

**CURRICULUM VITAE****PERSONAL:**

Name Natalia Solenkova  
 Business address Natalia Solenkova MD PA  
 16850 Collins Ave #112-666  
 Sunny Isles Beach, FL 33160  
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**EDUCATION:**

08/2025-current Master of Public Health, Generalist, Harvard T.H. Chan School of Public Health  
 01/2021-05/2022 Master of Legal Studies (MLS), Healthcare Law, University of Oklahoma, Norman, OK  
 09/1999-03/2002 Doctor of Philosophy, Siberian State Medical University, Tomsk, Russia  
 Specialized fields: Pathophysiology, Cardiology  
 09/1993-06/1999 Medical Doctor, Diploma with Honors (the equivalent of summa cum laude),  
 Siberian State Medical University, Tomsk, Russia

**GRADUATE MEDICAL EDUCATION:**

07/2017-06/2019 Fellow, Critical Care Medicine, University of Miami/Jackson Memorial Hospital, Miami, FL  
 06/2011-06/2014 Resident, Internal Medicine, Mount Sinai Medical Center, Miami Beach, FL

**CLINICAL EXPERIENCE:**

04/2021-current Locum Intensivist, All Stars Locums  
 06/2024-current – Multi-specialty ICU (MICU, CVICU, Neuro-ICU), Baptist Health, Lexington, KY  
 03/2024-10/2024 – MS ICU, Tristar Centennial Medical Center, Nashville, TN  
 10/2021-12/2023 – Multi-specialty ICU (MICU, SICU, CCU, Neuro-ICU), Jackson Madison General Hospital, Jackson, TN  
 04/2021-03/2023 – Cardio-Thoracic ICU, Osceola Regional Medical Center, Kissimmee, FL  
 07/2020-current Intensivist, Multi-specialty ICU, South Florida Critical Care, Florida Medical Center, Fort Lauderdale, FL  
 01/2020-current Intensivist, Cardio-Thoracic ICU and Lung Transplant ICU, Miami Transplant Institute, Jackson Memorial Hospital, Miami, FL  
 08/2022-12/2025 Locum Intensivist, Integrity Locums  
 08/2022-12/2025 – Community Medical Center, Missoula, MT  
 09/2021-03/2026 Tele-intensivist, Omnicure  
 08/2023-03/2026 – Carolina Pines Regional Medical Center, Hartsville, SC

09/2021-03/2022 – Emergency relief as a part of The National Emergency Tele-Critical Care Network NETCCN

03/2021 Intensivist, emergency relief, Vista Locums, Covid ICU, Rio Grande Regional Hospital, McAllen, TX

11/2020-11/2021 Intensivist, Educator, Team Leader, Critical Care Response Team, Emergency Response, Indian Health Services, Tribal Health

02/2021 – Blackfeet Hospital, Browning, MT

01/2021 – North Navajo Medical Center, Shiprock, NM

11/2020 – Red Lake Hospital, Red Lake, MN

05/2020 Intensivist, emergency relief, MPLT Locums, Covid ICU, Kings County Hospital, Brooklyn, NY

07/2019-01/2021 Intensivist, multi-specialty ICU, Memorial Healthcare System, Hollywood, FL

07/2019-01/2020 Intensivist, multi-specialty ICU, Wellington Medical Center, Wellington, FL

08/2014-07/2019 Hospitalist, Intermediate Care unit, Teamhealth, Memorial Healthcare System, Hollywood, FL

03/2015-03/2016 Internal medicine outpatient physician/Primary care office/House calls, part-time, ASTAR Medical Group/Physicians at home, Miami, FL

**RESEARCH AND TEACHING:**

03/2024-10/2024 Teaching Attending, ICU rotation, Internal Medicine and Emergency Medicine Residents, Tristar Centennial Medical Center, Nashville, TN

03/2021-11/2021 Teaching Attending, ICU rotation, Internal Medicine Residents, Osceola Regional Medical Center, Kissimmee, FL

07/2019-01/2021 Teaching Attending, ICU Rotation, Internal Medicine Residents, Memorial Healthcare System, Hollywood, FL

