

# CURRICULUM VITAE

**NAME** : Christos A. Panagiotidis  
**TITLE** : Professor of Cell & Molecular Biology  
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## EDUCATIONAL BACKGROUND

1980 Diploma in Pharmacy, Aristotle University of Thessaloniki, Greece  
1984 Ph. D. Biochemistry, Aristotle University of Thessaloniki, Greece

## POSITIONS HELD

School of Pharmacy Aristotle University 54006 Thessaloniki, Greece	Professor Associate Professor	2011 to present 1998 to 2010
Department of Microbiology Columbia University College of Physicians & Surgeons New York, N.Y.	Associate Research Scientist Postdoctoral Research Scientist Postdoctoral Research Fellow	1994 to 1998 1993 to 1994 1990 to 1993
Department of Pharmacology Yale University School of Medicine New Haven, CT	Associate Research Scientist Postdoctoral Associate Research Associate	1987 to 1988 1985 to 1987 1983 to 1984

## HONORS AND PROFESSIONAL SOCIETIES

- Greek National Foundation (I.K.Y.) awards for undergraduate excellence 1977, 1978, 1979.
  - American Society for Biochemistry & Molecular Biology 1986 to present
  - New York Academy of Sciences 1989 to present
  - American Society for Microbiology 1990 to present
  - Hellenic Society of Pharmacology 2003 to present
  - Hellenic Society for Biochemistry & Molecular Biology\* 1989 to present
- \*Member of the Board and Vice-Chairman (2012-present) 2000-2001, 2008 -

## TEACHING EXPERIENCE

### *Undergraduate Courses*

- 1991-1992 Mentor for the Summer Research Program for High School Teachers, at the Department of Physiology & Cellular Biophysics of Columbia University, New York, NY, USA, 1991-1992
- 2000 Molecular Biology Instructor in the Programs of Continuing Education of Doctors & Health Personnel (sponsored by the Greek Ministry of Health), headquartered at the Theageneion Cancer Hospital, Thessaloniki, Greece.
- 1998-present Cell Biology (2nd Semester in the Department of Pharmacy Undergraduate Curriculum).
- 2002-present Molecular Biology (3rd Semester in the Department of Pharmacy Undergraduate Curriculum-elective).
- 2003-present Principles of Cell and Molecular Biology (7th Semester in the Department of Chemistry Undergraduate Curriculum-elective), 2003-present
- 2000-present Mentor for the training in research of nine undergraduate students (Dimitra Lambrelli, Christos Kyratsous, Elena Mimitou, Ioanna Stavrakaki, Theodora Bellou, Anna-Maria Olziersky, Eleni Dimou, Ermioni Kalfopoulou & Anna Ntalli, as well as of an ERASMUS exchange student from Spain (Jose Manuel Izquierdo Palomares)).

### *Μεταπτυχιακά μαθήματα & εκπαίδευση*

- 2002-present "Molecular Biology" (Post-graduate Course, 1st Semester in the "Biotechnology-Molecular Diagnostics" direction of the Department of Pharmacy Graduate Program).
- 2002-present Pharmaceutical Biotechnology I-Molecular Techniques for Macromolecular Analysis, (Post-graduate Course, 2nd Semester in the "Biotechnology-Molecular Diagnostics" and the "Pharmacology & Therapeutics" directions of the Department of Pharmacy Graduate Program).
- 2003-present Thesis Advisor for one doctoral student (Dr Meropi Matta, Ph.D awarded in 2006) και seven graduate students (Theodoula Kyriakidou [2003-2006], Kyriakos Savvoglou [2004-2007], Moschoula Karazafeiri [2005-2008], Maria Stoikou [2007-2010], Anna Chatsisvilli [2008-2011], Theodora Bellou [2009- 2013] & Aggeliki Malamidou [2012-]. Member in more than 20 Ph.D or Master's Thesis mentoring and/or evaluation committees.
- 2007-present Molecular Biology (Graduate Program of the Mediterranean Agronomic Institute of Chania (MAICh).

