

THOMAS PAPAMARCAKI

Address

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Place of Birth Hania, Crete, Greece

Nationality Greek

Sex Female

Marital Status Married, three children

Education

1970- 1976 High School, Hania, Crete

1976-1980 Degree in Chemistry University of Thessaloniki,
Department of Chemistry

1983-1988 Ph.D in Biochemistry, University of Ioannina, Greece

Research experience

1990 - 1991 Post-doctoral fellow, Cell Biology
Program, European Molecular Biology
Laboratory (EMBL) Heidelberg,

Germany. Group leader: Dr. Spyros Georgatos.

1992 Visiting scientist at Dr. S. Georgatos' laboratory,
EMBL, Heidelberg, Germany

1994 Visiting scientist at Dr. Peter Becker's laboratory, Gene Expression
Program, EMBL, Heidelberg, Germany

Positions

1982-1990 Research and Teaching Assistant, Laboratory
of Biological Chemistry, Medical School, University of
Ioannina

1990-1995 Lecturer in the above laboratory.

1995-2006 Assistant Professor in the above laboratory.

2006-present Associate Professor in the above laboratory

Teaching Experience

Teaching of Biochemistry to undergraduate and postgraduate students of Medical
School

Scientific Societies

The Greek Biochemical and Biophysical Society

Union of Greek Chemists

Languages

English, fluent.

French, fair.

Fellowships

-Greek Government fellowship, June 6th - September 30th, 1990.

-Short-term EMBO Fellowship, October 1st - December 31th, 1990.

-Short-term FEBS Fellowship, July 1st - September 1st, 1992.

Funding

PENED 89 (1990-1992) (General Secretariat for Research and Technology, GSRT, Greece). Title: Isolation and characterization of ATP-diphosphohydrolase from human placenta. Principal investigator: O. Tsolas. Principal investigator of the Ioannina team T. Papamarcaki. Budget: 25.000 euros.

PENED 95 (1996-1998) (General Secretariat for Research and Technology, GSRT, Greece). Title: Interaction of prothymosin with histone H1 and chromatin. Principal investigator: T. Papamarcaki. Budget: 25.000 euros.

Research Programme of the Ministry of Health '96 (1997-1998). Title: Subcellular localisation and cellular interactions of parathymosin. Principal investigator: T. Papamarcaki. Budget: 6.000 euros.

Research Committee of the University of Ioannina (1996-1997): Title: Studies on the interaction of parathymosin with chromatin. Principal investigator: T. Papamarcaki. Budget: 3.000 euros.

PENED 99 (2000-2002) (General Secretariat for Research and Technology, GSRT, Greece). Title: The self assembling of the cell nucleus: mechanism, regulation and development of inhibitors. Principal investigator: S. Georgatos Principal investigator of the Ioannina team: T. Papamarcaki. Budget: 146.735 euros.

PENED 99 (2000-2002) (General Secretariat for Research and Technology, GSRT, Greece) Title: Studies on the transcriptional regulation using in vitro assembled chromatin substrates. Principal investigator: G. Thireos. Principal investigator of the Ioannina team: T. Papamarcaki. Budget: 146.735 euros.

Pythagoras II program (Ministry of Education) (2005-2008). Title: The role of chromatin structure in the apoptotic response of tumor cells to chemotherapeutic drugs. Project Manager: T. Papamarcaki. Funding: 50.000 euros.

Pythagoras II program (Ministry of Education) (2005-2008). Title: Histone Chaperones: Structural characterisation and functional role in chromatin organisation. Project Manager: S. Georgatos. Principal investigator of the Ioannina team: T. Papamarcaki. Funding: 40.000 euros.

Publications

Matragkou, Ch, Papachristou, H., Karetso, Z., Papadopoulos G., **Papamarcaki, T.**, Vizirianakis, I. S., Tsiftoglou, A. S. and Choli-Papadopoulou, T. (2009) "On the intra-cellular trafficking of mouse S5 ribosomal protein from cytoplasm to nucleoli" *Journal of Molecular Biology* 392, 1192-1204.

<http://www.ncbi.nlm.nih.gov/pubmed/19631221>

Karetso, Z., Emmanouilidou, A., Sanidas, I., Liokatis, S., Nikolakaki, E., Politou, A. and **Papamarcaki, T.** (2009) "Identification of distinct SET/TAF-I β domains required for core histone binding and quantitative characterisation of the interaction" *BMC Biochemistry*, 10 (1):10.

<http://www.ncbi.nlm.nih.gov/pubmed/19358706>

Nikolakaki, E. Drosou, V., Sanidas, I., Peidis, P., **Papamarcaki T.** and. Giannakouros, T. (2008) "RNA association or phosphorylation of the RS domain prevents aggregation of RS domain-containing proteins" *Biochimica Biophysica Acta* 1780: 214-225.

