

PUBLISHED PAPERS:

1. Revenko S.V., Bolotina V.M., Khodorov, B.I. Tonic and frequency-dependent block of sodium channels by ethmosine. *J. Molec Cell Cardiol* 12 (1):135, (1980).
2. Bolotina V.M., Revenko S.V., Khodorov B.I. Stimulus-dependent ethmosine blockade of sodium channels in the Ranvier Node. *Neurophysiol (rus)* 13(4):380-389, (1981).
[PMID: 6272135](#)
3. Bolotina V.M., Revenko S.V. Anthiarrhythmic ethmosine blocks sodium channels in Ranvier Node. *In: Actual problems of modern surgery (rus)* :159-160, (1981.)
4. Lavretskaya E.F., Bolotina V.M., Timashov V.P., Sarkisjan D.A. Interaction of some groups of pharmacological drugs with ionic channels in nerve fiber and their analgetic effect. *In: Pharmacol Aspects of Anesthesia (rus)*: 107-108, (1983).
5. Khodorov B.I., Bolotina V.M. Batrachotoxin decreases the sensitivity of sodium channels to the blocking action of phenobarbital. *Gen Physiol Biophys* 3: 85-87, (1984.)
[PMID: 6086450](#)
6. Bolotina V.M., Borecky J., Vlachova V., Baudysova M., Vyskocil F. Voltage-dependent chloride channels with several substates in excised patches from mouse neuroblastoma cells. *Neurosci Lett* 77:298-302, (1987.) [PMID: 2441328](#)
7. Bregestovski P., Bolotina V., Serebryakov B. Fatty acid modifies Ca^{2+} -dependent potassium channel activity in smooth muscle cells from the human aorta. *Proc R. Soc Lond* 237 :259-266, (1989.) [PMID: 2571153](#)
8. Bolotina V., Omelyanenko V., Heyes B., Ryan U., Bregestovski P. Variations of membrane cholesterol alter the kinetics of Ca^{2+} -dependent K^{+} channels and membrane fluidity in vascular smooth muscles cells. *Pflugers Arch* 415: 262-268, (1989.) [PMID: 2622758](#)
9. Bregestovski P., Bolotina V. Membrane fluidity and kinetics of Ca^{2+} -dependent potassium channels. *Biomed. Biochem Acta* 48 :S382-S387, (1989.) [PMID: 2757608](#)
10. Bolotina V., Gericke M., Bregestovski P. Kinetic differences of Ca^{2+} -dependent K^{+} channels in smooth muscle cells from normal and atherosclerotic human aorta. *Proc R. Soc Lond.* 244 : 51-55, (1991.) [PMID: 1677196](#)
11. Bolotina V., Courtney K., Khodorov B. Gate-dependent blockade of sodium channels by phenothiazine derivatives. Structure-activity relationship. *J Molec Pharmacol* 42 : 423-431,(1992.) [PMID: 1328843](#)
12. Bolotina V.M., Najibi, S., Palacino, J.J., Pagano, P.J., Cohen, R.A. Nitric oxide directly activates calcium-dependent potassium channels in vascular smooth muscle. *Nature* 368 :850-853, (1994.) [PMID: 7512692](#)
13. Cohen, R.A., Najibi, S., Bolotina V.M. The other role of nitric oxide as an endothelium-derived hyperpolarizing factor. *In Endothelium-Derived Hyperpolarizing Factor* . Ed: P.M. Vanhoutte, Harwood Acad.Publ: 161-172, (1996.)
14. Weisbrod, R.M., Griswold, M.C., Du, Y., Bolotina V.M., Cohen, R.A. Reduced responsiveness of hyper-cholesterolemic rabbit aortic smooth muscle cells to nitric

oxide. *Atheroscl Thromb Vasc Biology* 17 : 394-402, (1997.) [PMID: 9081696](#)

15. Zakharov S.I., Mongayt D.A., Cohen R.A., Bolotina V.M. Monovalent cation and L-type Ca^{2+} channels participate in calcium paradox -like phenomenon in rabbit aortic smooth muscle cells. *J Physiol* 514(1):71-81, (1999.) [PMID: 9831717](#)

16. Trepakova E.S., Cohen R.A., Bolotina V.M. Nitric oxide inhibits capacitative cation influx in human platelets by promoting SERCA-dependent refilling of Ca^{2+} stores. *Circulation Research* 84: 201-209, (1999.) [PMID: 9933252](#)