## RESEARCH INTERESTS

- Molecular Biology of the Neurotropic Herpesviruses (Herpes Simplex Virus and Varicella-Zoster Virus). (Collaborations with Prof. S.J. Silverstein, Columbia University, NY, NY, USA & Dr. Christos Kyratsous, Regeneron Pharmaceuticals, Tarrytown, NY, USA).
- Biochemistry of the Stress / Heat Shock Proteins – Applications in the development of novel vectors for the expression of properly folded recombinant proteins of

biotechnological of pharmaceutical interest. (Collaborations with Prof. S.J. Silverstein, Columbia University, NY,NY, USA & Dr. Christos Kyratsous, Regeneron Pharmaceuticals, Tarrytown, NY, USA).

- Identification and Evaluation of Natural Products with Antiherpetic Activities (In collaboration with Assist. Prof. Diamanto Lazari, Laboratory of Pharmacognosy, Department of Pharmacy, Aristotle University).
- Regulation of Polyamine Biosynthesis and Analysis of Alternative Functions of the *Escherichia coli* Antizymes (In collaboration with Prof. Dimitrios Kyriakidis, Laboratory of Biochemistry, Department of Chemistry, Aristotle University).

#### **OTHER ACTIVITIES**

- Vice-Chairman of the School of Pharmacy of Aristotle University of Thessaloniki (2011-2013)
- Vice-President of the Hellenic Society for Biochemistry & Molecular Biology (2010-present) and member of the Governors Board of the Society (2000-2001, 2008-present).
- Member of the Graduate Studies Board of the Department of Pharmacy (2002 to present).
- Member of the Aristotle University Studies Committee (2009-present).
- Expert Evaluator of European Union Research and Mobility Programs (Marie Curie Training Networks & Marie Curie Individual Fellowships) within Frameworks 5, 6 & 7 (2001-present).
- Expert evaluator both of national and international research and fellowship proposals.
- Reviewer for numerous scientific journals
- Member of the Environmental Council of the Aristotle University (2002 to 2007)
- Member of the Aristotle University Governing Council (2000 to 2001)
- Scientific Director of the Practical Training Program for Pharmacy students (2002 to 2005)
- Member of Faculty evaluation committees
- Member of numerous Ph.D. Advisory and Evaluation committees.
- Member of several Committees of the Department of Pharmacy.
- President of the “Association of Greeks at Yale” (1986)
- Member of the Pharmacy Students Council (1977 to 1980)

#### **FUNDING**

- “Telomerase Activity in Carcinomas of the Oral Cavity and Analysis of the Factors that Affect it. Developments of Methods and Model Systems for the Evaluation of Carcinogenesis Inhibitors”. PENED 99 (2000-2002), Greek Secretariat for Research and Technology (GSRT).

- “Program for the Development of Infrastructures of the Undergraduate Program of the School of Pharmacy of Aristotle University of Thessaloniki”, EPEAEK II Greek Ministry of Education (2001-2005)
- “Program for the Practical Training of Graduates of the School of Pharmacy of Aristotle University of Thessaloniki”, EPEAEK II-ETPA, Greek Ministry of Education (2002)
- “Analysis of the Molecular and Functional Interactions Between the Nuclear Regulatory Proteins of Herpes Virus and the Host-Cell Chromatin. IRAKLITOS-Research Fellowships for the Promotion of Basic Research, Greek Ministry of Education (2002-2006)
- “Program for the Procurement of Additional Scientific Instrumentation for the School of Pharmacy of Aristotle University of Thessaloniki”, EPEAEK II Greek Ministry of Education (2003)
- “Modernization of the Scientific Instrumentation of the Laboratories of Basic Research in the School of Pharmacy of Aristotle University of Thessaloniki”, PEP-Region of Central Macedonia (2004)
- “Bioguided Isolation of Natural Products with Anticancer Activity from Traditional Greek Medicinal Plants of the Lamiaceae Family-Study of the Molecular Mode of Action for the Bioactive Compounds”, PYTHAGORAS II- Strengthening of University Research Groups, Greek Ministry of Education (2005-2007)

