CURRICULUM VITAE

Name	**Tullio Pozzan**
Born	Venice Feb. 22nd, 1949
Address	Vicolo dei Conti 5, Padova
Academic Position	Full Professor of General Pathology
1973	Graduated in Medicine, maxima cum laude, at the University of Padova
1974-1983	Assistant Professor of General Pathology
1983-1986	Associate Professor of General Pathology
1986-	Full Professor of General Pathology

International experience

1978-1981	Long term EMBO fellowship to work at the Dept of Biochemistry, University of Cambridge, U.K.
1985	Visiting Professor at the University of Geneva, Switzerland
1998	Visiting Professor at the Curie Institute (Paris, France)

Regular periods of work at the University of Geneva (Prof. Wollheim and Lew) and LaJolla (Prof. R.Y. Tsien, Nobel Laureate 2008).

Editorial Activity

1991-2004	Member of the Editorial Board of J. Neurochemistry.
1992-1994	Member of the Editorial Board of EMBO J.
1995-2000	Member of the Editorial Board of Cell Calcium
1998-2002	Member of the Editorial Board of Biochim.Biophys. Acta
1998-	Member of the Editorial board of IUBMB
2001-2011	Member of the Editorial board of Physiology
2006-2013	Member of the Editorial board of J. Biol. Chem.
2008-2014	Member of the Editorial board of Physiol. Rev.
2010-	Member of the Editorial Board of Cell Calcium

Memberships and recent awards

1994-	Member of the European Molecular Biology Organization, EMBO.
1997-	Member of the Academia Galileiana
1998-	Member of the Academia Europaea
1999-2001	President of the European Cell Biology Organisation (ECBO)
2000	Feltrinelli Prize for Medicine (awarded by the Accademia dei Lincei)
2001	President of the Gordon Conference on Ca2+ signalling.
1999- 2004	President of the Italian Society of Cell Biology

2001	Member of the Accademia dei Lincei
2001	Teodor Bucher medal (awarded by FEBS)
2006-	Member of the National Academy of Sciences of the USA (section Physiology and Pharmacology)
2008	Murlin Medal (Rochester, NY)
2007-	Member of the "Istituto Veneto di Scienze,Lettere ed Arti"
2011	Laurea ad Honorem, University of Geneva (Switzerland)
2012	Science Europe (SE) – Italian representative in the Scientific Committee for Medicine
2013	Fellow of the Royal Society of Canada

Recent International Keynote Lectures

2005	Keynote Lecture at the European Neuroscience Congress (Lisbon)
2006	Keynote Lecture at the FASEB Conference on Ca2+ signalling
2009	Keynote Lecture at the Federation of the European Physiological Societies
2009	Plenary Lecture at the Gordon Conference on Ca2+ signalling
2010	Plenary Lecture at the European Bioenergetics Conference (Warsaw, Pol)
2010	Keynote Lecture at the Advanced Studies Exploratory Workshop (PWIAS) Nanospace Biophysics (Vancouver, CA)
2013	State of the art Lecture at the Gordon Conference on Ca2+ signalling
2014	Plenary Lecture at the FASEB Conference on Ca2+ signalling

Managing experience

1992-2003	Director of the Department of Biomedical Sciences, University of Padova
1995-2001	Coordinator of two European Networks (Human Capital and Mobility)
1996-2000	Coordinator of the Padua research group awarded the Armenise-Harvard grant
1999-	Cofounder of the Venetian Institute of Molecular Medicine (VIMM)
1999-2005	Scientific Vice Director of the VIMM
2003-2004	Coordinator of a Centre of Excellence awarded by the Italian Ministry of University
2002-2017	Member of the General Council of the "CARIPARO" Foundation and Coordinator of the Section on Scientific Research and Education (annual budget 15-20 Million euros)
2004-2009	Member of the "Academic Senate" of the University of Padua
2003-2008	Director of the PhD School of "Biosciences"
2005-2008	Director of the Interdepartmental Centre for the study of cell signals
2005-2014	Scientific Director of VIMM
2009-2013	Director of the CNR Institute of Neuroscience