17. Cohen R.A., Weisbrod R.M., Gericke M., Yaghoubi M., Charlene Bierl, Bolotina V.M. Mechanism of nitric oxide-induced vasodilatation: refilling of intracellular stores by sarcoplasmic reticulum Ca^{2+} ATPase and inhibition of store-operated Ca^{2+} influx. *Circulation Research* 84: 210-219, (1999.) [PMID: 9933253](#)

18. Hirakawa, Y., Gericke M., Cohen R.A., Bolotina V.M. Ca^{2+} -dependent Cl^- channels in smooth muscle cells from rabbit and mouse aorta: Regulation by intracellular Ca^{2+} and nitric oxide. *Am.J.Physiol.* 277: H1732-H1744 (1999.) [PMID: 9933253](#)

19. Zakharov S.I., Cohen R.A., Bolotina V.M. The role of nonselective cation conductance in regulation of membrane potential in vascular smooth muscle cells. In: *Endothelium-derived hyperpolarizing factor*. (Eds: P.M. Vanhoutte, Harwood Academic Publishers): 243-252, (1999.)

20. Trepakova E.S., Csutora P., Gericke M., Hunton D.L., Marachase R.B., Cohen R.A., Bolotina V.M. Calcium Influx factor (CIF) directly activates store-operated cation channels in vascular smooth muscle. *J. Biol. Chem* 275 :26158-26163, (2000.) [PMID: 10851243](#)

21. Trepakova E.S., Gericke M., Hirakawa Y., Weisbrod R.M., Cohen R.A., Bolotina V.M. Properties of a native cation channel activated by Ca^{2+} store depletion in vascular smooth muscle cells. *J. Biol. Chem.* 276 : 7782-7790, (2001.) [PMID: 11113149](#)

22. Li Y., Adachi T., Bolotina V.M., Knowles C., Ault K.A. Cohen R.A. Abnormal platelet function and calcium handling in Dahl salt-hypertensive rats. *Hypertention* 37: 1129-1135, (2001.) [PMID: 11304514](#)

23. Trepakova E.S., Bolotina V.M. Comparison of the store-operated channels and the effects of nitric oxide on capacitative Ca^{2+} influx in platelets, smooth muscle cells and Jurkat cells. *Membr.Cell Biology (Biol.Membr)* 19: 49-56, (2002.)

24. Zakharov S.I., Smani T., Leno E., Macianskiene R., Mubagwa K., Bolotina V.M. Monovalent cation (MC) current in cardiac myocytes and smooth muscle cells: regulation by intracellular Mg^{2+} and inhibition by extracellular polycations *Br.J.Pharmacol.* 138: 234-244, (2003.) [PMID: 12522095](#)

25. Birk A.V., Leno E., Robertson H.D., Bolotina V.M., Szeto H.H. Interaction between ATP and catecholamines in stimulation of platelet aggregation. *Am.J.Physiol.* 284: H619-H625, (2003.) [PMID: 12388296](#)

26. Smani T., Zakharov S.I., Leno E., Csutora P., Trepakova E.S. and Bolotina V.M. Ca^{2+} -independent phospholipase A_2 is a novel determinant of store-operated Ca^{2+} influx. *J.Biol.Chem.* 278:11909- 11915, (2003.) [PMID: 12547829](#)