08/2016-06/2019 Clinical Affiliate Assistant Professor, Charles E. Schmidt College of Medicine, Florida Atlantic University, Boca Raton, FL

11/2006-06/2011 Research Fellow (basic & clinical research), Department of Cardiac Surgery, Vanderbilt University, Nashville, TN

08/2010-12/2010 Group Co-Leader/Teaching Fellow, FOCUS (Facilitating Open Communication to Understand Science), Vanderbilt University, Nashville, TN

10/2005-11/2006 Post-doctoral Fellow (basic research), Department of Physiology, University of Tennessee, Memphis, TN

11/2003-09/2005 Post-doctoral Fellow (basic research), Department of Physiology, University of South Alabama, Mobile, AL

04/2002-11/2003 Research Instructor (basic research & teaching), Laboratory of Experimental Cardiology, Research Institute of Cardiology, Tomsk, Russia

09/2002-11/2003 Assistant Professor, Department of Biochemistry and Molecular Biology, Siberian State Medical University, Tomsk, Russia.

11/1999-09/2002 Medical Information Consultant/Educator, Scientific Medical Library/Siberian State Medical University, Tomsk, Russia

**LEADERSHIP ACTIVITIES (HOSPITAL, ORGANIZED MEDICINE, NON-PROFIT):**

**World Medical Association:**

04/2025-current	Delegate, Associate Members, Task Force for revision of the WMA Declaration of Taipei “Ethical Considerations Regarding Health Databases and Biobanks,” World Medical Association
10/2024-10/2025	Member, Steering Committee, Associate Members, World Medical Association
09/2023-10/2024	Delegate, Associate Members, Task Force for revision of the WMA Declaration of Helsinki “Ethical Principles for Medical Research Involving Human Subjects,” World Medical Association
05/2022-10/2022	Member, Associate Members, Task Force for revision of the WMA policy “WMA Regulations in Times of Armed Conflict and Other Situations of Violence,” World Medical Association
05/2021-04/2022	Member, eHealth & Medical Technology Task Force, Associate Members, World Medical Association

**American Medical Association:**

06/2022-06/2025	Chair-elect, Chair, Immediate Past Chair, Governing Council, International Medical Graduate Section, AMA
06/2020-current	Governing Council, International Medical Graduate Section, AMA -Chair, Social Media Committee -Chair, DEI Committee -Delegate/Alternate Delegate
06/2018-06/2019	Member, Committee on Legislative Affairs, Resident Fellow Section, AMA
09/2019	AMPAC Campaign School

**American College of Physicians/American College of Physicians, Florida Chapter:**

10/2024-current	Chair, Legislative Committee, Governor’s Advisory Council, Florida Chapter, ACP
06/2024-07/2024	IMG Workgroup, American College of Physicians
10/2023-10/2025	Region C Representative to the Governor’s Advisory Council, Florida Chapter, ACP
08/2022-10/2024	Member, Wellness Committee, Florida Chapter, American College of Physicians
2019, 2021, 2022, 2023, 2024	Delegate to the FMA, American College of Physicians, Florida Chapter
2017	Elected to Fellow, American College of Physicians

**American Board of Medical Specialties**

04/2025-current	Chair-elect, Ethics and Professionalism Committee, ABMS
07/2023-current	Member, Ethics and Professionalism Committee, ABMS

**Florida Medical Association:**

08/2024-current	Alternate Delegate to the AMA
08/2021-08/2025	Member, Council on Medical Education, Science and Technology, and Public Health, FMA
09/2019-12/2020	The Karl M. Altenburger, M.D. Florida Medical Association Physician Leadership Academy
05/2019	Alternate Delegate to the AMA via RFS and FMA

**NPOs:**

01/2026-current	Board Member, Physicians for Social Responsibility National
01/2024-current	Board Member, Florida Chapter, Physicians for Social Responsibility
01/2025-current	Scientific Advisory Board Member, Accountability Journalism Institute