## PUBLICATIONS AND PATENTS

1. Panagiotidis, C.A., Kyriakidis, D.A. & Georgatsos, J.G. (1982) Superinduction of the Cytosolic and Chromatin-bound Ornithine Decarboxylase Activities of Germinating Barley Seeds by Actinomycin D. *FEBS Let.* **146**, 193-196.
2. Kyriakidis, D.A., Panagiotidis, C.A. & Georgatsos, J.G. (1983) Ornithine Decarboxylase (Germinated Barley Seeds). *Methods Enzymol.* **94**, 162-166.
3. Panagiotidis, C.A. & Canellakis, E.S. (1984) Comparison of the Basic *Escherichia coli* Antizyme I and Antizyme II with the Ribosomal Proteins S20/L26 and L34. *J. Biol. Chem.* **259**, 15025-15027.
4. Canellakis, E.S., Kyriakidis, D.A., Rinehart, C.A., Huang, S.C., Panagiotidis, C.A. & Fong, W.F. (1985) Regulation of Polyamine Biosynthesis by Antizyme and some Recent Developments Relating the Induction of Polyamine Biosynthesis to Cell Growth. *Biosci. Rep.* **5**, 189-204.
5. Panagiotidis, C.A. & Kyriakidis, D.A. (1985) Purification of a Non-Histone Protein with Properties of Antizyme to Ornithine Decarboxylase from Germinated Barley Seeds. *Plant Growth Regul.* **3**, 247-255.
6. Koromilas, A.E., Panagiotidis, C.A. & Kyriakidis, D.A. (1985) Regulation and Function of Ornithine and Arginine Decarboxylase in Germinating Barley Seeds. *Recent Progr. in Polyam. Res.* (eds. Selmeçci, L., Brosnan, M.E., and Seiler, N.) pp. 501-508.
7. Panagiotidis, C.A., Blackburn, S., Low, K.B. & Canellakis, E.S. (1987) Biosynthesis of Polyamines in Ornithine Decarboxylase, Arginine Decarboxylase, and Agmatine Ureohydrolase Deletion Mutants of *Escherichia coli* strain K-12. *Proc. Natl. Acad. Sci. U.S.A.* **84**, 4423-4427.

8. Canellakis, E.S., Kyriakidis, D.A., Huang, S.C. & Panagiotidis, C.A. (1989) Functions of Polyamines in *Escherichia coli*. In *International Symposium on Polyamines* (ed. Algranati, I.) Publishing House of the International Council of Scientific Unions, pp. 105-114.
9. Panagiotidis, C.A., Huang, S.C. & Canellakis, E.S. (1989) The Relationship of S20/L26 and L34 Ribosomal Proteins to Polyamine Biosynthesis and Protein Synthesis. In: *Ornithine Decarboxylase: Biology, Enzymology, and Molecular Biology* (ed. Hayashi, S.) In Series: International Encyclopedia of Pharmacology and Therapeutics. Vol. 129, pp 109-113. Pergamon Press Inc., N.Y.
10. Panagiotidis, C. A., Huang, S. C., Tsirka, S. A., Kyriakidis, D. A. & Canellakis, E.S. (1989) Regulation of Polyamine Biosynthesis in *Escherichia coli* by the Acidic Antizyme and the Ribosomal Proteins S20 and L34. In: *Progress in Polyamine Research [Novel Biochemical, Pharmacological and Clinical Aspects]* (eds Zappia, V. and Pegg, A.E.) Vol. 250, pp 13-24. In Series: Advances in Experimental Medicine and Biology. Plenum Press, N.Y.
11. Huang, S.C., Panagiotidis, C.A. & Canellakis, E.S. (1990) Transcriptional Effects of Polyamines on Polyamine-Synthesizing Enzymes and Ribosomal Proteins in *Escherichia coli*. *Proc. Natl. Acad. Sci. U.S.A.* **87**, 3464-3468.
12. Chen, J., Panagiotidis, C. & Silverstein, S. (1992) Multimerization of ICP0, a Herpes Simplex Virus Immediate-Early Protein. *J. Virol.* **66**, 5598-5602.
13. Panagiotidis, C.A.\*, Drainas D. & Huang, S.C. (1992) Modulation of Ribonuclease P Expression in *Escherichia coli* by Polyamines. *Int. J. Biochem.* **24**, 1625-1631.
14. Canellakis, E.S., Paterakis, A.A., Huang, S.C., Panagiotidis, C.A.\* & Kyriakidis, D.A. (1993) Identification, Cloning and Nucleotide Sequencing of the Ornithine Decarboxylase Antizyme Gene of *Escherichia coli*. *Proc. Natl. Acad. Sci. U.S.A.* **90**, 7129-7133.
15. Simos, G., Panagiotidis, C.A., Skoumpas, A., Choli, D., Ouzounis, C. & Georgatsos, J.G. (1994) Barley  $\beta$ -glucosidase: Expression During Seed Germination and Maturation and Partial Amino Acid Sequences. *Biochim. Biophys. Acta.* **1199**, 52-58.
16. Panagiotidis, C.A.\*, Huang, S.C. & Canellakis, E.S. (1994) Post-translational and Transcriptional Regulation of Polyamine Biosynthesis in *Escherichia coli*. *Int. J. Biochem.* **26**, 991-1001.
17. Panagiotidis, C.A., Burkholder, W.F., Gaitanaris, G.A., Gragerov, A., Gottesman, M.E. & Silverstein, S.J. (1994) Inhibition of DnaK Autophosphorylation by Heat Shock Proteins and Polypeptide Substrates. *J. Biol. Chem.* **269**, 16643-16647.
18. Burkholder, W.F., Panagiotidis, C.A., Silverstein, S.J., Cegielska, A., Gottesman, M.E. & Gaitanaris, G.A. (1994) Isolation and characterization of an *Escherichia coli* DnaK mutant with impaired ATPase activity. *J. Mol. Biol.* **242**, 364-377.
19. Panagiotidis, C.A.\*, Huang, S.C. & Canellakis, E.S. (1995) Relationship of the Expression of the S20 and L34 Ribosomal Proteins to Polyamine Biosynthesis in *Escherichia coli*. *Int. J. Biochem. Cell Biol.* **27**, 157-168.
20. Panagiotidis, C.A., Artandi, S., Calame, K. & Silverstein, S.J. (1995) Polyamines Alter Sequence-Specific DNA-Protein Interactions. *Nucleic Acids Res.* **23**, 1800-1809.