27. Smani T., Zakharov S.I., Csutora P., Leno E., Trepakova E.S. and Bolotina V.M. Novel mechanism of Ca^{2+} influx pathway **Nature Cell Biol** 6: 113-120, (2004.) [PMID: 14730314](#)
28. Bolotina V.M. Store-operated calcium influx channels: Diversity and activation mechanisms. **Science STKE**, (2004.) <http://stke.sciencemag.org/cgi/content/full/sigtrans%3b2004/243/pe34>
29. Zakharov S.I., Smani T., Dobryndneva Y., Blackmore, P.F., Bolotina V.M. Diethylstilbestrol is a potent inhibitor of CRAC channels and capacitative Ca^{2+} influx. **Molecular Pharmacology** 66: 702-707, (2004.) [PMID: 15322263](#)
30. Gwanyanya A., Amuzescu B., Macianskiene R., Zakharov S.I., Sipido K., Bolotina V.M., Vereecke J., Mubagwa K. Magnesium-inhibited, TRPM6/7-like channel in cardiac myocytes: Permeation of divalent cations and pH-mediated regulation. **J Physiol.** 559: 761-76, (2004.) [PMID: 15272039](#)
31. Bolotina V.M. Calcium Influx Factor and other mysteries of the store-operated Ca^{2+} influx pathway. **TIBS**, 30:378-387, (2005.) [PMID: 15951181](#)
32. Csutora P., Zarayskiy V., Peter K., Monje F., Smani T., Zakharov S.I., Litvinov D., and Bolotina V.M. Activation mechanism for CRAC current and store-operated Ca^{2+} entry: calcium influx factor and $\text{iPLA}_2\beta$ -dependent pathway, **J.Biol.Chem** 281:34926-34935, (2006.) [PMID: 17003039](#)
33. Zarayskiy V., Monje F., Peter K., Csutora P., Khodorov B.I., Bolotina V.M. Store-operated Orai1 and IP_3 receptor-operated TRPC1: separation of Siamese twins. **Channels** 1(4):246-252, (2007.) <http://www.landesbioscience.com/journals/channels/article/4835/>
34. Park K., Trucillo M., Serban D.N., Cohen R.A., Bolotina V.M. The role of iPLA_2 and store-operated channels in agonist-induced constriction of small resistant vessels. **Am.J.Physiol.** 294:H1183-H1187, (2008.) <http://ajpheart.physiology.org/content/294/3/H1183.full>
35. Csutora P., Peter K., Kilic H., Park K., Zarayskiy V., Gwozdz T., and Bolotina V.M. Novel role of STIM1 as a trigger for Calcium Influx Factor (CIF) production. **J Biol Chem** 283: 14524-14531, (2008.) [PMID: 18337241](#)
36. Smani T., Patel T., Bolotina V.M. The complex role of $\text{PKC}\epsilon$ in iPLA_2 -induced activation of store-operated channels and capacitative Ca^{2+} influx. **Am J Physiol** (Cell Physiol.) 294(6): C1499-508, 2008. <http://ajpcell.physiology.org/content/294/6/C1499.full>
37. Gwozdz T., Dutko-Gwozdz J., Zarayskiy V., and Bolotina V.M. How strict is the correlation between STIM1 and Orai1 expression, puncta formation and I_{CRAC} activation. **Am.J.Phys.** (Cell Physiol) 295: C1133-1140, (2008.) [PMID: 18768920](#)
38. Bolotina V.M. Orai1, STIM1 and $\text{iPLA}_2\beta$: a view from a different perspective. **J Physiol** 586(13):3035-42, (2008.) [PMID: 18499724](#)
39. Gwozdz T., Dutko-Gwozdz J., Schafer C, Bolotina V.M. Overexpression of Orai1 and STIM1 Proteins Alters Regulation of Store-operated Ca^{2+} Entry by Endogenous Mediators **J Biol Chem** 287(27):22865-72, (2012.) [PMID: 22549787](#)

