

## SHORT CURRICULUM VITAE

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### EDUCATION

1981 - 1984: Bachelor of Science (B.Sc.) in Cell Biology with Honors Upper Class II (Division I), University of Essex, Essex, U. K.  
1984 - 1985: Diplôme d'Etudes Approfondies (DEA) in Génétique et Physiologie des Microorganismes, Institut de Microbiologie, Université de Paris-XI, Centre d'Orsay, France.  
1985 - 1989: Thèse de Doctorat (Ph.D) in "Science de la vie" (Molecular Biology) with mention "Très Honorable", Institut de Microbiologie, Université de Paris-XI, Centre d'Orsay, France.

### POSITIONS HELD

May 1989 -  
July 1990: Post-doctorate Fellow, Institut de Microbiologie, Université de Paris-XI, Centre d'Orsay, France.  
November 1990 -  
December 1992 Post-doctorate Fellow, Yeast Molecular Genetics, Institute of Molecular Biology and Biotechnology (IMBB-ITE), Heraklion, Crete, Greece.  
March 1993 -  
October 1993: Post-doctorate Researcher, Laboratory of Developmental Neuroscience, Department of Health Sciences, Division of Medicine, University of Crete, Heraklion, Crete, Greece.  
January 1994-  
May 1995 Post-doctorate Researcher, Laboratory of Radiation and Molecular Biology, Institute of Biology, NCSR "Demokritos", Athens, Greece.  
June 1995-  
February 1999 Associate Research Scientist, Laboratory of Microbial Molecular Genetics, Institute of Biology, NCSR "Demokritos", Athens, Greece.  
March 1999-  
October 2004 Senior Research Scientist, Laboratory of Molecular Genetics, Institute of Biology, NCSR "Demokritos", Athens, Greece.  
October 2004-  
present Research Director, Laboratory of Microbial Molecular Genetics, Institute of Biology, NCSR "Demokritos", Athens, Greece.

## EDUCATION AWARDS

- 1984 - 1985: Post-graduate Training Grant, Institute of Molecular Biology and Biotechnology (IMBB-ITE), Crete, Greece.
- 1985 - 1987: Post-graduate Onnasis-Foundation Grant for Doctoral Studies, Institut de Microbiologie, Université de Paris-XI, Centre d'Orsay, France.
- 1987 - 1989: E.C. Grant for Doctoral Studies, Institut de Microbiologie, Université de Paris-XI, Centre d'Orsay, France.
- 1989 - 1990: E.C. Grant for Postdoctoral Studies, Institut de Microbiologie, Université de Paris-XI, Centre d'Orsay, France.
- 1990 - 1992: Postdoctoral Grant, Institute of Molecular Biology and Biotechnology, (IMBB-ITE), Crete, Greece.

## SCIENTIFIC ACTIVITIES

- Member of the editorial board of “The Open Mycology Journal” (Bentham Science Publishers).
- Referee for articles published in International Journals.
- Evaluator and Adviser of National and International Competitive Grants.
- Invited speaker at International Conferences
- Organizer of International Congresses
- Member of the Scientific Canceling Board at IB NCSR “D”.
- Member of the Education Committee at NCSR “D”.
- President of the Education Committee at IB.
- Member of the committee for organization of retreats at the IB

## EDUCATIONAL ACTIVITIES

Post-graduate Education Courses on

1. «Regulation of Gene Expression», “Molecular Genetics” at Institute of Biology NCSR «Demokritos» (2000-today)
2. «Microbial Biotechnology-Model Systems of Molecular Microbiology» at the Department of Biology National University of Athens (2007-today).
3. “Molecular Biology: Systemic and *in silico* Approaches”, a Graduate Mandatory Course of the Interdisciplinary (Faculty of Biology and Medical School, National and Kapodistrian University of Athens {NKUA}, Athens, Greece) Two-Years Graduate Program “Applications of Biology in Medicine”. (2012, 2013).

Coordinator of the Post-graduate Course on “Chromatin structure and regulation of gene expression” at IB.

Member of the Evaluation Committee for the recruitment of new Researchers at the IB

Member of the Examination Committee for the recruitment of new graduate students at the IB (with scholarship from NCSR “Demokritos”).

President of the Evaluation Committee for the recruitment of Post-doctorates at the IB (with scholarship from NCSR “Demokritos”).

Member of the Internal Committee for supervision of graduate students with scholarship from NCSR “Demokritos” at the IB.

Member of the Advisory and the Evaluation Committee for the Ph.D thesis of 5 graduate students at IB and University of Athens.

Member of the Advisory Committee for the Ph.D thesis of 2 graduate students at IB and University of Athens and Ioannina.

External Examiner of the Evaluation Committee for the Ph.D. thesis of students in the Institut de Microbiologie, Université de Paris-XI, Centre d’Orsay, France (2003) and the Biology Department of EKPA (2010).