**Other:**

02/2020, 04/2021, Served as Doctor of the Day, Sponsored by Sen. Jason Pizzo, Florida Senate, Tallahassee, FL  
 03/2023, 03/2025,  
 02/2026

**Hospital Committees:**

2015-2017 Peer Review Committee for Internal Medicine, Memorial Regional Hospital, Hollywood, FL  
 2014-2015 Sepsis Committee, Memorial Regional Hospital, Hollywood, FL

**INVITED LECTURES, PANELS, WORKSHOPS**

04/2025 Moderator, Webinar, "Physicians' responsibility: How do we remain ethical in a changing world?", World Medical Association  
 10/2024 Invited Speaker, Critical Care Medicine for Internists, Annual Meeting, Florida Chapter, American College of Physicians, Fort Lauderdale, FL  
 06/2024 Moderator, Panel Discussion, Contributions of International Medical Graduates, Annual Meeting, AMA, Chicago, IL  
 01/2024 Moderator, Panel Discussion, "Disinformation in Healthcare: How to Respond", World Medical Association  
 10/2023 Moderator, Panel Discussion, Improving IMG physician mentoring:  
 A way to prevent physician burnout and improve health equity, IMG Recognition Week, IMG Section, AMA  
 10/2023 Panel Speaker, IMG path in the American Medicine, Annual Meeting, Florida Chapter, American College of Physicians, Tampa, FL  
 10/2023 Panel Speaker, Women in Medicine, Annual Meeting, Florida Chapter, American College of Physicians, Tampa, FL  
 04/2023 Panel Speaker, IMGs in the US: Increasing Diversity and Improving Access to Care, Annual Meeting, American College of Physicians, San Diego, CA  
 10/2022 Panel Speaker, Rural, Indigenous and Correctional Medicine, Annual Meeting, Florida Chapter, American College of Physicians, Fort Lauderdale, FL  
 10/2022 Invited Speaker, Critical Care Medicine Update, Annual Meeting of Florida Chapter, American College of Physicians, Fort Lauderdale, FL  
 10/2022 Workshop trainer, POCUS Workshop, Annual Meeting, Florida Chapter, American College of Physicians, Fort Lauderdale, FL  
 04/2019 Workshop trainer, Critical Care Workshop: Ultrasound Lab, The American College of Osteopathic Emergency Physicians' 2019 Spring Seminar, Bonita Springs, FL

**LICENSES:**

2024-current KY state license  
 2023-current SC state license  
 2021-current TN state license  
 2021-current MT state license  
 2020-current NY state license

2014-current FL state license  
2011-current NPI 1457782328

**SPECIALTY CERTIFICATIONS:**

01/2020-current National Board of Echocardiography, Critical Care Ultrasound Exam CCEeXAM, certified  
11/2019-current American Board of Internal Medicine, Critical Care Medicine, board-certified  
08/2014-current American Board of Internal Medicine, Internal medicine, board-certified  
08/2009 Educational Commission for Foreign Medical Graduates (ECFMG), certificate number 07655202

**OTHER CERTIFICATIONS:**

2/2022 How to be an Effective Medical Expert Witness, SEAK, Clearwater, FL  
2/2022 Hot to Start, Build & Run a Successful Medical Expert Witness Practice, SEAK, Clearwater, FL  
09/2008 Biostatistics I Course (Part of Master of Public Health Program), Vanderbilt University, Nashville, TN  
05/2007 Cell Imaging Microscopy Course, Vanderbilt University, Nashville, TN

**PROFESSIONAL MEMBERSHIPS:**

2021-current World Medical Association  
2012-current American College of Physicians  
2011-current American Medical Association  
2014-current Florida Medical Association  
2018-2025 Society of Critical Care Medicine