40. Bolotina VM. Orai1, STIM1 and iPLA₂ β determine arterial vasoconstriction. *Arterioscler Thromb Vasc Biol* 32(5):1066-7, (2012.) [PMID: 22517361](#)
41. Evangelista AM, Thompson MD, Weisbrod RM, Pimental DR, Tong X, Bolotina VM, Cohen RA. Redox Regulation of SERCA2 Is Required for Vascular Endothelial Growth Factor-Induced Signaling and Endothelial Cell Migration. *Antioxid Redox Signal* 17 (8): 1099-1108; (2012.) [PMID: 22472004](#)
42. Evangelista, A.M., Thompson, M.D., Bolotina V.M., Tong, X., & Cohen, R.A. Nox4- and cysteine-674 S-glutathiolation and endothelial cell migration. *Free Radic. Biol Med* 53, 2327-2334 (2012.) [PMID: 23089226](#)
43. Yang B, Gwozdz T, Dutko-Gwozdz J, Bolotina VM. Orai1 and Ca²⁺-independent phospholipase A2 are required for store-operated Icat-SOC current, Ca²⁺ entry, and proliferation of primary vascular smooth muscle cells. *Am J Physiol Cell Physiol*; 302(5): C748-C756, (2012.) [PMID: 22094335](#)
44. Schafer C, Rymarczyk G, Ding L, Kirber MT, Bolotina VM. Role of molecular determinants of store-operated Ca²⁺ entry (Orai1, phospholipase A2 group 6 and STIM1) in focal adhesion formation and cell migration. *J Biol Chem* 287 (48): 4074557; (2012.) [PMID:23043102](#)
45. Evangelista A.M., Thompson M.D., Bolotina V.M., Tong X., & Cohen R.A. Nox4- and Nox2-dependent oxidant production is required for VEGF-induced SERCA cysteine-674 S-glutathiolation and endothelial cell migration. *Free Radic. Biol Med* S0891-5849(12)01777-7, (2012.) [PMID: 23089226](#)
46. Bolotina VM. Microdomain Organization and the Role of Second Messengers. Store-Operated Ca Entry: Endogenous Messengers and Mediators. In: Groschner K, ed. **Store-Operated Calcium Entry (SOCE) Pathways**. Springer-Verlag/Wien; pp:115-130, (2012.)
47. Zhou Q., Rymarczyk G., Schafer C., Yen A., Kirber M.T., Wolozin B, Ikezu T., Bolotina V.M. Impairment of PARK14 interaction with STIM1 alter store-operated Ca²⁺ entry and results in age-dependent Parkinson's disease-like phenotype in a new mouse model. (submitted)
48. Segawa M., Oslowski C.M., Severova S., Yang B., Deeney J. and Bolotina V.M. Store-operated Ca²⁺ entry mechanism is involved in glucose-induced Ca²⁺ responses and insulin secretion, and is critical for preventing ER stress in primary pancreatic β -cells. 2012 (manuscript in preparation) Abstract published, FASEB J., 2013
49. Oslowski C.M., Zhou Q., Schafer C., Kirber M. and Bolotina V.M. A new causal relationship between PLA2g6, store-operated Ca²⁺ entry, refilling of Ca²⁺ stores and ER stress in mouse embryonic fibroblasts. (manuscript in preparation) Abstract published, FASEB J., 2013
50. Korolev S., Csutora P., Peter K., Koroleva O., Subramanyan P., Malley K., Bolotina V.M. New evidence for dimerization of the short variant of PLA2g6, and regulation of its catalytic activity by Ca²⁺/calmodulin and Ca²⁺ influx factor. (manuscript in preparation) Abstract published, FASEB J., 2013

CHAPTERS IN THE BOOKS

1. Bolotina V.M. Nitric oxide and ion channels. In: Contemporary Cardiology, V.4: *Nitric oxide and the cardiovascular system*, Eds: Loscalzo, J., Vita J., Humana Press, (2000), pp.85-103.

2. Zakharov S.I., Cohen R.A., Bolotina V.M. The role of nonselective cation conductance in regulation of membrane potential in vascular smooth muscle cells. In: *Endothelium-derived hyperpolarizing factor*. (Eds: P.M. Vanhoutte, Harwood Academic Publishers): 243-252, (1999.)

Invited Publications

1. Bolotina V.M. Store-operated calcium influx channels: Diversity and activation mechanisms. *Science STKE*, July 2004 (www.stke.org/cgi/content/full/sigtrans:2004/243/pe34)

2. Bolotina V.M. Calcium Influx Factor and other mysteries of the store-operated Ca^{2+} influx pathway. *TiBS*, 30:378-387, 2005

3. Bolotina V.M. Orai1, STIM1 and $\text{iPLA}_2\beta$: a view from a different perspective. *J Physiol* 586(13) 3035-42, (2008.)

ABSTRACTS:

I have more than 60 published abstracts. Selected ones during the last 10 years are:

1. Bolotina V.M., Weisbrod R.M., Gericke M., Cohen, R.A.

Mechanism for nitric oxide-induced inhibition of store-operated calcium influx in smooth muscle cells. *Biophys J* 74 : A38, (1998)

2. Hirakawa, Y., Gericke M., Cohen R.A., Bolotina V.M.

Calcium-dependent chloride channels in vascular smooth muscle cells from mouse and rabbit aorta: regulation by calcium and nitric oxide. *Biophys J* 74 : A98, (1998.)

