CURRICULUM VITAE, 2012
Sophia Kouyanou-Koutsoukou, PhD

SURNAME: Kouyanou-Koutsoukou
FIRST NAME: Sophia
TITLE: Associate Professor
DATE OF BIRTH: June 13, 1951
PLACE OF BIRTH: Makryotika, Kefalonia, Greece
COMMUNICATING ADDRESS: National and Kapodistrian University of Athens, Dept of Genetics and Biotechnology, Panepistimiopolis, Zografou, Athens 15701, Greece
TELEPHONE NUMBER: 30-210-7274718, **FAX**: 30-210-7274318 **e-mail***: skougian@biol.uoa.gr*

Present Position:
- Associate Professor, Dept of Genetics and Biotechnology, Faculty of Biology, University of Athens

Education - Positions - Employment

1974: Diploma in Biology, University of Athens
1975-1976: Technician, Dept. of Biochemistry, Cell and Molecular Biology and Genetics, Faculty of Biology, University of Athens
1976-1982: Research Assistant, Dept. of Biochemistry, Cell and Molecular Biology and Genetics, Faculty of Biology, University of Athens
1982: Ph.D. in Biological Sciences, University of Athens
1982-2000: Lecturer, Dept. of Biochemistry, Cell and Molecular Biology and Genetics, Faculty of Biology, University of Athens
2000-2011: Assistant Professor, Dept of Genetics and Biotechnology, Faculty of Biology, University of Athens
2012: Associate Professor, Dept of Genetics and Biotechnology, Faculty of Biology, University of Athens

Honors and Awards
1971-1972: Two years Fellowship from the National Foundation “IKY”
1977: Fellowship from EMBO, Germany.
1979: Fellowship from the Greek Ministry of Development (Research fellow, DKFZ, Germany).
2005: Fellowship from the Greek Ministry of Education (Research fellow, CBM-UAM, Spain).

Postgraduade Research Experience
1977: German Cancer Research Centre, DKFZ, Heidelberg, Germany.
1978: German Cancer Research Centre and Max-Plank Institute,, Berlin, Germany.
1979: German Cancer Research Centre and Max-Plank Institute, Berlin, Germany.

Postdoctoral Research Experience
1984: IMBB, Crete.
1992, 1993, 1995, 1999, 2000, 2005: Centro de Biologia Molecular, Universidad Autonoma de Madrid, Spain.
2009, 2011: Department of Molecular Biology, John Paul II Catholic University of Lublin, Poland

Member of:
Hellenic Society of Biological Sciences
Hellenic Biochemical and Biophysical Society

Supervision of PhD, MSc and Undergraduate students:
Supervisor of two (2) PhD students,
Supervisor of more than 40 Undergraduate Diploma Theses, examiner in several PhD Theses

Teaching Activities:
-Graduate courses: Co-ordinator of: a) Introduction to Biology (compulsory) (b) Introduction to Biology (compulsory- Pharmacy Fuculty) (c) Molecular and Developmental Biology (choice course)
-Post-graduate course for Ph.D. students "Molecular Genetics "
-Post-graduate course for M.Sc "Applications of Biology in Medicine"**:** Biology

National & International Conferences
16 abstracts and talks in International Conferences and more than 40 abstracts in National Conferences.

Recent research interests

- Translational control of gene expression in two eucaryotes of economical importance, the Mediterranean fly *Ceratitis capitata* and the mussel *Mytilus galloprovincials*: molecular and functional analysis of protein kinase CK2, superoxide dismutase SOD and ribosomal P0 protein at stress conditions. Programmed cell death in insects: apoptosis in oogenesis
- Translational control of gene expression in inflammatory and autoimmune diseases: expression of protein kinase CK2, superoxide dismutase SOD and ribosomal P0 protein and their implication in apoptosis.

Funded Research projects - Research activities:
Special Account for Research Grants of the National and Kapodistrian University of Athens (annually released research grants)
Coordinator or active participant of research projects funded by National and EC sources
1977: Center of Cancer research (DKFZ), Heidelberg, Germany. Three month research work, funded by an EMBO fellowship.
1978, 1979: Center of Cancer research (DKFZ), Heidelberg, Max Plank Institute of Molecular Genetics, Berlin, Germany. Three month research work, funded by the Greek Ministry of Development.
1984: Institute of Molecular Biology and Biotechnology, Crete. Two month research work, funded by a PENED program of the G.S.R.T., Greece *(active participant).*
1992, 1993: Center of Molecular Biology, Autonomous University of Madrid, Spain. One month research work, funded by a Spain-Greece scientific research project *(active participant)*.
1995, 1999: Center of Molecular Biology, Autonomous University of Madrid, Spain. One month research work, funded by a Spain-Greece scientific research project *(Coordinator)*.
1999-2000: 18 month PENED program of the G.S.R.T., Greece *(Coordinator of the Athens Univ. group).*
2000, 2005: Center of Molecular Biology, Autonomous University of Madrid, Spain. One week research work, funded by a Spain-Greece Erasmus project *(Coordinator)* and the Greek Ministry of Education.

2009, 2011: Department of Molecular Biology, John Paul II Catholic University of Lublin, Poland. One week teaching and research work, funded by a Spain- Poland Erasmus project *(Coordinator)*.