### **Supervision:**

Post-doctorates: 4

PhD Students: 8 (6 completed; 2 in progress)

Master Students: 2 (1 completed; 1 in progress)

Diploma Students: 12 (10 completed; 2 in progress)

Practical training of undergraduate students from universities abroad: 12 (3 Erasmus, 9 summer and practical students).

### **OTHER SCIENTIFIC ACTIVITIES**

- Co-organizer of the 19<sup>st</sup> Congress of Small Meeting on Yeast transport and Energetics (SMYTE), Chania, Greece. 14-17 September 2001.
- Member of the Organizing Committee of the 1<sup>st</sup> Panhellenic Congress of the Hellenic National Initiative “Microbiokosmos”, Athens Greece, 12-14 December 2008.
- Member of the Organizing Committee of the 60<sup>th</sup> Panhellenic Congress of the Hellenic Society for Biochemistry and Molecular Biology, Athens Greece, 20-22 November 2009.
- Invitation to Co-chair of the Membrane trafficking and molecular organization session of the 27<sup>th</sup> Fungal Genetics Conference in 2013, Asilomar Conference Center in Pacific Grove, California.
- Member of the EUFGEN project

Member of Hellenic Scientific Societies HSBMM, PEB & EEBE,

Member of the American Association for Cancer Research.

### **SCIENTIFIC INTERESTS**

#### **Research Interests**

Our group is primarily interested in several aspects concerning the expression, function, cell biology and evolution of transport proteins and in the lateral organization of the fungal plasma membrane. Our model organism of choice is the non-pathogenic ascomyces *Aspergillus nidulans*, a classic model genetic system since the 1950's. Two *A. nidulans* amino acid transporters have been cloned and studied in detail in respect to their transcriptional, post-translational and cellular control of expression. In addition, we have introduced *A. nidulans* as a novel model system for the expression and/or functional characterization of heterologous transporter genes. In

parallel, the last 4 years we are studying the lateral compartmentation of *A. nidulans* plasma membrane and how this organization is implicated in different cellular processes. In particular we are focused on “eisosomes” static plasma membrane compartments that constitute nanoscale furrow-like invaginations of the plasma membrane where proteins and lipids segregate.

### ***Transporters of medical, pharmacological and agricultural importance***

*Activities:*

a) identification and regulation of the expression of genes encoding amino acid transporters b) isolation and characterization of factors that regulate directly or indirectly amino acid transporter function ie *trans*-acting molecular determinants involved in topogenesis/trafficking/recycling of amino acid transport systems (CKI kinases, enzymes of carbon catabolism, ER proteins) c) studies on structure-function relationships of amino acid transporters and d) studies concerning the evolution of amino acid transporters in the Aspergilli.

*Intermediate and Long-term objectives:* better understanding of the dysfunction of amino acid transporters in neurodegenerative diseases, possible identification of new pharmaceutical targets and future development of highly-targeted drugs, with little or no side effects on human patients.

### ***Fungal membrane organization***

*Activities:*

a) identification and molecular, cellular characterization of eisosomal and eisosome-associated proteins involved in lateral compartmentation of fungal plasma membrane b) functional characterization of eisosome and eisosome-associated proteins c) structure-function analysis of eisosome and eisosome-associated proteins

*Intermediate and Long-term objectives:* knowing the role of specific fungal proteins, including those in contact with the cells of the host, is one of the strategies to develop very specific anti-mycotic drugs with little or no side effects on human patients, which is not the case with most of the first-line anti-mycotic drugs.

### **COMPETITIVE RESEARCH GRANTS: 1998-today**

Provided by

1. The General Secretariat of Science and Technology (GSRT) of the Greek Ministry of Development: 9
2. European Union: 3

**see table**

Group funding: approx. 600.000 Euros

### **ACTIVE COLABORATIONS**

Prof. C. Scazzocchio, Imperial College, UK  
Ass. Prof. G. Diallinas, University of Athens  
Prof. St. Frillingos, University of Ioannina

## PUBLICATIONS:

**Thèse de Doctorat:** «Le groupe des gènes *prn* impliqués dans la dégradation de la L-proline chez *Aspergillus nidulans*: Séquence du gène *prnB* codant pour la perméase de la L-proline, régulation des gènes *prn* et caractérisation de mutations régulatrices *cis*-actives», Institut de Microbiologie, Université de Paris-XI, CNRS, Centre d'Orsay, France.