3. Zakharov S.I., Cohen R.A., Bolotina V.M.

Monovalent cation current inhibited by extracellular divalent cations in smooth muscle cells. *Biophys J* 74 : A103, (1998)

4. Zakharov, S.I., Gericke M., Hirakawa, Y., Cohen, R.A., Bolotina V.M.

Control of membrane potential in isolated smooth muscle cells. *Biophys J* 74 : A112, (1998)

5. Trepakova E.S., Cohen R.A., Bolotina V.M.

Does nitric oxide inhibit capacitative cation influx in human platelets? *Biophys J* 74 : A378, (1998)

6. Trepakova E.S., Cohen R.A., Bolotina V.M.

Nitric oxide inhibits store-operated $\text{Ca}^{2+}/\text{Mg}^{2+}$ influx in human platelets by acceleration of refilling of intracellular Ca^{2+} stores. *J Gen Physiol* 112 (1) : 21-22, (1998)

7. Bolotina V.M.
The store-operated Ca^{2+} influx through nonselective cation channels and its regulation by nitric oxide in smooth muscle cells and platelets. In: *Regulation of membrane transport systems*, Montreal, (1998)
8. Trepakova E.S., Bolotina V.M.
Does nitric oxide inhibit store operated calcium influx in T-lymphocytes? *Circulation* 100 (18) : I-497, (1999)
9. Trepakova E.S., Csutora P., Marchase R.B, Cohen R.A. and Bolotina V.B.
Direct activation of single store-operated cation channels by calcium influx factor in smooth muscle cells. *Circulation* 100 (18) : I-496, (1999)
10. Trepakova E.S., Lai, K., Bolotina V.B.
Activation of capacitative calcium influx: Conformational coupling? *Biophys.J.* 78:193A, (2000.)
11. Trepakova E.S., Csutora P., Marchase R.B, Cohen R.A. and Bolotina V.B.
Store-operated nonselective cation channels directly activated by calcium influx factor in smooth muscle cells. *Biophys.J.* 78:193A, (2000)
12. Trepakova E.S., Matsui R., Cohen R.A. and Bolotina V.B.
Mechanism of store-operated calcium influx: identity of ion channels and their activation by calcium influx factor in vascular smooth muscle. *J. Vasc. Res.* 38: 83, (2001)
13. Trepakova E.S. and Bolotina V.B.
Characterization of store-operated non-selective cation channels in vascular smooth muscle cells. *Biophys.J.* 80:616a, (2001)
14. Trepakova E.S. and Bolotina V.B.
Inhibitory effect of nitric oxide on store-operated Ca^{2+} influx in Jurkat cells. *Biophys.J.* 80:616a, (2001)
15. Trepakova E.S., Smani T., Leno E., Bolotina V.M.
Store-operated and trp channels, calcium influx factor and calmodulin in smooth muscle cells. *Biophys.J.*, 82:622a, (2002)
16. Zakharov S.I., Smani T., Bolotina V.M.
Comparative analysis of I_{CRAC} and hidden monovalent cation (MC) current in cardiovascular system. *Biophys.J.*, 82:624a, (2002)
17. Zakharov S.I., Smani T., Macianskiene R., Mubagwa K., Bolotina V.M.
Regulation of the hidden monovalent cation (MC) current by intracellular Mg^{2+} , extracellular polyamines and 2-APB. *Biophys.J.* 82:624a, (2002.)
18. Zakharov S.I., Bolotina V.M.
Hidden monovalent cation current in different types of cells. *Biophys. J.* 84 (2): 553A-553A Part 2 Suppl. S, FEB (2003)
19. Smani T, Zakharov S.I, Leno E, Bolotina V.M.