**VOLUNTEER EXPERIENCE:**

09/2009-12/2010 Medical Volunteer, Shade Tree Clinic (Free clinic), Nashville, TN  
2000, 2001 Organizational committee member, International Antismoking Quit and Win Campaign, Tomsk, Russia, World Health Organization and CINDI (Countrywide Integrated Noncommunicable Disease Intervention)  
2001 Organizational committee member, Regional Meeting "Health of young people – health of the nation" (sponsored by Siberian State Medical University, Tomsk Center Anti-AIDS, Tomsk Center of Family Planning)  
09/2000-11/2003 Organizational committee member, International Congress of Young Scientists "Sciences About Man," Tomsk, Russia  
09/2000-11/2003 Organizational committee member, Regional Young Investigator Association, Tomsk, Russia  
09/1996-06/1999 Organizational committee member, Medical Student Association, Tomsk, Russia

**PEER REVIEW ACTIVITIES:**

03/2010 Reviewer, Journal "Antioxidants and Redox signaling"/ Forum Review

## **AWARDS AND HONORS:**

2024	Women in Medicine, American College of Physicians, Florida Chapter
2024, 2025	Inspiration Award, Women Physician Section, American Medical Association
2001-2002	Grant of Russian Foundation for Basic Sciences "Role of cannabinoid receptors in arrhythmogenesis" # 01-04-48025/Co-investigator
1999	Governor Merit Award for Excellence in Education and Community Service
1999	Mayor Merit Award for Excellence in Education
2002	Governor Merit Award for Excellence in Research
2002	Governor Merit Award for Excellence in Research
2001	Siberian State Medical University Young Investigator, Award Winner

## **PATENTS:**

1. Use of substituted 2-thio-3,5-dicyano-4-phenyl-6-aminopyridines for the treatment of reperfusion injury and reperfusion damage. International patent, # WO 2006/099958 A1 (International publication, 9.28.2006), # EP 1863482 A1 (European, published 12.12.2007), # CA2602514 A1 (Canadian, published 9.28.2006), # US20090221649 A1 (USA, published 9.3.2009)
2. Use of delta2-opioid agonist deltorphin II as new anti-arrhythmic drug. Russia, # 20033106354 (10.9.2004)

## **BOOK CHAPTERS:**

1. Solenkova NV, Umakanthan R, Leacche M, Byrne JG. Intraoperative imaging in cardiac surgery. In: Jolesz JA, ed., Intraoperative imaging and image guided therapy. Baton Rouge, Louisiana: Springer; 2014: 685-690.
2. Solenkova NV, Umakanthan R, Leacche M, Byrne JG. The Hybrid Operating Room. In: Chitwood WR, Kernstine K, eds. Robotic and Cardiothoracic Surgery: Atlas and Guide. London: Springer; 2014: 107-117.
3. Umakanthan, R., Solenkova, N.V., Leacche, M., Byrne, J.G., Ahmad, R.M. (2010). Coronary Artery Bypass Surgery. In: Toth PP, Cannon C, eds. Comprehensive Cardiovascular Medicine in the Primary Care Setting. 1st ed. Illinois: Humana, Springer; 2010: 263-279.

## **REVIEWS/ EDITORIALS:**

1. Solenkova N. International Medical Graduates, Visa Disruptions, and the Future of the US Physician Workforce. JAMA. 2025;334(17):1513–1514. doi:10.1001/jama.2025.15171
2. Solenkova N. Navigating the Public Health Information Space: Responding to Disinformation with Global Expert Insights and Potential Strategies. World Medical Journal. 2024 Mar; 70(1): 25-27.
3. Solenkova NV, Newman JD, Berger JS, Thurston G, Hochman JS, Lamas GA. Metal pollutants and cardiovascular disease: mechanisms and consequences of exposure. Review. American Heart Journal. 2014 Dec;168(6):812-22.
4. Solenkova NV, Lamas GA. Should chelation therapy be abandoned? Invited Editorial. Clinical Practice. 2013 Sept; 10(5): 551-553.