2013-	Director of the Department of Biomedical Sciences of Italian National Research Council (CNR)
2017	President of the Monasterio Foundation (Pisa)

Recent Evaluation Experience

2004-2007	Member of the International Scientific Board of Telethon
2003-2007	Member of the International Scientific Board of the Centre of excellence in Neuroscience of Goettingen
2004	Member of the International Scientific Committee for the Neuroscience Centre of the Riken Institute
2007-2010	Member of the Scientific Board of the Armenise Harvard Foundation
2011-	Member of the Reviewing Committee of ERC Junior Grants
2013-	Member of the Reviewing Committee of ERC Consolidator and Junior Grants
2017	President of the evaluation committee for CariPisa grants
2018	President of the International Scientific Committee of the Neuroscience Section of the San Raffele Hospital

Recently Awarded Grants

2010-2013	EUTRIGTREAT (from the European Community) 600.000 Euros
2010-2013	RISIB (from the Veneto Region) Total award 2.000.000 Euros, exclusively for Instruments
2009-2012	Ca2+ signalling at the subcellular level (from the Italian Institute of Technology) 390.000 Euros
2011-2014	FIRB (from the Italian Ministry of University). Prof. Pozzan is the coordinator of a grant awarded in total 3.000.000 Euros, of which 1.000.000 for Pozzan's group
2011-2012	PRIN (from the Italian Ministry of University) 100.000 Euros
2012-2013	CNR 600.000 Euros, Aging project
2014-2015	Multicenter Eurobioimaging Project 500.000 Euros
2016-2019	Telethon grant on Familial Alzheimer 180.000 Euros
2016-2019	MIUR grant on Astrocytes signalling 170.000 Euros

Bibliometric data on Articles and reviews

Results found: 336
Sum of the Times Cited : 42,166
h-index: 107 (Google Scholar)

After the MD degree, I was trained in bioenergetics and early I made two important discoveries. First, I determined the H^+/e^- stoichiometry at the various sites of the respiratory chain, elucidating the mechanism coupling H^+ transport to electron flow in the mitochondria (Pozzan et al. 1979. ***Proc. Natl. Acad. Sci. USA 76***: 2123-2127). Second, I laid the now accepted basis for the role of the mitochondria in Ca^{2+} homeostasis by characterising the organellar influx and efflux properties of the cation (Pozzan et al. 1979***. Biochemistry 18***: 5971-5978). While in Cambridge (UK) I contributed to the development of a new revolutionary technique for the measurements of cytosolic Ca^{2+} and pH in living cells published in 1982 (Tsien et al. ***Nature 1982***: 295, 68-72, Pozzan et al. ***J. Cell Biol.*** 1982: 94, 335). This allowed me to probe for the role of Ca^{2+} in a wide variety of cellular

