatology**. 2020;71(4):1391-1407. **Impact factor: 16.8**
27. Lee JS, Mukhopadhyay P, Matyas C, Trojnar E, **Paloczi J**, Yang YR, Blank BA, Savage C, Sorokin AV, Mehta NN, Vendruscolo JCM, Koob GF, Vendruscolo LF, Pacher P, Lohoff FW. PCSK9 inhibition as a novel therapeutic target for alcoholic liver disease. **Sci Rep**. 2019;9(1):17167. **Impact factor: 3.9**
28. Trojnar E, Erdelyi K, Matyas C, Zhao S, **Paloczi J**, Mukhopadhyay P, Varga ZV, Hasko G, Pacher P. Cannabinoid-2 receptor activation ameliorates hepatorenal syndrome. **Free Radic Biol Med**. 2020;152:540-550. **Impact factor: 8.2**
29. **Paloczi J**, Matyas C, Cinar R, Varga ZV, Hasko G, Schindler TH, Kunos G, Pacher P. Alcohol Binge-Induced Cardiovascular Dysfunction Involves Endocannabinoid-CB1-R Signaling. **JACC Basic Transl Sci**. 2019;4(5):625-637. **Impact factor: 7.2**
30. Makkos A, Szántai Á, **Pálóczi J**, Pipis J, Kiss B, Poggi P, Ferdinandy P, Chatgililoglu A, Görbe A. A Comorbidity Model of Myocardial Ischemia/Reperfusion Injury and Hypercholesterolemia in Rat Cardiac Myocyte Cultures. **Front Physiol**. 2020;10:1564. **Impact factor: 3.4**
31. Mock ED, Mustafa M, Gunduz-Cinar O, Cinar R, Petrie GN, Kantae V, Di X, Ogasawara D, Varga ZV, **Paloczi J**, Miliano C, Donvito G, van Esbroeck ACM, van der Gracht AMF, Kotsogianni I, Park JK, Martella A, van der Wel T, Soethoudt M, Jiang M, Wendel TJ, Janssen APA, et al. Discovery of a NAPE-PLD inhibitor that modulates emotional behavior in mice. **Nat Chem Biol**. 2020;16(6):667-675. **Impact factor: 13.7**

32. Gáspár R, Gömöri K, Kiss B, Szántai Á, **Pálóczi J**, Varga ZV, Pipis J, Váradi B, Ágg B, Csont T, Ferdinandy P, Barteková M, Görbe A. Decorin Protects Cardiac Myocytes against Simulated Ischemia/Reperfusion Injury. **Molecules**. 2020;25(15). **Impact factor: 4.6**
33. **Pálóczi J**, Szántai Á, Kobolák J, Bock I, Ruivo E, Kiss B, Gáspár R, Pipis J, Ocsovszki I, Táncos Z, Fehér A, Dinnyés A, Onódi Z, Madonna R, Ferdinandy P, Görbe A. Systematic analysis of different pluripotent stem cell-derived cardiac myocytes as potential testing model for cardiocytoprotection. **Vascul Pharmacol**. 2020;133-134:106781. **Impact factor: 3.5**
34. Guillot A, Guerri L, Feng D, Kim SJ, Ahmed YA, **Paloczi J**, He Y, Schuebel K, Dai S, Liu F, Pacher P, Kisseleva T, Qin X, Goldman D, Tacke F, Gao B. Bile acid-activated macrophages promote biliary epithelial cell proliferation through integrin $\alpha\beta 6$ upregulation following liver injury. **J Clin Invest**. 2021;131(9):e132305. **Impact factor: 13.6**
35. Rajesh M, Mukhopadhyay P, Bátkaí S, Arif M, Varga ZV, Mátyás C, **Paloczi J**, Lehocki A, Haskó G, Pacher P. Cannabinoid receptor 2 activation alleviates diabetes-induced cardiac dysfunction, inflammation, oxidative stress, and fibrosis. **Geroscience**. 2022;44(3):1727-1741. **Impact factor: 5.6**
36. Li X, Chang H, Bouma J, de Paus LV, Mukhopadhyay P, **Paloczi J**, Mustafa M, van der Horst C, Kumar SS, Wu L, Yu Y, van den Berg RJBHN, Janssen APA, Lichtman A, Liu ZJ, Pacher P, van der Stelt M, Heitman LH, Hua T. Structural basis of selective cannabinoid CB2 receptor activation. **Nat Commun**. 2023;14(1):1447. **Impact factor: 15.7**
37. Jia June, Huizenga MCW, Wirt JL, **Paloczi J**, Amedi A, van der Berg R, Benz J, Collin L, Deng H, Di X, Driever WF, Florea BF, Grether U, Janssen APA, Hankemeier T, Heitman LH, Lam TW, Mohr F, Pavlovic A, Ruf I, van den Hurk H, Stevens AF, van der Vliet D, van der Wel T, Wittwer MB, van Boeckel CAA, Pacher P, Hohmann A*, van der Stelt M* Discovery of a monoacylglycerol lipase inhibitor that harnesses the therapeutic potential of endocannabinoid signaling without CNS-mediated adverse side effects or physical dependence. **Nat Commun**. 2023;14(1):8039. **Impact factor: 15.7**
38. Arif M, Matyas C, Mukhopadhyay P, Yokus B, Trojnar E, **Paloczi J**, Paes-Leme B, Zhao S; Lohoff FW, Haskó G, Pacher P. Data-driven transcriptomics analysis identifies PCSK9 as a novel key regulator in liver aging. **Geroscience**. 2023;45(5):3059-3077. **Impact factor: 5.6**
39. Matyas C, Trojnar E, Zhao S, Arif M, Mukhopadhyay P, Kovacs A, Fabian A, Tokodi M, Bagyura Z, Merkely B, Kohidai L, Lajko E, Takacs A, He Y, Gao B, **Paloczi J**, Lohoff FW, Haskó G, Ding WX, Pacher P. PCSK9, A Promising Novel Target for Age-Related Cardiovascular Dysfunction. **JACC Basic Transl Sci**. 2023;8(10):1334-1353. **Impact factor: 7.2**
40. **Pálóczi J**, Paál Á, Pigler J, Kiss B, Rhoden A, Varga ZV, Ferdinandy P, Eschenhagen T, Görbe A. Organ-specific model of simulated ischemia/reperfusion and hyperglycemia based on engineered heart tissue. **Vascul Pharmacol**. 2023;152:107208. **Impact factor: 3.5**