5. Jaik NP, Umakanthan R, Leacche M, Solenkova N, Balaguer JM, Hoff SJ, Ball SK, Zhao DX, Byrne JG. Current status of hybrid coronary revascularization. *Expert Rev Cardiovasc Ther.* 2011 Oct;9(10):1331-7. Review. PMID: 21985545
6. Solenkova NV, Umakanthan R, Leacche M, Zhao DX, Byrne JG. The new Era of cardiac surgery: Hybrid Therapy for Cardiovascular Disease. Invited Review. *Innovations: Technology & Techniques in Cardiothoracic & Vascular Surgery (Phila).* 2010 Nov; 5(6): 388-393. PMID: 22437632
7. Maslov LN, Lishmanov IuB, Solenkova NV. Adaptation of myocardium to ischemia. The early phase of ischemic preconditioning *Usp Fiziol Nauk.* 2006 Jul-Sep;37(3):25-41. Review. Russian. PMID: 17022466
8. Solenkova NV, Maslov LN, Downey JM. ATP-dependent K<sup>+</sup>channels and the regulation of cardiac resistance to ischemic and reperfusion injuries *Patol Fiziol Eksp Ter.* 2006 Apr-Jun;(2):28-31. Review. Russian. PMID: 16841658
9. Lishmanov IuB, Maslov LN, Solenkova NV. The interaction of mu-opioid receptors with ion channels and G-proteins *Eksp Klin Farmakol.* 2006 Mar-Apr;69(2):62-74. Review. Russian. PMID: 16845945
10. Maslov LN, Lishmanov IuB, Solenkova NV. The interaction of mu-opioid receptors with intracellular signal systems *Eksp Klin Farmakol.* 2005 Jul-Aug;68(4):70-80. Review. Russian. PMID: 16193664

#### PAPERS:

1. Roy K, Solenkova N, Mehta P. A Wasted Opportunity During a Pandemic: The Foreign Medical Graduates in the USA. *J Immigr Minor Health.* 2021 Dec;23(6):1364-1368. doi: 10.1007/s10903-021-01243-2. Epub 2021 Jul 28. PMID: 34319481
2. Franco Palacios C, Solenkova N, Gorostiaga F. Among sepsis survivors, readmissions due to infections occur sooner and are associated with increased mortality. *Anaesthesiol Intensive Ther.* 2020;52(2):105-109. PMID: 32419437
3. Santana O, Solenkova NV, Pineda AM, Mihos CG, Lamelas J. Minimally invasive papillary muscle sling placement during mitral valve repair in patients with functional mitral regurgitation. *J Thorac Cardiovasc Surg.* 2014 Jan;147(1):496-9. PMID: 23545430.
4. Santana O, Solenkova NV, Pineda AM, Mihos CG, Lamelas J. Reply to the editor. *J Thorac Cardiovasc Surg.* 2013 Nov;146(5):1309-10.
5. Leacche M, Byrne JG, Solenkova NS, Reagan B, Mohamed TI, Fredi JL, Zhao DX. Comparison of 30-day outcomes of coronary artery bypass grafting surgery versus hybrid coronary revascularization stratified by SYNTAX and euroSCORE. *J Thorac Cardiovasc Surg.* 2013 Apr;145(4):1004-12. PubMed PMID: 22541514.
6. Umakanthan R, Hoff SJ, Solenkova N, Wigger MA, Keebler ME, Lenneman A, Leacche M, Disalvo TG, Ooi H, Naftilan AJ, Byrne JG, Ahmad RM. Benefits of ambulatory axillary intra-aortic balloon pump for circulatory support as bridge to heart transplant. *J Thorac Cardiovasc Surg.* 2012 May;143(5):1193-7. PMID: 22365064.
7. Greelish JP, Leacche M, Solenkova N, Ahmad RM, Byrne JG. Improved midterm outcomes for type A (central) pulmonary emboli treated surgically. *J Thorac Cardiovasc Surg.* 2011 Dec;142(6):1423-9. PMID: 21481423
8. Petracek MR, Leacche M, Solenkova N, Umakanthan R, Ahmad RM, Ball SK, Hoff SJ, Absi TS, Balaguer JM, Byrne JG. Minimally invasive mitral valve surgery expands the surgical options for high-risks patients. *Ann Surg.* 2011 Oct;254(4):606-11. PMID: 21946219
9. Hoff SJ, Ball SK, Leacche M, Solenkova N, Umakanthan R, Petracek MR, Ahmad R, Greelish JP, Walker K, Byrne JG. Results of completion arteriography after minimally invasive off-