21. Panagiotidis, C.A. & Silverstein, S.J. (1995) pALEX, a Dual-Tag Prokaryotic Expression Vector for the Purification of Full-Length Proteins. *Gene* **164**, 45-47.
22. Lium, E.K., Panagiotidis, C.A., Wen, X. & Silverstein, S.J. (1996) Repression of the  $\alpha 0$  Gene Expression by ICP4 During a Productive Herpes Simplex Virus Infection. *J. Virol.* **70**, 3488-3496.
23. Panagiotidis, C.A., Lium, E.K. & Silverstein, S.J. (1997) Physical and Functional Interactions Between Herpes Simplex Virus Immediate Early Proteins ICP4 and ICP27. *J. Virol.* **71**, 1547-1557.
24. Lungu, O., Panagiotidis, C.A., Annunziato, P.W., Gershon, A.A. & Silverstein, S.J. (1998) Aberrant Intracellular Localization of Varicella-Zoster Virus Regulatory Proteins During Latency. *Proc. Natl. Acad. Sci. U.S.A.* **95**, 7080-7085.
25. Lium, E.K., Panagiotidis, C.A., Wen, X. & Silverstein, S.J. (1998) The NH<sub>2</sub>-Terminus of the Herpes Simplex Virus Type 1 Regulatory Protein ICP0 Contains a Promoter-Specific Transcription Activation Domain. *J. Virol.* **72**, 7785-7795.
26. Wang, Z. Gershon, M.D. Lungu, O. Panagiotidis, C.A. Zhu, Z, Hao, Y. Gershon, A.A. (1998) Intracellular Transport of Varicella-Zoster Glycoproteins. *J. Infect. Dis.* **178 Suppl 1**, S7-12.
27. Panagiotidis, C.A. & Silverstein, S.J. (1999) The Host-Cell Architectural Protein HMG I(Y) Modulates Binding of Herpes Simplex Virus Type 1 ICP4 to its Cognate Promoter. *Virology* **256**, 64-74.
28. Annunziato, P.W., Lungu, O., Panagiotidis, C., Zhang, J.H., Silvers, D.N., Gershon, A.A. & Silverstein, S.J. (2000) Varicella-Zoster Virus Proteins in Skin Lesions: Implications for a Novel Role of ORF29p in Chickenpox. *J. Virol.* **74**, 2005-2010.
29. Annunziato, P.W., Lungu, O. & Panagiotidis, C. (2001) Varicella-Zoster Virus in Human and Rat Tissue Specimens. *Arch. Virol. Suppl.* **17**, S135-S142.
30. Billinis, C., Koumbati, M., Spyrou, V., Nomikou, K., Mangana, O., Panagiotidis, C.A. & Papadopoulos, O. (2001) Bluetongue Virus Diagnosis of Clinical Cases by a Duplex Reverse Transcription-PCR: A Comparison with Conventional Methods. *J. Virol. Methods* **98**, 77-89.
31. Lioliou, E.E., Mimitou, E.P., Grigoroudis, A.I., Panagiotidis, C.H., Panagiotidis, C.A. & Kyriakidis, D.A. (2005) Phosphorylation activity of the response regulator of the two-component signal transduction system AtoS–AtoC in *E. coli*. *Biochim. Biophys. Acta* **1725**, 257-268.
32. Theodorou, M.C., Panagiotidis, C.A., Panagiotidis, C.H., Pantazaki, A.A. & Kyriakidis, D.A. (2006) Involvement of the AtoS-AtoC signal transduction system in poly-(R)-3-hydroxybutyrate biosynthesis in *Escherichia coli*. *Biochim. Biophys. Acta* **1760**, 896-906.
33. Filippou, P.S., Efthimia E Lioliou, E.E., Panagiotidis, C.A., Athanassopoulos, K.M., Garnelis, T., Dionyssios Papaioannou, D. & Kyriakidis, D.A. (2007) Effect of polyamines and synthetic polyamine-analogues on the expression of antizyme (AtoC) and its regulatory genes. *BMC Biochemistry* **8(1)**, 1.
34. Theodorou, M.C., Theodorou, E.C, Panagiotidis, C.A. & Kyriakidis, D.A. (2007) Spermidine triggering effect to the signal transduction through the AtoS-AtoC/Az two component system in *Escherichia coli*. *Biochim. Biophys. Acta* **1770**, 1104-1114.