41. **Paloczi J***, Kim Y. Editorial: Biophysics approaches to investigate multi-organ alcohol-induced damage. **Front Mol Biosci.** **2023;10:1346518. Impact factor: 4.0**
**denotes corresponding author*
42. Edavettal JM, Harris NR, Cohen SE, **Paloczi J**, Chandrasekar B, Gardner JD. Abstinence Restores Cardiac Function in Mice with Established Alcohol-Induced Cardiomyopathy. **Cells.** **2023;12(24):2783. Impact factor: 5.2**
43. Fu Y, Mackowiak B, Lin YH, Maccioni L, Lehner T, Pan H, Guan Y, Godlewski G, Lu H, Chen C, Wei S, Feng D, **Paloczi J**, Zhou H, Pacher P, Zhang L, Kunos G, Gao B. Coordinated action of a gut-liver pathway drives alcohol detoxification and consumption. **Nat Metab.** **2024;6(7):1380-1396. Impact factor: 20.8**
44. Tschann MM, Vachharajani V, Redmond EM, Hoisington A, Cohen SE, New-Aaron M, Llorente C, **Paloczi J**, Keating CR, Rungratanawanich W, Burnham EL, Callaci JJ, Raju P, Zhong W, Mandal A, Zimmerly JR, Nuncio ASP, Mandrekar P, McCullough RL, McMahan RH, Wyatt TA, Yeligar SM, Kovacs EJ, Choudhry MA. New developments on the effects of alcohol use on immunity, inflammation and organ function: A summary of the 2024 Alcohol and Immunology Research Interest Group (AIRIG) meeting. **Alcohol.** **2025 Aug;126:1-10. Impact factor: 2.9**
45. Edavettal JM, Donovan M, Harris NR, Chapa-Dubocq XR, Rodríguez-Graciani KM, **Paloczi J**, Simon L, Chandrasekar B, Gardner JD. Female Cardioprotection in a Mouse Model of Alcohol-Associated Cardiomyopathy. **Cells.** **2025 Oct 27;14(21):1682. Impact factor: 5.2**
46. **Paloczi J***. Commentary on "Effects of at-risk alcohol use on nighttime blood pressure, urinary catecholamines, and sleep quality in midlife adults". **Alcohol Clin Exp Res.** **2025;49(6):1187-1188. Impact factor: 2.7**
**denotes corresponding author*
47. **Paloczi J***, Gunduz-Cinar O, Yokus B, Paes-Leme B, Haskó G, Kunos G, Holmes A, Pacher P*. Exacerbated cardiac dysfunction from combined alcohol binge and synthetic cannabinoid use. **Biomed Pharmacother.** **2025:187:118053. Impact factor: 7.5**
**denotes corresponding author*
48. Cohen SE[&], Donovan ME[&], Gardner DJ, Sambo D, Karagoz SB, Cinar R, Goldman D, Gardner JD, Pacher P, **Paloczi J***. Selective Depletion of Gut Gram-Negative Bacteria Attenuates Alcohol Binge-Induced Cardiovascular Dysfunction by Lowering Cardiac Anandamide Levels. **Am J Path.** **2026;196:192-208. Impact factor: 3.6**
[&]*denotes equal contributions*
**denotes corresponding author*
49. Wei S, Xu J, Chen SR, Huang Y, Jarrett Z, Godlewski G, **Paloczi J**, Pacher P, Pan HL, Xu Y, Lovinger DM, Zhang L. Spinal glycine receptor alpha 1 coordinates startle behavior through a cell-type specific mechanism. **Int J Biol Sci.** **2026;22(12):6631-6652. Impact factor: 11.7**
50. Harris NR, Gallegos EM, Donovan M, Mansouri A, **Paloczi J**, Gardner JD. Concurrent