- pump coronary artery bypass. *Ann Thorac Surg*. 2011 Jan;91(1):31-6; discussion 36-7. PMID: 21172481
10. Cohen MV, Yang XM, Liu Y, Solenkova NV, Downey J. Cardioprotective PKG-independent NO signaling at reperfusion. *Am J Physiol Heart Circ Physiol*. 2010 Dec;299(6):H2028-H2036. PMCID: PMC3006290 PMID: 20852051
  11. Ahmad RM, Umakanthan R, Leacche M, Solenkova N, Byrne JG. Nonsurgical Management of Traumatic Cardiac Pseudoaneurysms. *J Thorac Cardiovasc Surg*. 2010 Apr;139(4):e83-5. PMID: 19660408
  12. Levin R, Leacche M, Petracek MR, Deegan RJ, Eagle SS, Thompson A, Pretorius M, Solenkova NV, Umakanthan R, Brewer ZE, Byrne JG. Extending the Use of the Pacing Pulmonary Artery Catheter for Safe Minimally Invasive Cardiac Surgery. *J Cardiothorac Vasc Anesth*. 2010 Aug;24(4):568-73. PMID: 20346704
  13. Maslov LN, Barzakh EI, Krylatov AV, Chernysheva GA, Krieg T, Solenkova NV, Lishmanov AY, Cybulnikov SY, Zhang Y. Opioid peptide deltorphin II simulates the cardioprotective effect of ischemic preconditioning: role of  $\delta_2$ -opioid receptors, protein kinase C, and K(ATP) channels. *Bull Exp Biol Med*. 2010 Oct;149(5):591-3. PMID: 21165394
  14. Umakanthan R, Petracek MR, Leacche M, Solenkova NV, Eagle SS, Thompson A, Ahmad RM, Greelish JP, Ball SK, Hoff SJ, Absi TS, Balaguer JM, Byrne JG. Minimally invasive right lateral thoracotomy without aortic cross-clamping: an attractive alternative to repeat sternotomy for reoperative mitral valve surgery. *J Heart Valve Dis*. 2010 Mar;19(2):236-43. PubMed PMID: 20369510.
  15. Maslov LN, Barzakh EI, Krylatov AV, Brown SA, Oeltgen PR, Govindaswami M, Chernysheva GA, Solenkova NV, Lishmanov Alu, Tsibul'nikov Slu, Krieg T, Zhang E. [Significance of opioid receptors in regulation of cardiac tolerance in pathogenic impact of long-term ischemia-reperfusion in vivo]. *Russ Fiziol Zh Im I M Sechenova*. 2009 Jun;95(6):563-72. Russian. PubMed PMID: 19639880.
  16. Antevil J, Umakanthan R, Leacche M, Brewer Z, Solenkova N, Byrne JG, Greelish JP. Idiopathic Mitral Valve Disease in a Patient Presenting with Axenfeld-Rieger Syndrome. *J Heart Valve Dis*. 2009 May;18(3):349-51. PMID: 19557997
  17. Kuno A, Solenkova NV, Solodushko V, Dost T, Liu Y, Yang XM, Cohen MV, Downey JM. Infarct limitation by a protein kinase G activator at reperfusion in rabbit hearts is dependent on sensitizing the heart to A2b agonists by protein kinase C. *Am J Physiol Heart Circ Physiol*. 2008 Sep;295(3):H1288-H1295. PMID: 18660452
  18. Umakanthan R, Leacche M, Petracek MR, Kumar S, Solenkova NV, Kaiser CA, Greelish JP, Balaguer JM, Ahmad RM, Ball SK, Hoff SJ, Absi TS, Kim BS, Byrne JG. Safety of minimally invasive mitral valve surgery without aortic cross-clamp. *Ann Thorac Surg*. 2008 May;85(5):1544-9; discussion 1549-50. PMID: 18442535
  19. Ryzhov S, Solenkova NV, Goldstein AE, Lamparter M, Fleenor T, Young PP, Greelish JP, Byrne JG, Vaughan DE, Biaggioni I, Hatzopoulos AK, Feoktistov I. Adenosine receptor-mediated adhesion of endothelial progenitors to cardiac microvascular endothelial cells. *Circ Res*. 2008 Feb 15;102(3):356-63. PMID: 18032734
  20. Förster K, Kuno A, Solenkova N, Felix SB, Krieg T. The delta-opioid receptor agonist DADLE at reperfusion protects the heart through activation of pro-survival kinases via EGF receptor transactivation. *Am J Physiol Heart Circ Physiol*. 2007 Sep;293(3):H1604-8. PMID: 17545478
  21. Förster K, Paul I, Solenkova N, Staudt A, Cohen MV, Downey JM, Felix SB, Krieg T. NECA at reperfusion limits infarction and inhibits formation of the mitochondrial permeability

