

CHRISTOS STOURNARAS

PhD in BIOCHEMISTRY, UNIVERSITY OF FREIBURG, GERMANY, 1979

Postdoctoral Training

PASTEUR INSTITUTE, ATHENS, 1980-1981

MAX PLANCK INSTITUTE FOR MEDICAL RESEARCH, HEIDELBERG, 1982-1985

Academic Appointments

ASSIST. PROFESSOR BIOCHEMISTRY, UNIVERSITY OF CRETE MEDICAL SCHOOL, 1985-1989

VISITING PROFESSOR, ROCKEFELLER UNIVERSITY, NEW YORK, 1987

ASSOC. PROFESSOR BIOCHEMISTRY, UNIVERSITY OF CRETE MEDICAL SCHOOL, 1989-1995

PROFESSOR BIOCHEMISTRY, UNIVERSITY OF CRETE MEDICAL SCHOOL, 1996-TODAY

DIRECTOR GENERAL, HELLENIC PASTEUR INSTITUTE, ATHENS, 1997-2002

MERCATOR PROFESSOR, UNIVERSITY OF TUEBINGEN, GERMANY, 2008

Hospital Appointments (place, duration)

BOARD CERTIFICATE IN CLINICAL BIOCHEMISTRY, ATHENS, 1995

VICE DIRECTOR, LABORATORY OF CLINICAL CHEMISTRY-BIOCHEMISTRY, UNIVERSITY HOSPITAL HERAKLION, 2004 - TODAY

MAJOR AWARDS AND HONORS

Mercator Professor University of Tuebingen Medical School

Invited lecturer in Universities and Research Centers in Europe and US.

Invited speaker in National and International Scientific Meetings.

Holder of 4 Scientific Awards by National and European Institutions.

Reviewer of international Journals in the fields of Biochemistry and Cell Biology.

Major Memberships, Offices and Committee Assignments in Professional Societies

ELECTED MEMBER, FEBS Publications Committee (2005-2009).
(Federation of European Biochemical Societies).

MEMBER, DIRECTORS COUNCIL OF “*Reseau International des Instituts Pasteur et Instituts Associes*” (1997-2002).

MEMBER, BOARD OF PRESIDENTS OF “the National Research Centers and Research Institutes (2001-2002).

PRESIDENT, the “Greek Society of Biochemistry and Molecular Biology” (2000-2002).

Participation in the Editorial Boards and the Evaluation of International Research Projects

EDITOR, FEBS Letters Special Issue, 2008

EXPERT EVALUATOR IN EU PROGRAMS (1995-today)

Descartes Prize Committee Member (Life Sciences)

Committee Member, Eol assessment for the 6th Framework

Framework evaluator

Marie Curie Fellowships

Biomed,

Biotech

CURRENT RESEARCH INTERESTS

NON-GENOMIC CELL SIGNALING REGULATING CELL RESPONSES.

ROLE OF ACTIN CYTOSKELETON DYNAMICS AND SIGNALING IN CANCER AND NEURODEGENERATIVE DISEASES.

MEMBRANE STEROID HORMONE RECEPTORS SIGNALING IN TUMORS.

DYNAMIC CONTROL OF TGF-beta SIGNALING BY ACTIN CYTOSKELETON AND SMALL GTPases

Research Publications

Total number of original articles in peer-reviewed journals: 94

Total number of reviews and book chapters: 16

Total number of citations: >2200

Bibliography

List of up to 20 most representative publications

Vasilaki E, Papadimitriou E, Tajadura V, Ridley AJ, Stournaras C, Kardassis D. Transcriptional regulation of the small GTPase RhoB gene by TGF{beta}-induced signaling pathways. **FASEB J.** 24(3):891-905 (2010)

Papadopoulou, N Papakonstanti, EA, Kallergi G Alevizopoulos, K, Stournaras C. Membrane androgen receptor activation in prostate and breast tumor cells: Molecular signaling and clinical impact. **IUBMB Life** 61(1) 56-61 (2009).

Vardouli L, Vasilaki E, Papadimitriou E, Kardassis D, Stournaras C. A novel mechanism of TGFbeta-induced actin reorganization mediated by Smad proteins and Rho GTPases. **FEBS J.** 275(16):4074-87 (2008).

Papakonstanti E.A., Stournaras C. Actin Cytoskeleton architecture and signalling in osmosensing. **Methods in Enzymology** 428:227-40 (2007).

Kampa M, Kogia C, Theodoropoulos P A, Anezinis P, Charalampopoulos I, Papakonstanti E A, Stathopoulos E N, Hatzoglou A, Stournaras C,

Gravanis A, Castanas E. Activation of membrane androgen receptors potentiates the antiproliferative effects of paclitaxel on human prostate cancer cells. **Mol. Canc. Therap.** 5(5):1342-51 (2006).