Chronic-Plus-Binge Alcohol Consumption and Nicotine Vaping Alter the Cardiac Ventricular Proteome in a Preclinical Mouse Model. **Int J Mol Sci.** **2026;27(4):1625.**
Impact factor: 5.6

51. **Paloczi J***, Byerley LO, Primeaux SD. The Aftermath of Alcohol Misuse: Linking Cellular Damage, Nutritional Deficits, and Organ Dysfunction. **Pharmacol Ther.** **2026;283:109038.** **Impact factor: 12.5**

**denotes corresponding author*

Submitted:

52. **Paloczi J**, Paes-Leme B, Yokus B, Arif M, Savage C, Mukhopadhyay P, Arif M, Trojnár E, Matyas C, Cinar R, Wittwer M, Dzygiel P, Ullmer C, Osterwald A, Zirwes E, Haskó G, Persidsky Y, Grether U, Pacher P. Targeted activation, but not inhibition of cannabinoid receptor 2 (CB2R), is a novel approach to reduce renal fibrosis. **Clin Transl Med.** (under review). **Impact factor: 10.6**

Non-refereed

Published:

Accepted:

Submitted:

H-Index/indices:

h-index:	27	(Google Scholar)
i10-index:	38	(Google Scholar)

Books:

Book Chapters:

- | | |
|------|---|
| 2017 | Bencsik P, Bartekova M, Görbe A, Kiss K, Pálóczi J , Radosinska J, Szűcs G, Ferdinandy P. MMP Activity Detection in Zymograms. In: Methods in Molecular Biology. Springer; 2017. |
| 2025 | Paloczi J , Stefany DP. Alcohol and cellular physiology. In: Pathophysiological Consequences of Alcohol. Academic Press; p. 23–44. |
| 2025 | Donovan M, Harris N, Paloczi J , Gardner J. Alcohol and cardiovascular and renal physiology. In: Pathophysiological Consequences of Alcohol. Academic Press; p. 75–100. |

Scientific Presentations/Published Abstracts/Oral Sessions and Posters:

Published Abstracts/Proceedings

Scientific Presentations

Oral Sessions

Poster

Invited Presentations:

1. Nitric oxide protects mouse embryonic stem cell-derived cardiomyocytes against simulated ischemia/reoxygenation, **3rd conference on "A Focus on Stem Cells", Debrecen, Hungary, 2011.**
2. The effects of the MMP inhibitor ilomastat on reperfusion injury, **Annual Congress of Hungarian Society of Cardiology, Balatonfured, Hungary, 2012.**
3. The NO-donor SNAP exerts cardioprotection against ischemia/reperfusion injury in human embryonic stem cell-derived cardiomyocytes, **Cost Action BM1005 Gasotransmitters meeting Messina, Italy, 2014.**
4. The NO-donor SNAP exerts cardioprotection against ischemia/reperfusion injury in human embryonic stem cell-derived cardiomyocytes, **Annual Congress of Hungarian Society of Cardiology, Balatonfured, Hungary, 2014.**
5. Alcohol binge-induced cardiovascular dysfunction involves endocannabinoid-CB1-R signaling, **29th Annual International Cannabinoid Research Society Symposium on the Cannabinoids, Bethesda, Maryland, 2019.**
6. Targeted activation, but not inhibition of cannabinoid receptor 2 (CB2R), is a novel approach to reduce renal fibrosis, **31st Annual International Cannabinoid Research Society Symposium on the Cannabinoids, Jerusalem, Israel, 2021.**
7. Combined synthetic cannabinoids and alcohol intoxication induces detrimental cardiac consequences: role of CB1-R signaling, **Gordon Research Conferences, Alcohol-Induced End Organ Diseases, Ventura, California, 2022.**
8. High times for the heart: unraveling the effects of cannabinoids on cardiovascular function, **Cardiovascular Center of Excellence Seminar Series, New Orleans, Louisiana, 2023.**
9. Alcohol binge-induced cardiovascular dysfunction involves endocannabinoid-CB1-R signaling. **LSU-HSC ADACE Cannabinoid Workshop New Orleans, Louisiana, 2023.**
10. The Aftermath of Binge Drinking: Loss of Gut Integrity and Cardiovascular Dysfunction, **Tulane University School of Medicine, Dept. of Pharmacology scientific seminar series, New Orleans, Louisiana, 2024.**
11. The Aftermath of Binge Drinking: Loss of Gut Integrity and Cardiovascular Dysfunction, **Cardiovascular Center of Excellence Seminar Series, New Orleans, Louisiana, 2024.**
12. Gut Integrity: a Key Factor in Binge Alcohol-Induced Cardiovascular Dysfunction, **Alcohol & Immunology Research Interest Group (AIRIG) annual meeting,**