- transition pore by activating p70S6 kinase. *Basic Res Cardiol.* 2006 Jul;101(4):319-26. PMID: 16604438
22. Solenkova NV, Solodushko V, Cohen MV, Downey JM. Endogenous adenosine protects preconditioned heart during early minutes of reperfusion by activating Akt. *Am J Physiol Heart Circ Physiol.* 2006 Jan;290(1):H441-9. Epub 2005 Sep 9. PMID: 16155103
  23. Solenkova NV, Maslov LN, Budankova EV, Lishmanov Alu, Oeltgen P, Govindaswami M, Bespalova ZhD, Ovchinnikov MV, Nagaze H. Comparative study of the antiarrhythmic activity of mu- and delta-opioid receptor agonists during acute cardiac ischemia and reperfusion models in rats *Eksp Klin Farmakol.* 2005 Nov-Dec;68(6):25-9. Russian. PMID: 16405030
  24. Maslov LN, Lishmanov Alu, Budankova EV, Stakheev DL, Solenkova NV, Barzakh EI, Oeltgen PR, Gross GJ, Chang WS. Contribution of the endogenous opioid system to regulation of heart resistance to the arrhythmogenic effect of short-term ischemia and reperfusion. *Izv Akad Nauk Ser Biol.* 2005 Jul-Aug;(4):453-9. Russian. PMID: 16212267
  25. Maslov LN, Lishmanov YB, Naryzhnaya NV, Budankova EV, Stakheev DL, Solenkova NV, Barzakh EI, Oeltgen PR, Gross GJ. Role of endogenous opioid receptor agonists in regulation of heart resistance to the arrhythmogenic action of short-term ischemia and reperfusion. *Bull Exp Biol Med.* 2005 Feb;139(2):172-5. English, Russian. PMID: 16027798
  26. Maslov LN, Lishmanov Alu, Solenkova NV, Budankova EV, Wong TM, Chang WC, Bray LX. The antiarrhythmic effect of (-)-U-50,488 in rats with acute ischemia and reperfusion of heart is mediated by kappa1-opioid receptor activation *Eksp Klin Farmakol.* 2005 Jan-Feb;68(1):25-9. Russian. PMID: 15786960
  27. Solenkova NV, Maslov LN, Serebrov Vlu, Lishmanov Alu, Bogomaz SA, Gross GJ, Grover GJ. The effect of K(ATP)-channel activation on the electrical stability of myocardium in rats with postinfarction cardiosclerosis *Eksp Klin Farmakol.* 2004 May-Jun;67(3):10-3. Russian. PMID: 15341059
  28. Maslov LN, Lishmanov YB, Solenkova NV, Gross GJ, Stefano GB, Tam SW. Activation of peripheral delta opioid receptors eliminates cardiac electrical instability in a rat model of post-infarction cardiosclerosis via mitochondrial ATP-dependent K<sup>+</sup> channels. *Life Sci.* 2003 Jul 4;73(7):947-52. PMID: 12798419
  29. Bogomaz SA, Maslov LN, Krylatov AV, Solenkova NV, Lishmanov Alu, Budankova EV, Grover GJ. Changes in cardiac resistance to arrhythmogenic effects during ATP-dependent K<sup>+</sup> channel activation *Russ Fiziol Zh Im I M Sechenova.* 2003 Apr;89(4):409-19. Russian. PMID: 12966718
  30. Maslov LN, Krylatov AV, Lishmanov IuB, Berger H, Galo G, Ma L, Beyermann M, Solenkova NV, Stakheev DL. Role of ORL1 receptors in the regulation of cardiac resistance to arrhythmogenic effects *Russ Fiziol Zh Im I M Sechenova.* 2003 Apr;89(4):397-408. Russian. PMID: 12966717
  31. Lishmanov YB, Maslov LN, Krylatov AV, Solenkova NV, Stakheev DL. Possible mechanism underlying the antiarrhythmic effect of peptides nociceptin and DALDA on the heart. *Bull Exp Biol Med.* 2003 Jan;135(1):55-8. PMID: 12717514
  32. Maslov LN, Krylatov AV, Naryzhaia NV, Solenkova NV, Lishmanov Alu, Bogomaz SA, Gross GJ, Stefano JB, Loktiushina BA. Interactions of peripheral mu-opioid receptors and K(ATP)-channels in regulation of cardiac electrical stability in ischemia, reperfusion, and postinfarction cardiosclerosis *Russ Fiziol Zh Im I M Sechenova.* 2002 Jul;88(7):842-50. Russian. PMID: 12238351
  33. Solenkova NV, Maslov LN, Lishmanov IuB, Serebrov Vlu, Bogomaz SA, Gross GG, Stefano JB, Tam SV. Stimulation of delta1-opioid receptors increases the ventricular fibrillation

