PUBLISHED PAPERS:


49. Olsowski 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


Invited Publications


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


ABSTRACTS:

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


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


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

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

8. **Trepakova E.S., Bolotina V.M**


10. **Trepakova E.S., Lai,K., Bolotina V.B.**


12. **Trepakova E.S., Matsui R., Cohen R.A. and Bolotina V.B.**

13. **Trepakova E.S. and Bolotina V.B.**

14. **Trepakova E.S and Bolotina V.B.**

15. **Trepakova E.S., Smani T., Leno E., Bolotina V.M**

16. **Zakharov S.I., Smani T., Bolotina V.M**

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 SI, Bolotina VM**

19. **Smani T, Zakharov SI, Leno E, Bolotina VM**


21. Trucillo M, Cohen RA, Bolotina VM

22. Zakharov S, Smani T, Dobrydneva Y, Fichandler C, Blackmore PF, Bolotina VM

23. Dobrydneva Y, Zakharov S, Bolotina V, Blackmore P


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)beta, but not iPLA(2)gamma. 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

28. Smani T, Patel T, Bolotina VM

29. Park KM, Trucillo M, Serban N, Cohen RA, Bolotina VM
30. Smani T, Monje F, Litvinov D, Bolotina VM
   iPLA(2) dependent regulation of I-CRAC and store-operated calcium influx in RBL cells.

31. Smani T, Patel T, Baranovski J, Kirber M, Bolotina VM
   Disruption of lipid rafts inhibits store-operated Ca2+ influx by impairing
   lysophospholipid-mediated communication between iPLA(2) and SOC channels.

32. Segawa M, Olsowski 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

33. Olsowski 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)

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 Ca2+/calmodulin and Ca2+ 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 Ca2+ 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)