35. Grigoroudis, A.I., Panagiotidis, C. A., Lioliou, E. E., Vlassi, M. and Kyriakidis, D. A. (2007) Molecular modeling and functional analysis of the AtoS-AtoC two-component signal transduction system of *Escherichia coli*. *Biochim. Biophys. Acta* **1770**, 1248-1258
36. Matta, M.K., Lioliou, E.E., Panagiotidis, C.H., Kyriakidis, D.A. & Panagiotidis, C.A\* (2007) Interactions of the antizyme AtoC with regulatory elements of the *Escherichia coli* *atoDAEB* operon. *J. Bacteriol.* **189**, 6324-6332.
37. Matta, M.K. & Panagiotidis, C.A\* (2008) High-mobility group protein A1 binds herpes simplex virus gene regulatory sequences both in vitro and in vivo and affects their expression. *Arch. Virol.* **153**, 1251-1262.
38. Filippou, P.S., Kasemian, L.D., Panagiotidis, C.A., & Kyriakidis, D.A. (2008) Functional characterization of the histidine kinase of the E. coli two-component signal transduction system AtoS-AtoC. *Biochim. Biophys. Acta* **1780**, 1023-1031.
39. Kyratsous, C.A., Silverstein, S.J., DeLong, C.R. & Panagiotidis, C.A. (2009) Chaperone-fusion expression plasmid vectors for improved solubility of recombinant proteins in *Escherichia coli*. *Gene* **440**, 9-15. (*Impact Factor: 2,871*)
40. Kyratsous, C.A., Walters, M.S., Panagiotidis, C.A. & Silverstein, S.J. (2009) Complementation of a Herpes Simplex Virus ICPO null mutant by Varicella Zoster Virus ORF61p. *J. Virol.* **83**, 10637-10643. (*Impact Factor: 5,308*)
41. Pilalis, E., Chatziioannou, A., Grigoroudis, A.I., Panagiotidis, C.A., Kollis, F. & Kyriakidis, D.A. (2011) *Escherichia coli* Genome-Wide Promoter Analysis: Search for Potential AtoC Binding Target Elements. *BMC Genomics* **12**, 238. (*Impact Factor: 3,76*)
42. Filippou, P.S., Koini, E., Calogeropoulou, T., Kalliakmani, P., Panagiotidis, C.A., & Kyriakidis, D.A. (2011) Regulation of the *E. coli* AtoSC two component system by synthetic biologically active 5,7,8-trimethyl-1,4-benzoxazine analogues. *Bioorganic & Medicinal Chemistry* **19**, 5061-5070 (*Impact Factor: 2,82*)
43. Kyratsous, C.A. & Panagiotidis, C.A.(2012) Heat-shock Protein Fusion Vectors for Improved Expression of Soluble Recombinant Proteins in *Escherichia coli*. In: *Recombinant Gene Expression: Review and Protocols, Third Edition* (ed. Lorence, Argelia), Springer Humana Press. In Series: *Methods in Molecular Biology* **824**, 109-129.
44. Matta, M.K., Sylignaki, G.I, Lazari, D.M. & Panagiotidis, C.A\* (submitted) Evaluation of the antiviral activities and the mode of action of extracts from six Greek medicinal plants against herpes simplex virus, type 1.