threshold in post-infarct cardiosclerosis: the role of K(ATP)-channels Eksp Klin Farmakol. 2002 Jan-Feb;65(1):30-3. Russian. PMID: 12025781

34. Maslov LN, Krylatov AV, Lishmanov Alu, Podoksenov luK, Solenkova NV, Bogomaz SA, Tam SW, Gross GJ. Stimulation of peripheral delta1-opioid receptors as a method of preventing ischemic and reperfusion arrhythmia: role of K(ATP)-channels Eksp Klin Farmakol. 2001 Nov-Dec;64(6):27-30. Russian. PMID: 11871232
35. Maslov LN, Lasukova TV, Solenkova NV, Lishmanov Alu, Bogomaz SA, Tam SV, Gross GJ. Participation of K(ATP)-channels in cardioprotective effect of mu-opioid receptor agonists in acute ischemia and reperfusion of the isolated heart Eksp Klin Farmakol. 2001 Sep-Oct;64(5):23-7. Russian. PMID: 11764493
36. Maslov LN, Krylatov AV, Lishmanov Alu, Solenkova NV, Bogomaz SA. Myocardial tolerance to arrhythmogenic exposure and pharmacological activation of K(ATP)-channels in rats Eksp Klin Farmakol. 2001 Mar-Apr;64(2):41-4. Russian. PMID: 11548447

#### ABSTRACTS:

1. Trotter PN, Solenkova NV, Zamora C, Conde C. An unusual migration. ACP meeting, Florida Chapter, West Palm Beach, September 2012
2. Leacche M, Solenkova N, Mohamed T, Byrne JG, Zhao DX. Comparison of 30 days outcomes of coronary artery bypass surgery vs. hybrid coronary revascularization stratified by SYNTAX and EURO scores. American Heart Association Scientific Sessions, Chicago, November 2010
3. Krahn T, Albrecht B, Rosentreter U, Cohen MV, Solenkova NV, Downey JM. Adenosine A2b receptor agonist mimics postconditioning: characterization of a selective adenosine A2b receptor agonist in a rabbit infarct model. 8<sup>th</sup> International Symposium on Adenosine and Adenine Nucleotides, May 24-28, 2006 – Ferrara, Italy
4. Solenkova NV, Cohen MV, Downey JM. PI3 kinase supports the preconditioned heart through a critical convalescent period. 27<sup>th</sup> Annual Meeting of International Society of Heart Research, American Section, May 12-15, 2005 – New Orleans, USA
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