processes, in particular the activation of lymphocytes and neutrophils. It became clear that Ca^{2+} shares intracellular messenger functions with other signalling pathways as demonstrated in human neutrophils for protein kinase C (Di Virgilio et al. ***Nature*** **310**: 691-693, 1984). In further work during the 1980's I addressed the molecular characterisation of the Ca^{2+}-storing organelle from which the ion is mobilised by cell surface receptor agonists. I realised that the complete understanding of Ca^{2+} homeostasis in physiology and pathophysiology necessitates the precise measurements of the cation in the different cellular compartments. This became possible in 1992 when together with my young colleagues I published in Nature a genetic approach for the measurement of Ca^{2+} fluctuations in the mitochondria of living cells. For this purpose, the Ca^{2+} sensitive photoprotein aequorin was targeted to the organelle (Rizzuto et al. ***Nature, 1992:*** 358,325-327). This lead to a break-through in the understanding of how the mitochondria participate in shaping the response of the cell by acting as Ca^{2+} sensors in microdomains of high intracellular cytosolic Ca^{2+} concentration (Rizzuto et al, **Science 262:** 744, 1993). Targeted aequorin also helped to elucidate the functional compartmentalisation of the Ca^{2+} storing endoplasmic reticulum. Further, the controversy whether nuclear Ca^{2+} is regulated distinctly from cytosolic Ca^{2+} could be solved. I have dedicated much of my efforts to developing novel techniques with the ultimate goal of answering important physiopathological questions. My group was the first to show that it is possible to express the green fluorescent protein (GFP) in mammalian cells and that it can be targeted to intracellular organelles without perturbing their function (Rizzuto et al, **Current Biology 5**: 635-642, 1995). This widely used technique has unravelled hitherto unknown structure-function relationships in cell biology. Thus, by using two different GFP chimeras, we could show that mitochondria are tubular structures which form a network and establish numerous contact points with the endoplasmic reticulum. We could also demonstrate that the mitochondria sense Ca^{2+} mobilised by receptor agonists under physiological conditions, thus opening a new avenue in the understanding of the role of these organelles in cell physiology and pathology (Rizzuto et al, **Science 280**: 1763-1766, 1998). The other universal intracellular messenger, cAMP has also become amenable to monitoring in living cells through a new technique established by my group. To this end, the two subunits of cAMP-dependent protein kinase were tagged with suitable GFP derivatives allowing fluorescence resonance energy transfer between the subunits of the kinase (Zaccolo et al, **Nature Cell Biol**. 2: 25-29, 2000). Using this methodology we could demonstrate the existence of microdomains of cAMP generated by □□ adrenergic stimu cardiomyocytes (Zaccolo and Pozzan **Science** 29: 1711-1715). Finally over the last few years together with my coworkers I have contributed novel insights into the role of Ca^{2+} signaling in the crosstalk between neurons, astrocytes and blood vessels in the CNS (Zonta et al. **Nature Neurosci.** 2003 6: 43-50 and Fellin et al. **Neuron** 2005 43, 729-743) and we have unraveled the major role played by Ca2+ in the control of apoptotic cell death (Pinton et al. 2001 **EMBO J.** 20: 2690-2701, Pinton et al. 2000 **J. Cell Biol.** 148: 857-862, Scorrano et al. 2003, **Science** 300: 135-139. More recently I contributed to the understanding of novel aspects of the physiopathology of signalling in *in vitro* models of physiopathological importance, i.e. cardiac hypertrophy and muscle stem cell differentiation in response to high glucose (Colella et al. 2008 **Proc Natl Acad Sci U S A**105, 2859-64 and Aguiari et al 2008 **Proc Natl Acad Sci U S A.** 105, 1226-31). Finally in the last years I provided the first direct demonstration of the existence of high Ca2+ microdomains on the cytosolic surface of mitochondria (Giacomello et al. 2010 **Mol. Cell.** 38, 280-90), the first measurement of luminal Ca2+ in the trans Golgi subcompartment (Lissandron et al. 2010 **Proc. Natl. Acad. Sci. USA** 107, 9198-203) and the demonstration of an autonomous cAMP signalling system controlled by Ca2+ and NaCO3 within the mitochondrial matrix (DiBenedetto et al. **Cell Metabolism,** 2013, 17, 965-75). Dr. Pozzan has trained many scientists who now hold important academic positions in Italy and many European countries. Both his own group, his formal collaborators and the scientific community in general are currently applying the aforementioned cutting edge methodology to characterise disturbed cell function in various pathophysiological states, including muscular dystrophy and mitochondrial diseases. Dr. Pozzan, who continues to

conduct experiments in the laboratory despite his administrative duties, is an inspired leader of his own group, and has acted as the catalyst of numerous highly fruitful collaborations.

Publications (Original Articles, Reviews and Book Chapters)

Original Articles

1. BRAGADIN M., DELL'ANTONE P., **POZZAN T**., VOLPATO O., AZZONE G.F.
ESR determination of Mn^{++} uptake and binding in mitochondria. 1975. FEBS Lett. 60, 354

2. AZZONE G.F., MASSARI S., **POZZAN T**.
I. Mechanism of active shrinkage in mitochondria. Coupling between weak electrolyte fluxes. 1976. Biochim. Biophys. Acta 423, 27

3. AZZONE G.F., MASSARI S., **POZZAN T**.
II. Mechanism of active shrinkage in mitochondria. Coupling between strong electrolyte fluxes. 1976. Biochim. Biophys. Acta 423, 27

4. MASSARI S., **POZZAN T**.
The accumulation ratio of permeant cations under steady state conditions. 1976. Arch. Biochem. Biophys. 173, 332

5. MASSARI S., **POZZAN T**.
The interaction of organic cations with the mitochondrial membrane.1976. Experientia 32, 868

6. **POZZAN T**., AZZONE G.F.
The coupling of electrical ion fluxes in rat liver mitochondria.1976. FEBS Lett. 71, 62

7. AZZONE G.F., BRAGADIN M., **POZZAN T**., DELL'ANTONE P.
Proton electrochemical potential in steady state rate liver mitochondria.1976. Biochim. Biophys. Acta 459, 96

8. **POZZAN T**., BRAGADIN M., AZZONE G.F.
The effect of endogenous phosphate on the H^+/Mn^{2+} ratio and the state of Mn^{2+} in the mitochondrial matrix. 1976. Eur. J. Biochem. 71, 93

9. **POZZAN T**., AZZONE G.F.
Effect of Ruthenium Red on Ca^{++} influx and efflux in mitochondria. 1977. Bull. Mol. Biol. Med. 2, 29

10. AZZONE G.F., **POZZAN T**., MASSARI S., BRAGADIN M. and DELL'ANTONE P.
H^+/site ratio and steady state distribution of divalent cations in mitochondria.1977. FEBS Lett. 78, 21

11. **POZZAN T**., BRAGADIN M., AZZONE G.F.

The disequilibrium between steady state Ca^{++} accumulation ratio and membrane potential in mitochondria. Pathway and role of Ca^{++} efflux.1977. Biochemistry 16, 5618

12. AZZONE G.F., **POZZAN T**., VIOLA E., ARSLAN P.
Proton electrochemical gradient and phosphate potential in submitochondrial particles.1978. Biochim. Biophys. Acta 501, 317

13. AZZONE G.F., **POZZAN T**., MASSARI S.
Proton electrochemical gradient and phosphate potential in mitochondria.1978. Biochim. Biophys. Acta 501, 307

14. AZZONE G.F., **POZZAN T**., MASSARI S.
Proton electrochemical gradient and rate of controlled respiration in mitochondria.1978. Biochim. Biophys. Acta 501, 296

15. POZZAN T., DI VIRGILIO F., BRAGADIN M., MICONI V., AZZONE G.F.
H^+/site, charge/site and ATP/site ratios in mitochondrial electron transport.1979. Proc. Natl. Acad. Sci. USA 76, 2123

16. POZZAN T., MICONI V., DI VIRGILIO F., AZZONE G.F.
H^+/site, charge/site and ATP/site ratio at coupling sites I and II in mitochondrial electron transport.1979. J. Biol. Chem. 254, 10200

17. AZZONE G.F., **POZZAN T**., DI VIRGILIO F.
H^+/site, charge/site and ATP/site ratio at coupling site III of mitochondrial electron transport.1979. J. Biol. Chem. 254, 10206

18. AZZONE G.F., **POZZAN T**., BRAGADIN M., MICONI V.
Thermodynamics and kinetics of the H^+ pump in mitochondrial electron transport.1979. J. Biol. Chem. 254, 10213

19. BRAGADIN M., **POZZAN T**., AZZONE G.F.
The activation energies and entalpies during Ca^{++} transport in rat liver mitochondria.1979. FEBS Lett. 104, 347

20. BRAGADIN M., **POZZAN T**., AZZONE G.F.
Kinetics of Ca^{++} carrier in rat liver mitochondria.
1979. Biochemistry 18, 5971

21. MONTECUCCO C., **POZZAN T**., RINK T.
Dicarbocyanine fluorescent probes of membrane potential block lymphocyte capping, deplete cellular ATP and inhibit respiration of isolated mitochondria.1979. Biochim. Biophys. Acta 552, 552

22. MONTECUCCO C., RINK T., **POZZAN T**., METCALFE J.C.
Triggering of lymphocyte capping appers not to require changes in potential or ion fluxes across the plasma membrane.1980. Biochim. Biophys. Acta 595, 65

23. POZZAN T., CORPS A.N., MONTECUCCO C., HESKETH T.R., METCALFE J.C.

Cap formation by various ligands on lymphocytes shows the same dependence on high cellular ATP levels.1980. Biochim. Biophys. Acta 602, 558

24. CORPS A.N., **POZZAN T**., HESKETH T.R., METCALFE J.C.
Cis-unsaturated fatty acids inhibit cap formation on lymphocytes by depleting cellular ATP.1980. J. Biol. Chem. 253, 10566

25. ARSLAN P., MONTECUCCO C., CELI D., **POZZAN T**.
Effect of monovalent cation ionophores on lymphocyte cellular metabolism.1981. Biochim. Biophys. Acta 643, 177

26. POZZAN T., CORPS A.N., HESKETH T.R., METCALFE J.C.
Mitogenic stimulation and the redistribution of Concanavalin A receptors on lymphocytes.1981. Exp. Cell Res. 134, 399

27. MONTECUCCO C., BALLARDIN P., ZACCOLIN P., **POZZAN T**.
Effect of local anaesthetics on lymphocyte capping and energy metabolism.1981. Biochem. Pharmacol. 30, 2988

28. TSIEN R.Y., **POZZAN T**., RINK T.J.
T cell mitogens cause early changes in cytoplasmic free Ca^{2+} and membrane potential in lymphocytes.1982. Nature 295, 68

29. TSIEN R.Y., **POZZAN T**., RINK T.J.
Calcium homeostasis in intact lymphocytes: cytoplasmic free calcium monitored with a new, intracellularly trapped fluorescent indicator.1982. J. Cell Biol. 94, 325

30. POZZAN T., ARSLAN P., TSIEN R.Y., RINK T.J.
Antiimmunoglobulin, cytoplasmic free calcium and capping in B-lymphocytes.1982. J. Cell Biol. 94, 335

31. RINK T.J., TSIEN R.Y., **POZZAN T**.
Cytoplasmic pH and free magnesium in lymphocytes. 1982. J. Cell Biol. 95, 229

32. CORPS A.N., METCALFE J.C., **POZZAN T**.
Kinetic evidence for a common mechanism of capping in lymphocytes. 1982. Biochem. J. 204, 229

33. BRAGADIN M., **POZZAN T**., AZZONE G.F.
Nature of the electron spin resonance signal during aerobic uptake of Mn2+ in mitochondria from rat liver. 1983. Eur. J. Biochem. 134, 385

34. BAUMGARTEN E., BRAND M.D., **POZZAN T**.
Mechanism of activation of pyruvate dehydrogenase by mitogens in pig lymphocytes. 1983. Biochem. J. 216, 359

35. ARSLAN P., CORPS A.N., HESKETH T.R., METCALFE J.C., **POZZAN T**.
Cis unsaturated fatty acids uncouple mitochondria and stimulate glycolysis in intact lymphocytes.1983. Biochem. J. 212, 685

36. HESKETH T.R., **POZZAN T**., SMITH G.A., METCALFE J.C.

Limits to the eraly increase in free cytoplasmic calcium during the mitogenic stimulation of lymphocytes.1983. Biochem. J. 212, 685

37. LEW D.P., WOLLHEIM C.B., **POZZAN T**.
Cytosolic free calcium changes induced by the chemotactic peptide f Met-Leu-Phe in neutrophils from patients with cronic granulomatous disease.1983. Blood 63, 231

38. POZZAN T., LEW D.P., WOLLHEIM C.B., TSIEN R.Y.
Is cytosolic free calcium regulating neutrophil functions? 1983. Science 221, 1413.

39. WOLLHEIM C.B., **POZZAN T**.
Correlation between cytosolic free Ca^{2+} and insulin release in an insulin secreting cell line.1984. J. Biol. Chem. 259, 2262

40. MELDOLESI J., HUTTNER W.B., TSIEN R.Y., **POZZAN T**.
Free cytoplasmic Ca^{2+} and neurotransmitter release. Studies in PC12 cells and synaptosomes exposed to Latrotoxin. 1984. Proc. Natl. Acad. Sci. USA 81, 620

41. GENNARO R., **POZZAN T**., ROMEO D.
Monitoring of cytosolic free calcium in C5a stimulated neutrophils. Loss of receptor modulated calcium stores and calcium uptake in granule free neutroplasts.1984. Proc. Natl. Acad. Sci. USA 81, 1416

42. LEW D.P., DAYER J.M., WOLLHEIM C.B., **POZZAN T**.
Effect of leukotriene B_4, prostaglandin E_2 and arachidonic acid on cytosolic free calcium in human neutrophils.1984. FEBS Lett. 66, 44

43. LAGAST J., **POZZAN T**., WALVOGEL F., LEW D.P.
PMA stimulates the ATP-dependent calcium transport by the plasma membrane of neutrophils.1984. J. Clin. Invest. 73, 878

44. MADEDDU L., MELDOLESI J., **POZZAN T**., CORDONA SANCLEMENTE L.E., BON C.
α-Latrotoxin and glycerotoxin differ in target specificity and in the mechanism of their neurotransmitter action. 1984.
Neuroscience 12, 939

45. DI VIRGILIO F., LEW D.P., **POZZAN T**.
Activation of exocytosis and NADPH oxidase at vanishingly low cytosolic free Ca^{2+} levels.1984. Nature 310, 691

46. POZZAN T., GATTI G., DOZIO N., VICENTINI L.M., MELDOLESI J.
Ca^{2+}-dependent and Ca^{2+}-independent release of neurotransmitters from PC12 cells. A role for protein kinase C activation? 1984. J. Cell Biol. 99, 628

47. LEW D.P., WOLLHEIM C.E., WALVOGEL F.A., **POZZAN T**.
Modulation of cytosolic free calcium transients by changes in intracellular calcium buffering capacity: correlation with exocytosis and O^{-2} production in human neutrophils.1984. J. Cell Biol. 99, 1212

48. BERNARDI P., PARADISI V., **POZZAN T**., AZZONE G.F.
Pathway for uncoupler-induced calcium efflux in rat liver mitochondria: inhibition by Ruthenium Red. 1984. Biochemistry 23, 1645

49. WOLLHEIM C.B., ULLRICH S., **POZZAN T**.
Glyceraldehyde, but not cyclic AMP-stimulated insulin release is preceeded by a rise in cytosolic free Ca^{2+}. 1984. FEBS Lett. 177, 17

50. TSIEN R.Y., RINK T.J., **POZZAN T**.
Measurement of cytosolic free calcium in intact cells using intracellular fluorescent indicators.1984. Trends Biochem. Sci. 9, 263

51. ARSLAN P., DI VIRGILIO F., BELTRAME M., TSIEN R.Y., **POZZAN T**.
Cytosolic free calcium,$[Ca^{2+}]_i$ homeostasis in Ehrlich and Yoshida carcinomas. A new membrane permeable heavy metal chelator reveals that these undifferentiated tumor cells have a normal $[Ca^{2+}]_i$. 1985. J. Biol. Chem. 260, 2719

52. VICENTINI L.M., AMBROSINI A., DI VIRGILIO F., **POZZAN T**., MELDOLESI J.
Muscarinic receptor-induced phosphoinositide hydrolysis at resting cytosolic Ca^{2+} concentration in PC12 cells. 1985. J. Cell Biol. 100, 1330

53. VICENTINI L.M., DI VIRGILIO F., AMBROSINI A., **POZZAN T**., MELDOLESI J.
Tumor promoter phorbol 12-myristate-13-acetate inhibits phosphoinositide hydrolysis and cytosolic Ca2+ rise induced by the activation of muscarinic receptors in PC12 cells. 1985. Biochem. Biophys. Res. Commun. 127, 310

54. DI VIRGILIO F., VICENTINI L.M., TREVES S., RIZ G., **POZZAN T**.
Inositol phosphate formation in f-Met-Leu-Phe stimulated human neutrophils does not require an increase in the cytosolic free Ca^{2+} concentration. 1985. Biochem. J. 229, 361

55. LEW D.P., ANDERSSON T., DI VIRGILIO F., **POZZAN T**., STENDHAL O.
Ca^{2+} dependent and independent mechanisms of phagocytosis in human neutrophils. 1985. Nature 315, 509

56. MADEDDU L., **POZZAN T**.,ROVELLO M.,ROLANDI R., HSIAO T.H.,MELDOLESI J.
Leptinotoxin-h action in sinaptosomes, neurosecretory cells and artificial membranes. Stimulation of ion fluxes. 1985. J. Neurochem. 45, 1708

57. VOLPE P., SALVIATI G., DI VIRGILIO F., **POZZAN T**.
Inositol-1.4.5-trisphosphate induces calcium release from sarcoplasmic reticulum of skeletal muscle. 1985. Nature 316, 347

58. DI VIRGILIO F., SALVIATI G., **POZZAN T**., VOLPE P.
Is a guanine nucleotide protein involved in excitation- contraction coupling in skeletal muscle? 1986. EMBO J., 5, 259

59. POZZAN T., DI VIRGILIO F., VICENTINI L.M., MELDOLESI J.
Activation of muscarinic receptors in PC12 cells. I. Stimulation of Ca^{2+} influx and redistribution. 1986. Biochem. J. 234, 547

60. DI VIRGILIO F., **POZZAN T**., WOLLHEIM C., VICENTINI L.M., MELDOLESI J.
Tumor promoter phorbol myristate acetate inhibits Ca^{2+} influx through voltage-gated Ca^{2+} channels in two secretory cell lines, PC12 and RINm5F. 1986. J. Biol. Chem. 261, 32

61. VICENTINI L.M., AMBROSINI A., DI VIRGILIO F., MELDOLESI J., **POZZAN T**.
Activation of muscarinic receptors in PC12 cells. II. Correlation between cytosolic Ca^{2+} rise and phosphoinositide hydrolysis. 1986. Biochem. J. 234, 555

62. BRUZZONE R., **POZZAN T**., WOLLHEIM C.B.
Caerulein and carbamylcholine stimulate pancreatic amylase release at resting cytosolic free Ca^{2+}. 1986. Biochem. J. 235, 139-143

63. LEW D.P., MONOD A., WALDVOGEL F.A., DEWALD B., BAGGIOLINI M., **POZZAN T**.
Quantitative analysis of the cytosolic free calcium dependency of exocytosis from three subcellular compartments in intact human neutrophils. 1986. J. Cell Biol. 102, 2197

64. JACOPETTA B., CARPENTIER J.L., **POZZAN T**., LEW P.D., GORDEN P., ORCI L.
Role of intracellular calcium and protein kinase C in the endocytosis of transferrin and insulin by HL60 cells. 1986. J. Cell Biol. 103, 891

65. ANDERSSON T., DAHLGREN C., **POZZAN T**., STENDAHL O., LEW D.P.
Characterization of f-Met-Leu-Phe receptor mediated Ca^{2+} influx across the plasma membrane of human neutrophils. 1987. Mol. Pharm. 30, 437

66. TREVES S., DI VIRGILIO F., VASELLI G.M., **POZZAN T**.
Effects of cytochalasin on cytosolic free calcium concentration and phosphoinositide metabolism in leukocytes. 1987. Exp. Cell Res. 168, 285

67. DI VIRGILIO F., LEW P.D., ANDERSSON T., **POZZAN T**.
Plasma membrane potential modulates chemotactic peptide- stimulated cytosolic free Ca^{2+} changes in human neutrophils. 1987. J. Biol. Chem. 262, 4574

68. LEW P.D., MONOD A., WALDVOGEL F.A., **POZZAN T**.
Role of cytosolic free calcium and phospholipase C in leukotriene B_4 stimulated secretion in human neutrophils. 1987. Eur. J. Biochem. 162, 161

69. WANKE E., FERRONI A., MALGAROLI A., AMBROSINI A., MELDOLESI J., **POZZAN T**.
Activation of muscarinic receptors selectively inhibits a rapidly inactivating Ca^{2+} current in mammalian symphatetic neurons. 1987. Proc. Natl. Acad. Sci. U.S.A. 84, 4313-4317.

70. MALGAROLI A., MILANI D., MELDOLESI J., **POZZAN** T.
Fura-2 measurement of cytosolic free calcium in monolayers and suspensions of various types of animal cells. 1987 J. Cell Biol. 105, 2145

71. TREVES, S., DI VIRGILIO F., CERUNDOLO V,, ZANOVELLO P., COLLAVO D., **POZZAN T**.

Calcium and inositol phosphates in the activation of T cell-mediated cytotoxicity. 1987. J. Exp. Med. 1987, 166, 33

73. MALGAROLI, A., VALLAR L., REZA ELAHI F., **POZZAN T**., SPADA A., MELDOLESI T.
Dopamine inhibits cytosolic Ca^{2+} increases in rat lactotroph cells. 1987. J. Biol. Chem. 262, 13920

74. PANTALEO G., OLIVE D., POGGI A., **POZZAN T**., MORETTA C., MORETTA A.
Antibody induced modulation of the CD3-T cell receptor complex causes T cell refractoriness by inhibiting the early metabolic steps involved in T cell activation. 1987. J. Exp. Med. 166, 619

75. DI VIRGILIO F., MILANI D., LEON A., MELDOLESI J., **POZZAN T.**
Voltage-dependent activation and inactivation of Ca^{2+} channels in PC12 cells: correlation with neurotransmitter release. 1987. J. Biol Chem 262,9189.

76. VOLPE P., KRAUSE K.H., HASHIMOTO S., ZORZATO F., **POZZAN T**., MELDOLESI J., LEW D.P.
Calciosome a cytoplasmic organelle: the inositol 1,4,5 trisphosphate-sensitive Ca^{2+} store of non muscle cells ? 1988. Proc. Natl. Acad. Sci. U.S.A. 85, 1091

77. HASHIMOTO S., BRUNO B., LEW D.P., **POZZAN T**., VOLPE P., MELDOLESI J.
Immunocytochemistry of calciosomes in liver and pancreas. 1988. J. Cell Biol.107,

78. FASOLATO C., PANDIELLA A., MELDOLESI J., **POZZAN T**.
Generation of inositol phosphates, cytosolic Ca^{2+}, and ionic fluxes in PC12 cells treated with bradykinin. 1988. J. Biol. Chem. 263,17350

79. GATTI G., MADEDDU L., PANDIELLA A., **POZZAN T**., MELDOLESI J.
Second messenger generation in PC12 cells I^{o}. 1988. Biochem. J. 225,752

80. MELDOLESI J., GATTI G., AMBROSINI A., **POZZAN T**., WESTHEAD E.W.
Second messenger control of catecholamine release in PC12 cells II^{o}. 1988. Biochem J. 225,761

81. CAVALLINI G., **POZZAN T**., SELVATICI R., BARICORDI R., MAZZILLI C., GANDINI E.
Monoclonal antibodies against HLA class I antigens inhibit human lymphocyte proliferation but do not affect mitogen dependent second messenger generation. 1988. Biochem. Biophys. Res. Comm. 194, 712

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