## PATENTS

1. International Patent: WO/2011/016830 Publication date: 10-2-2011, Title: HERPES VIRUS BACKBONE FOR VIRAL VACCINE AND VACCINE BASED THEREON. Inventors: Silverstein, Saul, J., Panagiotidis, Christos, A., Kyratsous, Christos, A., Walters, Matthew, S.
2. United States Patent Application Publication. Pub. No. US 2012/0156238 A1, Pub. Date: June 21, 2012, Title: HERPES VIRUS BACKBONE FOR VIRAL VACCINE AND VACCINE BASED THEREON. Inventors: Silverstein, Saul, J., Panagiotidis, Christos, A., Kyratsous, Christos, A., Walters, Matthew, S.

## CONGRESS PROCEEDINGS

1. Panagiotidis, C.A., Kyriakidis, D.A. & Georgatsos, J.G. (1982) Effect of Gibberellic Acid and Actinomycin D on the Activity of Ornithine Decarboxylase of Germinating Barley Seeds. *Special FEBS Meeting on Cell Function and Differentiation*, Athens, Greece, p. 235A.
2. Kyriakidis, D.A., Panagiotidis, C.A. & Georgatsos, J.G. (1983) Ornithine and Arginine Decarboxylases in Germinating Barley Seeds. *5th Balkan Biochemical and Biophysical Days*, Thessaloniki, Greece, p. 89A.
3. Kyriakidis, D.A., Panagiotidis, C.A. & Georgatsos, J.G. (1984) Regulation of Ornithine Decarboxylase Activity in Germinating Barley Seeds. *Intern. Conference on Polyamines*, Budapest, Hungary, p. 19A.
4. Canellakis, E.S., Kyriakidis, D.A., Fong, W.F., Huang, S.C., Rinehart, C.A. & Panagiotidis, C.A. (1984) The Antizyme(s) to Ornithine Decarboxylase. *Intern. Conference on Polyamines*, Budapest, Hungary, p. 22A.
5. Panagiotidis, C.A., Huang, S.C. & Canellakis, E.S. (1988) The Effect of Polyamines on the Expression of Ornithine and Arginine Decarboxylases and the Ribosomal Proteins S20/L26 and L34 in *Escherichia coli*. *FASEB J.* **2**, A1562.
6. Panagiotidis, C.A., Huang, S.C., Paterakis, A. & Canellakis, E.S. (1990) Transcriptional Effects of Polyamines on Polyamine-Synthesizing Enzymes and Ribosomal proteins in *Escherichia coli* and Characterization of the Acidic Antizyme Gene. *Symposium on Polyamines: Biological and Clinical Aspects*, Albere di Tena, Italy, p.12A.
7. Paterakis, A.A., Panagiotidis, C.A., Huang, S.C., Kyriakidis, D.A. & Canellakis, E.S. (1992) Cloning and Complete Sequence of the Ornithine Decarboxylase Antizyme Gene of *Escherichia coli*. *9th Balkan Biochemical and Biophysical Days*, Thessaloniki, Greece, p.40A.
8. Panagiotidis, C.A., Gaitanaris, G.A., Burkholder, W.F., Gottesman, M.E. & Silverstein, S.J. (1992) Autocatalytic Phosphate Cycling Regulates DnaK. *1992 ASBMB FALL SYMPOSIA on Molecular Chaperones: Functions in Protein Folding and Cellular Metabolism*, Keystone, Colorado, USA, p. 62A.
9. Burkholder, W.F., Gaitanaris, G.A., Panagiotidis, C., Georgopoulos, C., Silverstein, S.J. & Gottesman, M.E. (1992) A Dominant DnaK Mutant with Impaired ATPase Activity Confers PTS-Sugar Transport Defects and Other Phenotypes at Permissive Temperature. *1992 ASBMB FALL SYMPOSIA on Molecular Chaperones: Functions in Protein Folding and Cellular Metabolism*, Keystone, Colorado, USA, p. 49A.
10. Panagiotidis, C.A. & Silverstein, S.J. (1993) Identification of Cellular Factors that Compete with ICP4 for Binding to HSV-1 Regulatory Sequences. *18th International Herpesvirus Workshop*, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, USA, A-147.
11. Bohenzky, R.A., Lium, E.K., Wen, X., Panagiotidis, C.A. & Silverstein, S. (1995) Mutation of the High Affinity ICP4 Binding Site in the Herpes Simplex Virus Type 1  $\alpha 0$  Promoter Affects



$\alpha 0$  Gene Expression. *20th International Herpesvirus Workshop, Groningen, The Netherlands*, A-178.

12. Panagiotidis, C.A. & Silverstein, S.J. (1995) Physical Interactions Between ICP4 and ICP27 from Herpes Simplex Virus. *20th International Herpesvirus Workshop, Groningen, The Netherlands*, A-154.
13. Panagiotidis, C.A. & Silverstein, S.J. (1995) Physical and Functional Interactions Between Herpes Simplex Virus Immediate Early Proteins ICP4 and ICP27. *MOLECULAR PATHOGENESIS OF VIRUSES (Third Annual Bristol-Myers Squibb Symposium on Infectious Diseases)*, Mount Sinai School of Medicine, New York, NY, USA, p.41A.
14. Lium, E.K, Panagiotidis, C.A. & Silverstein, S. J. (1995) Repression of the  $\alpha 0$  Gene in the Context of a Productive Herpes Simplex Virus Infection Depends on the ICP4 Binding Site Upstream of the  $\alpha 0$  TATA Box. *MOLECULAR PATHOGENESIS OF VIRUSES (Third Annual Bristol-Myers Squibb Symposium on Infectious Diseases)*, Mount Sinai School of Medicine, New York, NY, USA, p.33A.
15. Panagiotidis C.A. & Silverstein S.J. (1996) Evidence for Multiple Contacts Between the Herpes Simplex Virus Regulatory Proteins ICP4 and ICP27. *21st International Herpesvirus Workshop*, DeKalb, Illinois, USA, A-3.
16. Panagiotidis, C.A. & Silverstein, S.J. (1997) Modulation of the DNA Binding Activity of ICP4 by the Architectural Host Cell Protein HMG I(Y). *22nd International Herpesvirus Workshop*, University of California, San Diego, USA, A-4.
17. Lungu, O., Annunziato, P., Panagiotidis, C.A., Gershon, A. & Silverstein, S.J. (1997) Latent Varicella Zoster Virus (VZV) Expression in Human Dorsal Root Ganglia (DRG). *22nd International Herpesvirus Workshop*, University of California, San Diego, USA, A-359.
18. Panagiotidis, C.A., Lium, E.K., Wen, X. & Silverstein, S. (1998) The NH<sub>2</sub>-Terminus of the Herpes Simplex Virus Type 1 Regulatory Protein ICP0 Contains a Promoter-Specific Transcription Activation Domain. *23rd International Herpesvirus Workshop*, York, U.K., A-51, p85.
19. Wang, Z.-H., Gershon, M.D., Lungu, O., Panagiotidis, C.A., Arvin A., Mallory, S. & Gershon, A.A. (1998) Envelopment of Varicella Zoster Virus (VZV) in the Trans-Golgi Network (TGN): Targeting of gI and gE. *23rd International Herpesvirus Workshop*, York, U.K., A-6, p59.
20. Lioliou, E.E., Panagiotidis, H.C., Typas, M.A., Panagiotidis, A.C. & Kyriakidis, A.D. (2000) Polyamine Biosynthesis and Metabolic Control of a Two-Component signal transduction system. *2nd International Conference of the Chemical Societies of the South-Eastern European Countries on Chemical Sciences for Sustainable Development*, Halkidiki, Greece, Book of Abstracts **Vol. I**, p.164.
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