Charalambopoulos I, Dermitzaki E, Vardouli L, Tsatsanis C, Stournaras C, Margioris A N, Gravanis A. Dehydroepiandrosterone sulfate and allopregnanolone directly stimulate catecholamine production via induction of tyrosine hydroxylase and secretion by affecting actin polymerization. **Endocrinology.** 146(8):3309-3318 (2005).

Vardouli L, Moustakas A, Stournaras C. LIM-kinase 2 and cofilin phosphorylation mediate actin cytoskeleton reorganization induced by transforming growth factor-beta. **J Biol Chem.** 280(12): 11448-11457 (2005).

Hatzoglou A. Kampa M. Kogia C. Charalambopoulos I. Theodoropoulos P.A. Anezinis P. Dambaki C. Papakonstanti E.A. Stathopoulos E.A. Stournaras C. Gravanis A. castanas E. Membrane androgen receptor activation induces apoptotic regression of human prostate cancer cells in vitro and in vivo. **J Clin Endocrinol Metab.** 90(2):893-903 (2005).

Papakonstanti E A, Stournaras C. TNF α promotes survival of proximal tubular epithelial cells via Cdc42-induced PLC- gamma 1 activation and actin filament redistribution. **Mol Biol Cell.** 15(3):1273-1286 (2004).

Papakonstanti E.A, Kampa M, Castanas E, and Stournaras C. A rapid, nongenomic, signaling pathway regulates the actin reorganization and PSA secretion induced by membrane testosterone receptors' activation. **Mol. Endocrinol.** 17(5), 870-881 (2003).

M. Kampa, E.A. Papakonstanti, A. Hatzoglou, E.N. Stathopoulos, C. Stournaras, E. Castanas. The human prostate cancer cell line LNCaP bears functional membrane testosterone receptors, which increase PSA secretion and modify actin cytoskeleton. **FASEB J.** 16, 1429-1431 (2002)

E.A. Papakonstanti, C. Stournaras. Association of PI-3 kinase with PAK1 leads to direct phosphorylation of actin and cytoskeletal reorganization. **Mol. Biol. Cell** 13, 2946-2962 (2002)

E. Dermitzaki, A. Gravanis, M. Venihaki, C. Stournaras, A.N. Margioris. Opioids suppress basal and nicotine-induced catecholamine secretion via a stabilizing effect on actin filaments. **Endocrinology.** 142(5) 2022-2031 (2001).

Moustakas A and C. Stournaras. Regulation of actin organization by TGF- β in Ha-Ras transformed fibroblast. **J. Cell Sci.** 112 1169-1179 (1999).

E. Papakonstanti, D.S. Emmanouel, A. Gravanis and C. Stournaras. Na⁺/Pi cotransport alters rapidly cytoskeletal protein polymerization dynamics in Opossum Kidney cells. **Biochem. J.** 315 241-247 (1996).

A. Makrigiannakis, E. Zoumakis, A.N. Margioris, P. Theodoropoulos, C. Stournaras and A. Gravanis. The corticotropin-releasing hormone (CRH) in normal and tumoral epithelial cells of human endometrium. **J. Clin. Endocrinol. Metab.** 80 185-189 (1995).

S.D. Georgatos, C. Stournaras and G. Blobel. Heterotypic and homotypic associations between the nuclear lamins: Site-specificity and control by phosphorylation. **Proc. Natl. Acad. Sci. (USA)**. 85(12), 4325-4329. (1988).

H. Faulstich and C. Stournaras. Trialkyl lead in rain in the Black Forest. **Nature** 319, 17 (1986).

H. Faulstich and C. Stournaras. Potentially toxic concentrations of triethyllead in Black Forest rainwater samples. **Nature** 317, 714 - 715 (1985).

Teaching Responsibilities

Undergraduate

BIOCHEMISTRY II, 3TH SEMESTER

LABORATORY COURSE BIOCHEMISTRY, 3TH SEMESTER

STRUCTURE AND FUNCTION OF CYTOSKELETON, 7TH SEMESTER

Graduate

Actin cytoskeleton dynamics and signaling in cancer

Total Degrees Awarded or In Progress

Master's 3

PhD 12

Administrative Responsibilities Within and Outside the University

CHAIRMAN, DEPARTMENT OF BIOCHEMISTRY, UNIVERSITY OF CRETE MEDICAL SCHOOL, 2002-TODAY

PRESIDENT, "Greek Society of Biochemistry and Molecular Biology" (2000-2002).