University textbooks

1. **Introduction to Biology**. Athens University Publications, T. Patargias, K. Komitopoulou and S. Kouyanou, Athens, 1996.
2. **Molecular Biology of Development**. Athens University Publications, K. Komitopoulou and S. Kouyanou, Athens, 1998.

List of peer-reviewed publications (1983-2012)

1. **Kouyanou S.** Fragoulis E.G. and Kafatos F.C., (1983): Developmental and evolutionary comparisons of proteins from purified ribosomal subunits of two silkmoths. Eur. J. Biochemistry135,1-8.
2. **Kouyanou S**. and Fragoulis E.G. (1985): Comparison of native and KCl treated 40S ribosomal subunits from the silkmoth Antheraea pernyi and mammals. Comp. Biochem.Physiol.82B,461- 462.
3. Komitopoulou K., **Kouyanou S.** and Kafatos F.C., (1986): Two temperature sensitive mutants deffecting chorion gene amplification in Drosophila melanogaster. Devel. Genetics,7,75-80.
4. **Kouyanou S**., Pilali M. and Fragoulis E.G., (1995): Ribosome associated ribosucleases from six day larvae of the insect *Ceratitis capitata.* Biochem. and Mol. Biol. International 37,1217-1227.
5. **Kouyanou S**., Gagou M.E. and Fragoulis E.G., (1998). Characterization of acidic ribosomal proteins from three developmental stages of the medfly *Ceratitis capitata* (1998) Biochem. And Mol. Biol. International 45, 3, 623-633.
6. Gagou M.E., Rodriguez-Gabriel M.A., Ballesta J.P.G. and **Kouyanou S.,** (1999). Isolation and expression of the genes encoding the acidic ribosomal proteins P1 and P2 in the medfly *Ceratitis capitata*. Gene, 226, 365-373.
7. Gagou M.E., Ballesta J.P.G. and **Kouyanou S**., (2000). Cloning and characterization of the ribosomal protein CcP0 of the medfly *Ceratitis capitata*. Insect Molecular Biology, 9(1), 47-55.
8. Gagou M.E., Rodriguez-Gabriel M.A., Ballesta J.P.G. and **Kouyanou S**. (2000) The ribosomal P-proteins of the medfly Ceratitis capitata form a heterogenous stalk structure interacting with the endogenous P-protens, in conditional P0-null strains of the yeast *Saccharomyces cerevisiae* Nucleic Acids Research, 28, 3, 736-743.
9. **Kouyanou S**, Santos C, Koliaraki V, Ballesta J.P.G. (2003). Protein BmP0 from the silkworm Bombyx mori can be assembled and is functional in the Saccharomyces cerevisiae ribosomal stalk in the absence of the acidic P1 and P2 proteins Gene 314: 173-179.
10. Koumarianou P., Garcia-Marcos A., Ballesta J.P., **Kouyanou-Koutsoukou S**. (2007). In vivo analysis of the genes of ribosomal proteins P1 and P2 of the silkworm *Bombyx mori* in the yeast *Saccharomyces cerevisiae* Gene, 388, 27-33.
11. Kolaiti, R.-M., J. M. Lucas, **S. Kouyanou-Koutsoukou** (2009). Molecular cloning of the ribosomal P-proteins MgP1, MgP2, MgP0, and superoxide dismutase (SOD) in the mussel *Mytilus galloprovincialis* and analysis of MgP0 at stress conditions. Gene, 430, 77–8.

12. Kolaiti R.-M., Baier A., Szyszka R. and **Kouyanou-Koutsoukou S**. (2011). Isolation of a CK2α Subunit and the Holoenzyme from the Mussel *Mytilus galloprovincialis* and construction of the CK2α and CK2β cDNAs. Mar Biotechnol. 13:505-516.
13. **Kouyanou-Koutsoukou S.,** Baier A., Kolaiti R.M., E. Maniatopoulou, K. Thanopoulou and Ryszard Szyszka (2011). Cloning and purification of protein kinase CK2 recombinant alpha and beta subunits from the Mediterranean fly *Ceratitis capitata.* Mol. Cell Biochem.356:261-267.
14. **Kouyanou-Koutsoukou S.,** D.L. Kalpaxis, S. Pytharopoulou, R.M. Kolaiti, A. Baier, R. Szyszka (2011). Translational Control of Gene Expression in the Mussel Mytilus Galloprovincials: The Impact of Cellular Stress on Protein Synthesis, The Ribosomal Stalk and the Protein Kinase CK2 (Review article). In: *Mussels*: Anatomy, Habitat and Environmental *Impact,* pp. 97-128. Nova Publishers ISBN: 978-1-61761-763-8.
15. Ellina O., Chatzigeorgiou A., **Kouyanou S**., Lymberi M. , Mylona-Karagianni C., Tsouvalas E. and Kamper E. F. (2012). Extracellular matrix-associated (GAGs, CTGF), angiogenic (VEGF) and infl ammatory factors (MCP-1, CD40, IFN- γ) in type 1 diabetes mellitus nephropathy. Clin Chem Lab Med;50(1).
16. **Kouyanou-Koutsoukou S.,** Baier A., Kolaiti R.M. and Ryszard Szyszka (2012). Protein kinase CK2 in two higher eucaryotes of economical importance, the *mussel Mytilus galloprovincialis* and the medfly *Ceratitis capitata.* Cent. Eur. J. Biol.7, 185-19