Maywood, IL, 2024.

13. The Aftermath of Binge Drinking: Loss of Gut Integrity and Cardiovascular Dysfunction, **Gordon Research Conferences, Alcohol-Induced End-Organ Diseases, Ventura, California, 2025.**
14. Intestinal flora: a key player in alcohol binge-induced cardiovascular dysfunction involving endocannabinoid-CB1-R signaling, **Research Society on Alcoholism, New Orleans, Louisiana, 2025**

Videos, Electronic Media, and Multimedia:

Grant Reviewer:

- | | |
|------|--|
| 2024 | NIH/NIGMS, Support for Research Excellence First Independent Research (SuRE-First) Awards (reviewer#1 in two, reviewer #2 in one case) |
| 2025 | NIH/NIA, R61-R33, Stressors and Aging NIA Awards (reviewer#1 in two, 2 in one case, reviewer #2 in two cases, reviewer #3 in one case) |
| 2025 | NIH/CSR, R61-R33, Fellowship (F31) Reviewer, Special Emphasis Panel (reviewer#1 in two, 2 in one case, reviewer #2 in one case, reviewer #3 in one case) |

Inventions and Patents:

Editorial Posts and Activities:

Journal Editor or Associate Editor:

- | | |
|--------------|--|
| 2021-2022 | Guest associate editor at Frontiers in Physiology, Clinical and Translational Physiology section |
| 2022-Present | Guest associate editor at Frontiers in Molecular Biosciences. Biophysics section |
| 2024-Present | Editor at Biomolecules, Molecular Biology section |

Reviewer:

- | | |
|--------------|--|
| 2016-2018 | Free Radical Biology and Medicine |
| 2016-2018 | Cellular Physiology and Biochemistry |
| 2016-Present | British Journal of Pharmacology |
| 2017-Present | Alcoholism: Clinical and Experimental Research |

Revised: August 2024

2017-Present	Alcohol
2018-Present	PLoS One
2018-Present	European Journal of Pharmacology
2021-Present	Frontiers in Physiology
2021-Present	Geroscience
2022-Present	International Journal of Biological Sciences

SERVICE AND ADMINISTRATION

University/Institutional Service:

LSUHSC (campus) committees

School committees

Departmental committees

Hospital committees

Special assignments – ad hoc task forces/working groups, projects, etc.

State/Regional Service:

Professional society committees

Meeting chair or organizer

Leadership role

National Service:

Professional society committees

Meeting chair or organizer

Leadership role

International Service:

Professional society committees

Meeting chair or organizer

Leadership role

Clinical Service:

In-patient service activities

Clinic coverage

Call

Membership in Professional Organizations:

2010-2021 International Society for Heart Research (European Section)

2010-Present European Society of Cardiology (*Working Group of Cellular Biology of the Heart*)

Revised: August 2024

2010-Present	Hungarian Society of Cardiology
2013-2015	Cost Action EU-ROS (BM1203) <i>Molecular Mechanism and Targets</i> working group
2017-Present	American Heart Association (<i>Council on Basic Cardiovascular Sciences</i>)
2017-Present	Member, International Cannabinoid Research Society
2019-Present	Member, Research Society on Alcoholism
2025-Present	Member, American Society for Investigative Pathology

Regulatory Agency/Accrediting Body Service:

Other Professional Service:

Administrative Responsibilities:

LSUHSC
 School
 Departmental
 Hospital
 Interdisciplinary/other program (center or program)

Community Service Activities:

Continuing Education Courses Attended: