CURRICULUM VITAE

Name: **ANDREW PHILIP THOMAS**

Work Address: Department of Pharmacology, Physiology & Neuroscience
New Jersey Medical School, MSB H609
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Education

University of Bristol, Bristol, U.K. 1974-1978.
B.Sc. (Hons.) in Biochemistry

University of Bristol, Bristol, U.K. 1978-1981
Ph.D. in Hormonal Control of Metabolism

Postdoctoral training

Department of Biochemistry and Biophysics, University of Pennsylvania, Philadelphia, PA. 1981-1983

University Appointments:

Research Associate, Department of Biochemistry, University of Bristol Medical School, Bristol, U.K. 1983-1985

Assistant Professor, Department of Pathology, Hahnemann University, Philadelphia, PA. 1985-1986

Assistant Professor, Department of Pathology and Cell Biology, Thomas Jefferson University, Philadelphia, PA. 1986-1989

Associate Professor, Department of Pathology and Cell Biology, Thomas Jefferson University, Philadelphia, PA. 1989-1994

Professor, Department of Pathology, Anatomy and Cell Biology, Thomas Jefferson University, Philadelphia, PA. 1994-1997

Adjunct Professor, Department of Pathology, Anatomy and Cell Biology, Thomas Jefferson University, Philadelphia, PA. 1997-Present

Professor and Chair, Department of Pharmacology and Physiology, New Jersey Medical School of Rutgers University (formerly UMDNJ*), Newark, NJ. 1997-2015

Professor and Chair, Department of Pharmacology, Physiology and Neuroscience, New Jersey Medical School of Rutgers University, Newark, NJ. 2015-Present

Senior Associate Dean, Graduate School of Biomedical Sciences at New Jersey Medical School of Rutgers University (formerly UMDNJ*), Newark, NJ. 2009-2017

Senior Associate Dean, School of Graduate Studies, Rutgers University. 2017-Present

Visiting Professor, Institute for Applied Molecular Medicine, CEU San Pablo University Medical School, Madrid. 2012-Present.

**New Jersey Medical School (NJMS) and the Graduate School of Biomedical Sciences (GSBS) were part of the University of Medicine and Dentistry of New Jersey (UMDNJ) until July 1, 2013, when these schools and most of the other units of UMDNJ were merged into Rutgers, The State University of New Jersey.*

Major Administrative Responsibilities:

Senior Associate Dean, Rutgers Graduate School of Biomedical Sciences at New Jersey Medical School. 2009-Present

Chair, Department of Pharmacology, Physiology & Neuroscience, Rutgers New Jersey Medical School. 2015-Present

Chair, Department of Pharmacology and Physiology, Rutgers New Jersey Medical School. 1997-2015

Awards and Honors:

Medical Research Council Studentship. 1974-1978

Juvenile Diabetes Foundation Postdoctoral Fellowship 1982-1983

Alfred P. Sloan Foundation Faculty member. 2007-Present

The Thomas P. Infusino Endowed Chair, New Jersey Medical School. 2006-Present

Major Committee Assignments:

National and Regional:

NSF Cellular Physiology Advisory Panel. 1988-1992

Special Review Committees for NIH (NHLBI, NIAAA and NIGMS). 1991-2011

NIH Physiology Study Section. 1996-1998

NIH Cell Biology 2 Study Section. 1998-2000

NIH MARC-7 Study Section for Institutional Minority Research Programs (NIGMS) 2001-2006, Chair 2006

NIH Cell Biology Special Emphasis Panel. 2011

Gordon Conference on Calcium Signaling. Vice-Chair, 1996-97; Chair, 1998-99

Foundation for Science and Technology, Portugal, Grant Review Panel on Molecular and Genetic Medicine and Immunology. Chair, 2000-2004

Extramural Research Portfolio Review for National Institute on Alcohol Abuse and Alcoholism. 2000

External Review of NIH NICHD Endocrine Branch intramural program. 2003

External Review for University of Padova, Italy, Faculty of Medical Sciences. 2006

External Review for University of Padova, Italy, Faculty of Veterinary Sciences. 2008

External Review of NIH NIEHS Division of Intramural Research. 2010

External Review of NIH NICHD intramural program. 2011

External Review of NIH NICHD intramural program. 2015

Medical/Graduate School:

Faculty Council of NJMS. 1997-Present

GSBS Executive Council. 1997-Present, Chair 2009-Present

New Jersey Dental School Executive Council. 1997-2013

Rutgers School of Dental Medicine Executive Council. 2013-Present

GSBS Graduate Council. 2008-Present, Chair 2008-2009

Academic Programs and Policies Committee of NJMS. 1998-2003, Vice-Chair, 1998-1999; Chair, 1999-2003

Out-of-Cycle Revision Committee of UMDNJ. Chair, 1998-2002

Scientific Advisory Board, Neurological Institute of New Jersey. 2001-2005

NJMS Strategic Planning Committee. 2001-2004

NJMS Compensation Analysis Steering Committee. 2001-2002

NJMS Compensation Analysis Measures & Compensation Design Team. 2001-2004

NJMS Finance Committee 2002-2005

NJMS Mission-Based Management Education Committee. Chair 2005-present.

NJMS Dean's Executive Group. 2002-2005

Postdoctoral Affairs Advisory Committee. 2002-2007

Masters in Biological Sciences Program Committee. 2002-2007

NHLBI Minority Training Grant Advisory Board Member. 2001-2008

UMDNJ Middle States Accreditation Committee on Faculty and Academic Environment. Co-chair, 2003-2005

NJMS LCME Accreditation Steering Committee. 2003-2005

NJMS LCME Accreditation Committee on Institutional Setting. 2003-2005

H1N1 Task Force (UMDNJ). 2009-2010

NJMS Dean's Senior Management Team. 2009-Present.

GSBS Bylaws Committee, 2010-2011

SGS Bylaws Committee, 2016-2017

Middle States Assessment Task Force, 2010-2012

NJMS Grading Policies Task Force, 2010-2011

NJMS Strategic Plan Steering Committee. 2011-2012

Rutgers-UMDNJ Academic & Educational Programs Integration Team. 2012-2013.

Rutgers University Brain Health Institute Advisory Board. 2015-Present

SGS Executive Council, 2017-Present

SGS Dean's Advisory Council (*ex officio*), 2017-Present

Medical Science Building Renovation Steering Committee. 2017-present

Department:

Department of Pharmacology and Physiology, Chair of Faculty. 1997-Present

Department of Pharmacology and Physiology Graduate Program Committee. 1997-1999

Department of Pharmacology and Physiology Faculty Search Committee. 1997-1999

Cell Biology Graduate Committee, Thomas Jefferson University. 1987-1997

Alcohol Research Center Executive Committee, Thomas Jefferson University. 1992-1997

Editorial Boards:

Editorial Board of Journal of Biological Chemistry. 1993-1998

Editorial Board of American Journal of Physiology. 1996- 2005

Editorial Board of Cell Calcium. 1999-2002

Editorial Board of Journal of Biological Chemistry. 2003-2009

Associate Editor of Frontiers in Physiology. 2010-2013

Memberships, Offices and Committee Assignments in Professional Societies:

Biochemical Society. Member 1979-Present

American Society for Biochemistry and Molecular Biology. Member 1986-Present

Research Society on Alcoholism. Member 1988-Present

American Association for the Advancement of Science. Member 1988-Present

Association of Chairs of Departments of Physiology. Member 1997-Present

Association for Medical School Pharmacology. Member 1997-Present

American Physiological Society. Member 1998-Present

American Society for Pharmacology and Experimental Therapeutics. Member 1999-Present

Grant History

Principal Investigator:

NIH, NIAID AI109927: "Malaria melatonin receptor signaling as a novel drug target." R01.
A. Thomas PI. 2012-2019.
Funded April 2012 to March 2019: $2,148,932

New Jersey Health Foundation 57-17RE-2: "The Thomas P. Infusino Endowed Chair."
A. Thomas PI. 2006-Present.
Endowment via NJ Healthcare Foundation funded with $2,400,000

VA Contract # VA243-13-D-0179: "Support services for WRIISC studies examining the Physiology of Veterans with Gulf War illness."
A. Thomas PI. 2013-2018
Funded October 2014 to September 2018: $893,088

NIH, NIDDK DK082954: "A novel ryanodine receptor in the hormonal regulation of hepatic metabolism." R21.
A. Thomas PI. 2010-2013.
Funded 2010-2013 $429,000

NIH, NIDDK DK078019: "Role of hVps34/mTOR Complex 1 in Amino Acid-Induced Obesity and Insulin Resistance." R01.
G. Thomas, grant PI; A. Thomas subcontract PI. 2008-2012.
Funded $1,964,000 2008-2012, $331,500 for subcontract.

UMDNJ Foundation: "Malaria Melatonin Receptor Signaling." High Impact Project.
A. Thomas PI. 2012-2013.
Funded 2012-2013 $35,000.

NIH, NHLBI HL069752: "Integrative Mechanisms in Cardiovascular Disease." Institutional training grant.
S. Vatner and A. Thomas Co-PIs. 2009-2014.
Funded 2009-2014 $1,350,000.

NIH, NIAAA AA014980-05S1: "Effects of Ethanol on Excitation-Contraction Coupling in Cardiac Muscle." ARRA Supplement.
A. Thomas PI. 2009-2011.
Funded 2009-2011 $156,000.

NIH, NIAAA AA014980: "Effects of Ethanol on Excitation-Contraction Coupling in Cardiac Muscle." R01.
A. Thomas PI. 2004-2011.
Funded 2004-2009 $1,580,000.

NIH, NHLBI HL069752: "Integrative Mechanisms in Cardiovascular Disease." Institutional training grant.
S. Vatner and A. Thomas Co-PIs. 2004-2009.
Funded 2004-2009 $1,800,412.

NIH, NIDDK DK38422: "Hormonal Calcium Mobilization: Regulation in Liver." R01.
A. Thomas PI. 1987-2006 (***3 renewal cycles***).
Funded 1998-2006 $1,120,693.

Human Frontiers Science Program Research Grant RGP0347/2001: "Mitochondrial Calcium Signalling; Structural Determinants and Cellular Consequences."
A. Thomas PI. 2001-2005.
Funded 2001-2005 $750,000.

NIH, NIAAA AA07186: "Alcohol and the Cell." Center Grant. E. Rubin, PI; A. Thomas, Component #5 Project Director. “Effects of Ethanol on Excitation-Contraction Coupling in Cardiac Myocytes.” 1987-2003 (***3 renewal cycles***).
Funded $7,929,818 1997-2003, $328,165 direct costs for this component.

UMDNJ Foundation: "Melatonin and Calcium Signaling in the Intraerythrocytic Progression of Malaria Parasites."
A. Thomas PI. 2003-2004.
Funded 2003-2004 $35,000.

NIH, NIDA DA06290: "Effects of Cocaine on Cardiac Muscle Cells." R01.
A. Thomas PI. 1992-2000 (***2 renewal cycles***).
Funded 1995-2000 $782,665.

NSF Conference Grant: "Calcium Signaling."
A. Thomas PI. 1999, Funded $9,000.

NIH, NIEHS/NINDS ES/NS10069-01: "Calcium Signaling."
A. Thomas PI. 1999, Funded $10,000.

NIH, NIAAA AA00180: "Ethanol Action on Calcium Signaling in Heart and Liver." Research Scientist Development Award.
A. Thomas PI. 1994-1999.
Funded 1994-1997 $507,250.

NIH, NIAAA AA09653: "ASIP - Thomas Jefferson University." Small Instrumentation Grant Program. S15
A. Thomas PI. 1992-1993.Funded $24,400.

NIH, NIAAA AA07215: "Effects of Alcohol on Subcellular Organelles of Liver." Program Project.

E. Rubin, PI; A. Thomas, Component #2 Project Director. “Effects of Ethanol on Phospholipid-Dependent Signal Transduction.” 1986-1996 (***2 renewal cycles***).
Funded $4,273,251 1991-1996, $501,337 direct costs for this component.

Co-Investigator:

NIH, NIAAA AA017752: "Alcohol Effects on Subcellular Organelles of Liver." R01.
L. Gaspers, PI; A. Thomas coinvestigator. 2008-2013.
Funded $1,936,000 2008-20013.

NIH, NHLBI HL069020: "Mechanisms of Myocardial Ischemia and Reperfusion." Program Project.
D. Vatner, PI; A. Thomas, Component #4 Co-PI (with Dr. J. Berlin). “Calcium Handling/Contractile Function Stunned Myocardium.” 2001-2006.
Funded $8,196,418 2001-2006, $793,527 direct costs for this component.

NIH, NIAAA AA10968: "The Role of Hormone-Evoked Mitochondrial Calcium Increases in the Pathogenesis of Liver." Interrelated Research Project Grant Component.
E. Rubin, PI; A. Thomas coinvestigator. 1996-1997.
Funded $2,150,000 1996-2001.

Individual Training Grant Mentor:

NIH, NIAAA F30AA017809: "The Role of cAMP Signaling Changes in Alcoholic Liver Disease." Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD Fellows (F30).
V. Prince PI/Trainee; A. Thomas Mentor/Sponsor. 2008-2013.
Funded $163,166.

American Physiological Society. “The Role of PKC Isoforms in Calcium Signaling.” Porter Physiology Fellowship for Minorities.
W. Metzger PI/Trainee; A. Thomas Mentor/Sponsor. 2004-2006.
Funded $36,000.

NIH, NIAAA F30AA015004: "Role of Uncoupling Protein-2 in Alcoholic Cardiomyopathy." Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD Fellows (F30).
J. Turner PI/Trainee; A. Thomas Mentor/Sponsor. 2004-2008.
Funded $120,733.

American Heart Association. “Cocaine and Na/Ca Exchange in the Heart.” Predoctoral Fellowship.
B. Hantash PI/Trainee; A. Thomas Mentor/Sponsor. 1998-2000.
Funded $32,250.

NIH, NIAAA K01AA000237: "Chronic Ethanol and Excitation-Contraction Coupling." Mentored Research Scientist Development Award (KO1).
M. Solem PI/Trainee; A. Thomas Mentor/Sponsor. 1997-2001.
Funded $401,908.

Burroughs Wellcome Fund. "Control of Cellular Function by Calcium Oscillations." Career Awards in the Biomedical Sciences (included postdoctoral period and transition to mentored faculty support).
G. Hajnóczky PI/Trainee; A. Thomas Mentor/Sponsor. 1996-2001.
Funded $995,500.

Wellcome Trust (UK). "Calcium and Nitric Oxide Signalling Pathways in the Intact Liver." Wellcome Prize Travel Research Fellowship (included postdoc period and transition to independent position in the UK).
S. Patel PI/Trainee; A. Thomas Mentor/Sponsor. 1996-1999.
Funded $92,646 (plus additional support on return to UK).

American Heart Association. “Cocaine: Mechanism of Action on Cardiomyocytes.” Postdoctoral Fellowship.
D. Renard PI/Trainee; A. Thomas Mentor/Sponsor. 1990-1991.
Funded $20,000.

Juvenile Diabetes Foundation International. “Interaction Between Insulin and Calcium-Dependent Hormones in the Regulation of Liver Metabolism.” Postdoctoral Fellowship.
T. Rooney PI/Trainee; A. Thomas Mentor/Sponsor. 1990-1991.
Funded $28,000.

Major Teaching Experience:

Medical Courses	Medical Physiology Course. NJMS 1997-2002
	Dental Physiology Course. NJDS 2001-Present
	Integrated Structure & Function Medical Course. NJMS 2003-2009
	Human Physiology Course. NJMS 2010-2016
	Genitourinary-Endocrine Organ System course. NJMS 2016-Present
	Foundations course. NJMS 2017-Present
Graduate Courses	Concepts in Cell Biology. (PA 510) Graduate Course, Thomas Jefferson University, 1988-1997
	Advanced Topics in Cell Biology. (PA611) Graduate Course, Thomas Jefferson University, 1989-1997

Molecular and Cellular Mechanisms in Physiology. GSBS 1998-2000

Frontiers in Cardiovascular Research. GSBS 2002-2010

Physiologic Principles (Endocrine and GI sections). GSBS 2001-Present

Core Course in Molecular & Cellular Biology. GSBS 2000-Present

Evening Core Course. GSBS 2007-2009

Physiological Discussions Course. GSBS 2009-2010

Predoctoral Trainees (PhD or MD/PhD thesis students only):

Robert Brumer (MD/PhD)	2016-Present
Ishwarya Murali	2011-2017
Jingzhen Li	2011-2016
Paula D. Green	2012-2015
Eduardo Alves	2009-2010
Abeer Nouh (MD/PhD)	2007-2012
Jorge Gonzales	2007-2012
Victoria Prince (MD/PhD)	2008-2012
Stéphanie Troy	2008-2011
Walson Metzger (MD/PhD)	2004-2008
Jay Turner (MD/PhD)	2004-2007
Nicola Pierobon	2004-2007
Helen Campanha	2004-2006
Fang Liu	2001-2005
Basil Hantash (MD/PhD)	1998-2000
Chi Lin	1991-1996
Dennis Rozanski	1990-1993
Brian O'Rourke	1987-1990

Postdoctoral Trainees:

Juliana Corrêa	2018-Present
Maneesh Singh	2018-Present
Angela Velásquez	2017-2018
Jayalakshmi Ramachandran	2016-2017
Lucas Borges	2015-2016
Julio Levano-Garcia	2010-2011
Paula Bartlett, PhD	2007-2012
Nicola Pierobon, PhD	2007-2010
Krista Blackwell, PhD	2006-2010
Fang Liu	2005-2006
Jane Johnston, PhD	2001-2003
Laurence Jouaville, PhD	1999-2002
Paul Burnett, PhD	1997-2002
Soraya Smaili, PhD	1997-1998

Sandip Patel, PhD	1996-1999
Michele Solem, PhD	1996-1997
Anthony Morgan, PhD	1996-1997
Lawrence Gaspers, PhD	1993-1997
Josep Nicholas, MD	1993-1994
Gyorgy Hajnóczky, MD/PhD	1991-1995
Dominique Renard, PhD	1989-1992
Thomas Rooney, PhD	1988-1990
Shawn Conahan	1987-1988

Bibliography, H-Index = 62

1. Halestrap, A.P., Scott, R.D. and Thomas, A.P. (1980). Mitochondrial pyruvate transport and its hormonal regulation. Int. J. Biochem. 11, 97-105.

2. Thomas, A.P. and Halestrap, A.P. (1981). Identification of the protein responsible for pyruvate transport into rat liver and heart mitochondria by specific labelling with [^{3}H]N-phenylmaleimide. Biochem. J. 196, 471-479.

3. Thomas, A.P. and Halestrap, A.P. (1981). The role of mitochondrial pyruvate transport in the stimulation by glucagon and phenylephrine of gluconeogenesis from L-lactate in isolated rat hepatocytes. Biochem. J. 198, 551-564.

4. Quinlan, P.T., Thomas, A.P., Armston, A.E. and Halestrap, A.P. (1983). Measurement of the intramitochondrial volume in hepatocytes without cell disruption and its elevation by hormones and valinomycin. Biochem. J. 214, 395-404.

5. Thomas, A.P. and Williamson, J.R. (1983). Effects of insulin on phenylephrine-induced activation of phosphatidylinositol turnover in isolated hepatocytes. J. Biol. Chem. 258, 1411-1414.

6. Thomas, A.P., Marks, J.S., Coll, K.E. and Williamson, J.R. (1983). Quantitation and early kinetics of inositol lipid changes induced by vasopressin in isolated and cultured hepatocytes. J. Biol. Chem. 258, 5716-5725.

7. Williamson, J.R., Williams, R.J., Coll, K.E. and Thomas, A.P. (1983). Cytosolic free Ca^{2+} concentration and intracellular calcium distribution of Ca^{2+}-tolerant isolated heart cells. J. Biol. Chem. 258, 13411-13414.

8. Williamson, J.R., Joseph, S.K., Thomas, A.P., Coll, K.E. and Marks, J.S. (1983). Alpha-adrenergic and vasopressin effects on phospholipid metabolism in rat hepatocytes. IN: "Isolation, characterization and use of hepatocytes" (Harris, R.A. and Cornell, N.W., eds) pp. 419-432, Elsevier/North-Holland, New York.

9. Joseph, S.K., Thomas, A.P., Williams, R.J., Irvine, R.F. and Williamson, J.R. (1984). Myo-inositol l,4,5-trisphosphate. A second messenger for the hormonal mobilization of intracellular Ca^{2+} in liver. J. Biol. Chem. 259, 3077-3081.

10. Williamson, J.R., Thomas, A.P., Williams, R.J., Alexander, J. and Selak, M.A. (1986). Calcium compartmentation and regulation in myocytes. Adv. Exp. Med. Biol. 194, 573-590.

11. Williamson, J.R., Thomas, A.P. and Joseph, S.K. (1985). Second messenger role of inositol trisphosphate for mobilization of intracellular calcium in liver. IN: "Inositol and Phosphoinositides: Metabolism and Regulation." (Bleasdale, J.E. et al, eds.) pp 423-433. Humana Press, New Jersey.

12. Thomas, A.P., Alexander, J. and Williamson, J.R. (1984). Relationship between inositol polyphosphate production and the increase of cytosolic free Ca^{2+} induced by vasopressin in isolated hepatocytes. J. Biol. Chem. 259, 5574-5584.

13. Williamson, J.R., Cooper, R.H., Joseph, S.K. and Thomas, A.P. (1986). Relation and between phosphatidylinositol 4,5-bisphosphate metabolism and Ca^{2+} fluxes in liver. IN: "Hormonal control of gluconeogenesis. Vol. II" (Kraus-Friedmann, N., ed) pp 167-182. CRC Press.

14. Thomas, A.P., Martin-Requero, A. and Williamson, J.R. (1985). Interactions between insulin and alpha$_1$-adrenergic agents in the regulation of glycogen metabolism in isolated hepatocytes. J. Biol. Chem. 260, 5963-5973.

15. Williamson, J.R., Cooper, R.H., Joseph, S.K. and Thomas, A.P. (1985). Inositol trisphosphate and diacylglycerol as intracellular second messengers in liver. Am. J. Physiol. 248, C203-C216.

16. Joseph, S.K., Coll, K.E., Thomas, A.P., Rubin, R. and Williamson, J.R. (1985). The role of extracellular Ca^{2+} in the response of the hepatocyte to Ca^{2+}-dependent hormones. J. Biol. Chem. 260, 12508-12515.

17. Movesian, M.A., Thomas, A.P., Selak, M. and Williamson, J.R. (1985). Inositol trisphosphate does not release Ca^{2+} from permeabilized cardiac myocytes and sarcoplasmic reticulum. FEBS Lett. 185, 328-332.

18. Thomas, A.P. and Denton R.M. (1986). Use of permeabilized mitochondria in the study of insulin-induced pyruvate dehydrogenase activation. Biochem. Soc. Trans., 14, 314-315.

19. Thomas, A.P., Selak, M. and Williamson, J.R. (1986). Measurement of electrically-induced Ca^{2+} transients in Quin 2-loaded cardiac myocytes. J. Mol. Cell. Cardiol., 18, 541-545.

20. Thomas, A.P., Diggle, T.A. and Denton, R.M. (1986). Sensitivity of pyruvate dehydrogenase phosphate phosphatase to magnesium ions. Similar effects of spermine and insulin. Biochem. J., 238, 83-91.

21. Thomas, A.P. and Denton, R.M. (1986). Persistent activation of pyruvate dehydrogenase phosphatase in permeabilized mitochondria prepared from insulin-treated rat epididymal adipose tissue. Biochem. J., 238, 93-101.

22. Midgley, P.J.W., Rutter, G.A., Thomas, A.P. and Denton, R.M. (1987) The control of pyruvate dehydrogenase phosphate phosphatase by Ca^{2+} and Mg^{2+} ions. Biochem. Soc. Trans., 15, 835-836.

23. Thomas, A.P., Joseph, S.K. and Williamson, J.R. (1986). The role of inositol polyphosphates in the action of calcium dependent hormones in liver. IN: "Hormones and Cell Regulation," J. Nunez, et al, eds, John Libbey, London. pp 81-93.

24. Williamson, J.R., Joseph, S.K., Thomas, A.P., Coll, K.E., Verhoeven, A. and Prentki, M. (1986). "Hormone-induced inositol lipid breakdown and calcium mediated cellular responses in liver. IN: "New insights into cell and membrane transport processes." Poste, G. and Crooke, S.T. eds., Plenum Press, New York. pp 217-247.

25. Thomas, A.P., Hoek, J.B. and Rubin, E. (1987). Elevation of inositol 1,4,5-trisphosphate levels after acute ethanol treatment of rat hepatocytes. Ann. N.Y. Acad. Sci., 492, 250-252.

26. Hoek, J.B., Rubin, R. and Thomas, A.P. (1987). Phorbol esters inhibit ethanol-induced calcium mobilization and phospholipid turnover in isolated hepatocytes. Ann. N.Y. Acad. Sci., 492, 245-247.

27. Denton, R.M., McCormack, J.G. and Thomas, A.P. (1986). Mechanisms whereby insulin and other hormones binding to cell surface receptors influence metabolic pathways within the inner membrane of mitochondria. Ann. N.Y. Acad. Sci., 488, 370-384.

28. Midgley, P.J.W., Rutter, G.A., Thomas, A.P. and Denton, R.M. (1987). Effects of Ca^{2+} and Mg^{2+} on the activity of pyruvate dehydrogenase phosphate phosphatase within toluene-permeabilized mitochondria. Biochem. J., 241, 371-377.

29. Hoek, J.B., Thomas, A.P., Rubin, R. and Rubin, E. (1987). Ethanol-induced mobilization of calcium by activation of phosphoinositide-specific phospholipase C in intact hepatocytes. J. Biol. Chem. 262, 682-691.

30. Denton, R.M., McCormack, J.G., Midgley, P.J.W., Rutter, G.A. and Thomas, A.P. (1988). The role of Ca^{2+} in the hormonal control of intramitochondrial metabolism in heart, liver and adipose tissue. Adv. Second Messenger Phosphoprotein Res. 21, 157-164.

31. Thomas, A.P. (1988). Potentiation by GTP of Ins(1,4,5)P_3-induced Ca^{2+} mobilization in permeabilized hepatocytes. Adv. Exp. Med. Biol. 232, 197-201.

32. Rubin, R., Thomas, A.P. and Hoek, J.B. (1987). Ethanol does not stimulate guanine nucleotide-induced activation of phospholipase C in permeabilized hepatocytes. Arch. Biochem. Biophys. 256, 29-38.

33. Thomas, A.P. (1987). Modulation by GTP of the inositol 1,4,5-trisphosphate-activated calcium channel. IN: Curr. Commun. Mol. Biol. "Inositol Lipids in Cellular Signaling". Michell, R.H. and Putney, J.W. eds., Cold Spring Harbor, NY. pp133-139.

34. Thomas, A.P., Hoek, J.B., Rubin, R. and Rubin, E. (1989). Activation of the inositol 1,4,5-trisphosphate signaling system by acute ethanol treatment of rat hepatocytes. IN "Cell Calcium Metabolism", G. Fiskum ed., Plenum, New York, pp 169-177.

35. Rubin, R., Ponnappa, B.C., Thomas, A.P. and Hoek, J.B. (1987). Ethanol stimulates shape change in human platelets by activation of phosphoinositide-specific phospholipase C. Arch. Biochem. Biophys. 260, 480-492.

36. Thomas, A.P. (1988). Enhancement of the inositol 1,4,5-trisphosphate-releasable Ca^{2+} pool by GTP in permeabilized hepatocytes. J. Biol. Chem. 263, 2704-2711.

37. Hoek, J.B., Rubin, R. and Thomas, A.P. (1988). Ethanol-induced phospholipase C activation is inhibited by phorbol esters in isolated hepatocytes. Biochem. J. 251, 865-871.

38. Monck, J.R., Reynolds, E.E., Thomas, A.P. and Williamson, J.R. (1988). Novel Kinetics of single Ca^{2+} transients in stimulated hepatocytes and A10 cells measured using fura-2 and fluorescent videomicroscopy. J. Biol. Chem. 263, 4569-4575.

39. Prentki, M., Glennon, Thomas, A.P., M.C., Morris, R.L., Matschinsky, F.M. and Corkey, B.E. (1988) Cell-specific patterns of oscillating free Ca^{2+} in carbamylcholine-stimulated insulinoma cells. J. Biol. Chem. 263, 11044-11047.

40. Denton, R.M., Thomas, A.P., Tavare, J.M. Borthwick, A.C., Brownsey, R.W., Hopkirk, T.J. and McCormack, J.G. (1989). Mechanisms involved in the stimulation of fatty acid synthesis by insulin. ed, P. Lund.

41. Thomas, A.P., Sass, E.J., Tun-Kirchmann, T.T. and Rubin, E.R. (1989). Ethanol inhibits electrically-induced calcium transients in isolated rat cardiac myocytes. J. Mol. Cell. Cardiol. 21, 555-565.

42. Rooney, T.A., Hager, R., Rubin, E. and Thomas, A.P. (1989). Short chain alcohols activate guanine nucleotide-dependent phosphoinositidase C in turkey erythrocyte membranes. J. Biol. Chem. 264, 6817-6822.

43. Masaki, N., Thomas, A.P., Hoek, J.B. and Farber, J.L. (1989). Intracellular acidosis protects cultured hepatocytes from the toxic consequences of a loss of mitochondrial energization. Arch. Biochem. Biophys. 272, 152-161.

44. Rooney, T.A., Sass, E.J., and Thomas, A.P. (1989) Characterization of cytosolic calcium oscillations induced by phenylephrine and vasopressin in single fura-2 loaded hepatocytes. J. Biol. Chem. 264, 17131-17141.

45. Denton, R.M., Midgley, P.J.W., Rutter, G.A., Thomas, A.P. and McCormack, J.G. (1989) Studies into the mechanism whereby insulin activates pyruvate dehydrogenase in adipose tissue. Ann. N.Y. Acad. Sci. 573, 285-296.

46. Hoek, J.B., Coll, K.E., Rooney, T.A. and Thomas, A.P. (1990) Synchronized Ca^{2+} transients induced by glucagon in fura-2 loaded hepatocytes. IN "Biology of Cellular Transducing Signals". J.Y. Vanderhoek, ed., Plenum Press, New York. pp 323-332.

47. Benistant, C., Thomas, A.P. and Rubin, R. (1990) Effect of guanine nucleotides on polyphosphoinositide synthesis in rat liver plasma membranes. Biochem. J. 271, 591-597.

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