<http://www.ncbi.nlm.nih.gov/pubmed/18022399>.

Karetso, Z. Martic, G., Sflomos, G. and **Papamarcaki, T.** (2005) "The histone chaperone SET/TAF-I β interacts functionally with the CREB-binding protein" *Biochemical Biophysical Research Communications* 335: 322–327.

<http://www.ncbi.nlm.nih.gov/pubmed/16061203>.

Papanikolaou, A., Papafotika, A., Murphy, C., **Papamarcaki, T.**, Tsolas, O., Drab, M., Kurzchalia, T. V., Kasper, M. and Christoforidis, S. "Cholesterol-dependent lipid assemblies regulate the activity of the ecto-nucleotidase CD39" *Journal of Biological Chemistry* 280: 26406-26414.

<http://www.ncbi.nlm.nih.gov/pubmed/15890655>

Martic, G., Karetso, Z., Kefala, K., Clapier, C., Straub, T. and **Papamarcaki, T.** (2005). "Parathymosin affects the binding of linker histone H1 to nucleosomes and remodels chromatin structure" *Journal of Biological Chemistry* 280:16143-16150.

<http://www.ncbi.nlm.nih.gov/pubmed/15716277>

Karetso, Z., Martic, G., Tavoulari, S., Christoforidis, S., Wilm, M., Gruss, C. and **Papamarcaki, T.** (2004) "Prothymosin α associates with the oncoprotein SET and is involved in chromatin decondensation" *FEBS Letters* 577, 496-500.

<http://www.ncbi.nlm.nih.gov/pubmed/15556635>

Karetsou, Z., Kretsovali, A., Murphy, C., Tsolas, O. and **Papamarcaki, T.** (2002) "Prothymosin α interacts with the creb-binding protein and potentiates transcription " *EMBO Reports* 3, 361-366.

<http://www.ncbi.nlm.nih.gov/pubmed/11897665>

Karetsou, Z., Sandaltzopoulos, R., Frangou-Lazaridis, M., Lai, C-Y., Tsolas, O., Becker, P. and **Papamarcaki, T.** (1998) " Prothymosin α modulates the interaction of histone H1 with chromatin" *Nucleic Acids Research* 13, 3111-

3113. <http://www.ncbi.nlm.nih.gov/pubmed/9628907>

Kondili, K., Tsolas, O. and **Papamarcaki, T.** (1996) "Selective interaction between Parathymosin and Histone H1" *Eur. J. Biochem.* 242, 67-74.

<http://www.ncbi.nlm.nih.gov/pubmed/8954154>

Christoforidis, S., **Papamarcaki, T.** and Tsolas, O. (1996) "Human placental ATP diphosphohydrolase is a highly N-glycosylated enzyme" *Biochimica Biophysica Acta* 1282, 257-262. <http://www.ncbi.nlm.nih.gov/pubmed/8703981>

Christoforidis, S., **Papamarcaki, T.**, Galaris, D., Kellner R. and Tsolas, O. (1995) "Purification and properties of human placental ATP diphosphohydrolase" *Eur. J. Biochem.* 234, 66-74. <http://www.ncbi.nlm.nih.gov/pubmed/8529670>

Papamarcaki, T. and Tsolas, O. (1994) " Prothymosin α binds to Histone H1 in vitro" *FEBS Letters* 345, 71-75. <http://www.ncbi.nlm.nih.gov/pubmed/8194604>

Kouklis, P., Merdes, A., **Papamarcaki, T.** and Georgatos, S. (1993) "Transient arrest of 3T3 cells in mitosis and inhibition of nuclear lamin reassembly around chromatin induced by anti-vimentin antibodies" *European Journal of Cell Biology* 62, 224-236.

<http://www.ncbi.nlm.nih.gov/pubmed/7925481>

Papamarcaki, T., Kouklis, P., Kreis T. and Georgatos, S. (1991) "The lamin B fold" *Journal of Biological Chemistry* 266, 21247-21251.

<http://www.ncbi.nlm.nih.gov/pubmed/1718975>

Kouklis, P., **Papamarcaki, T.**, Merdes, A. and Georgatos, S. (1991) "A potential role for the COOH-terminal domain in the lateral packing of type III intermediate filaments" *Journal of Cell Biology* 114, 773-786.

<http://www.ncbi.nlm.nih.gov/pubmed/1714461>

Papamarcaki, T. and Tsolas, O. (1991) "Demonstration of Fructose 1,6-bisphosphatase in human term placenta" *Experientia* 47, 67-68.

<http://www.ncbi.nlm.nih.gov/pubmed/1847882>

Papamarcaki, T. and Tsolas, O. (1990) "Identification of ATP-diphosphohydrolase activity in human term placenta using a novel assay for AMP" *Molecular Cellular Biochemistry* 97, 1-8. <http://www.ncbi.nlm.nih.gov/pubmed/2174097>