- Ca²⁺-independent phospholipase A2 is a crucial molecular determinant in store-operated Ca²⁺ influx pathway. Biophys. J. 84 (2): 390A-390A Part 2 Suppl. S, FEB (2003)
20. Zakharov SI, Smani T, Leno E, Csutora P, Trepakova ES, Bolotina VM
Novel mechanism of CaM- and iPLA(2)-dependent activation of store-operated channels Biophys. J. 84 (2): 144A-144A Part 2 Suppl. S, FEB (2003)
21. Trucillo M, Cohen RA, Bolotina VM
Novel role of Ca²⁺-independent iPLA(2) and store-operated cation channels in vascular contraction. Biophys. J. 84 (2): 106A-106A Part 2 Suppl. S, FEB (2003)
22. Zakharov S, Smani T, Dobryднеva Y, Fichandler C, Blackmore PF, Bolotina VM
Diethylstilbestrol (DES) is a potent inhibitor of CRAC channels and store-operated Ca²⁺ influx. Biophys. J. 86 (1): 430A-431A Part 2 Suppl. S, JAN (2004)
23. Dobryднеva Y, Zakharov S, Bolotina V, Blackmore P
Phytoestrogens and their structural analogs inhibit calcium channels in human platelets FASEB J. 18 (4): A99-A99 Suppl. S, MAR 23 (2004)
24. Bolotina VM, Smani T, Zakharov SI, Csutora P, Leno E, Trepakova E
Novel mechanism of store-operated Ca²⁺ influx pathway. FASEB J. 18 (4): A303-A303 Suppl. S, MAR 23 (2004)
25. Smani T, Zakharov SI, Jenkins CM, Gross RW, Hamilton JA, Bolotina VM
Activation of store-operated (capacitative) Ca²⁺ influx is mediated by lysophospholipid products of iPLA(2)β, but not iPLA(2)γ, FASEB J. 18 (4): A702-A702 Suppl. S, MAR 23 (2004)
26. Smani T, Bolotina VM
Regulation of store-operated Ca²⁺ influx by diacylglycerol and PKC may be mediated by Ca²⁺-independent phospholipase A(2). FASEB J. 18 (4): A702-A702 Suppl. S, MAR 23 (2004)
27. Smani T, Zakharov S, Jenkins CM, Gross RW, Bolotina VM
Lysophospholipid products of iPLA(2)-β, but not iPLA(2)-γ, mediate activation of store-operated channels and capacitative calcium influx. Biophys. J. 86 (1): 429A-429A Part 2 Suppl. S, JAN (2004)
28. Smani T, Patel T, Bolotina VM
Complex regulation of store-operated Ca²⁺ influx pathway by PKC and DAG: dependence on iPLA(2) and cell proliferation. Biophys. J. 88 (1): 23A-23A Part 2 Suppl. S, JAN (2005)
29. Park KM, Trucillo M, Serban N, Cohen RA, Bolotina VM
iPLA(2)-dependent activation of store-operated channels plays a crucial role in agonist-induced Ca²⁺ influx and constriction in SMC of cerebral, mesenteric and carotid arteries
Biophys. J. 88 (1): 436A-436A Part 2 Suppl. S, JAN (2005)

30. Smani T, Monje F, Litvinov D, Bolotina VM
iPLA(2) - dependent regulation of I-CRAC and store-operated calcium influx in RBL cells.
Biophys. J. 88 (1): 468A-468A Part 2 Suppl. S, JAN (2005)
31. Smani T, Patel T, Baranovski J, Kirber M, Bolotina VM
Disruption of lipid rafts inhibits store-operated Ca^{2+} influx by impairing lysophospholipid-mediated communication between iPLA(2) and SOC channels.
Biophys. J. 88 (1): 468A-468A Part 2 Suppl. S, JAN (2005)
32. Segawa M., Osowski C.M., Severova S., Yang B., Deeney J. and Bolotina V.M.
Store-operated Ca^{2+} entry mechanism is involved in glucose-induced Ca^{2+} responses and insulin secretion, and is critical for preventing ER stress in primary pancreatic β -cells. 2012 (manuscript in preparation) Abstract published, FASEB J., (2013)
33. Osowski C.M., Zhou Q., Schafer C., Kirber M. and Bolotina V.M.
A new causal relationship between PLA2g6, store-operated Ca^{2+} entry, refilling of Ca^{2+} stores and ER stress in mouse embryonic fibroblasts. (manuscript in preparation) Abstract published, FASEB J., (2013)
34. Korolev S., Csutora P., Peter K., Koroleva O., Subramanyan P., Malley K., Bolotina V.M.
New evidence for dimerization of the short variant of PLA2g6, and regulation of its catalytic activity by Ca^{2+} /calmodulin and Ca^{2+} influx factor. (manuscript in preparation) Abstract published, FASEB J., (2013)
35. Bolotina V.M., Zhou Q., Rymarczyk G., Schafer C., Kirber M.T.
Genetic truncation of PLA2g6 leads to the impairment of endogenous store-operated Ca^{2+} entry (SOCE): new molecular mechanism of STIM1 interaction with PLA2g6 and its critical role for endogenous SOCE. Abstract published, FASEB J., (2013)
36. Thompson M.D., Mei Y., Hou X., Silver M., Bolotina V.M., Cohen R.A., Tong X.
Redox regulation of cysteine-674 of SERCA 2 is critical for growth factor- and ischemia-induced angiogenesis. Abstract published, FASEB J., (2013)