### A. PEER REVIEW ARTICLES

1. V. Sophianopoulou and C. Scazzocchio, 1989. The proline transport protein of *Aspergillus nidulans* is very similar to amino-acid transporters of *Saccharomyces cerevisiae*. **Mol. Microbiol.** 3(6): 705-714  
<http://www.ncbi.nlm.nih.gov/pubmed/2664423>
2. V. Sophianopoulou, T. Suarez, G. Diallinas and C. Scazzocchio, 1993. Operator derepressed mutations in the proline utilization cluster of *Aspergillus nidulans*. **Mol. Gen. Genet.** 236: 209-213  
<http://www.ncbi.nlm.nih.gov/pubmed/8437566>
3. V. Sophianopoulou and G. Diallinas, 1993. AUA1, a gene involved in ammonia regulation of amino-acid transport in *Saccharomyces cerevisiae*. **Mol. Microbiol.** 8 (1): 167-178 <http://www.ncbi.nlm.nih.gov/pubmed/8497191>
4. U. Tazebay, V. Sophianopoulou, A. Rosa, C. Scazzocchio and G. Diallinas 1994. Structure-Function analysis of the Proline Permease (PrnB) of the filamentous fungus *Aspergillus nidulans*. **Folia Microbiol. (Prague)** 39 (6): 551-552 <http://www.ncbi.nlm.nih.gov/pubmed/8550020>
5. V. Sophianopoulou and G. Diallinas, 1995. Amino acid transporters of lower eukaryotes: regulation, structure and topogenesis. **FEMS Microbiol. Rev.** 16 (1): 53-75 <http://www.ncbi.nlm.nih.gov/pubmed/7888172>
6. U. H. Tazebay, V. Sophianopoulou, B. Cubero, C. Scazzocchio and G. Diallinas, 1995. Post-transcriptional control and kinetic characterization of proline transport in germinating conidiospores of *Aspergillus nidulans*. **FEMS Microbiol. Lett.** 132 (1-2): 27-37  
<http://www.ncbi.nlm.nih.gov/pubmed/7590163>
7. G. Diallinas, V. Sophianopoulou, L. Gorfinkiel, G. Cecchetto, J. Valdez, A. Rosa and C. Scazzocchio, 1997. Structure-Function Analysis of Purine Transporters in the Filamentous Fungus *Aspergillus nidulans*. **Folia Microbiol.** 42(3): 260-261
8. S. N. Tavoularis, U. Tazebay, G. Diallinas, C. Scazzocchio, V. Sophianopoulou, 1997. Preliminary studies on structure-function analysis of a major proline transporter (PRNB) of the filamentous fungus *Aspergillus nidulans*. **Amino acids** 13(1): 31  
<http://www.scopus.com/record/display.url?eid=2-s2.0-0030962764&origin=resultslist&sort=plf-f&src=s&st1=sophianopoulou&nlo=&nlr=&nls=&sid=78AEE5377AD5ABAAC9C898B8D5CA6BB7>

9. U. H. Tazebay, V. Sophianopoulou, C. Scazzocchio and G. Diallinas, 1997. The gene encoding the major proline transporter of *Aspergillus nidulans* is up regulated during conidiospore germination and in response to proline induction and amino acid starvation. **Mol. Microbiol.** 24 (1): 105-117  
<http://www.ncbi.nlm.nih.gov/pubmed/9140969>
  
10. G. Georgakilas, L. Sakelliou, L. H. Margaritis, E. G. Sideris and V. Sophianopoulou, 1998. Effects of gamma rays on the stability and size of DNA. **Radiat. Res.** 150 (4): 488-491  
<http://www.ncbi.nlm.nih.gov/pubmed/9768865>
  
11. G. Diallinas, J. Valdez, V. Sophianopoulou, A. Rosa and C. Scazzocchio, 1998. Chimeric purine transporters of *Aspergillus nidulans* define a domain critical for function and specificity conserved in bacteria, plant and metazoan homologues. **EMBO J.** 17 (14): 3827-3837  
<http://www.ncbi.nlm.nih.gov/pubmed/9670000>
  
12. E. E. Visvardis, K. S. Haveles, Th. Pataryas, L. H. Margaritis, V. Sophianopoulou and E. G. Sideris, 2000. Diversity of Peripheral Blood Mononuclear Cells as revealed by a Novel Multiple Microgel "Comet Assay" **Environ. Mol. Mutagen.** 36 (1): 32-39  
<http://www.ncbi.nlm.nih.gov/pubmed/10918357>
  
13. K. S. Haveles, A. G. Georgakilas, E. G. Sideris and V. Sophianopoulou, 2000. Effects of Radical Scavengers on Radiation-Induced DNA Double Strand Breaks. **Int. J. Radiat. Biol.** 75 (1): 51-59  
<http://www.ncbi.nlm.nih.gov/pubmed/10665957>
  
14. G. Georgakilas, K. S. Haveles, V. Sophianopoulou, L. Sakelliou, G. Zarris and E. G. Sideris, 2000. Alpha-Particle-Induced Changes in the Stability and the Size of DNA. **Radiat. Res.** 153 (3): 258-262  
<http://www.ncbi.nlm.nih.gov/pubmed/10669546>
  
15. E.G. Sideris, A. G. Georgakilas, K. S. Haveles, A. A. Konsta, V. Sophianopoulou and E.-E. Visvardis, 2001. The "Balkan Syndrome" of depleted uranium - affected leukemia: facts and fears, **Special Invited Review Article**, **J. B.U.ON**, 6(3) 231-235
  
16. E. Argyrou, V. Sophianopoulou, N. Schultes and G. Diallinas, 2001. Functional characterization of a maize purine transporter by expression in *Aspergillus nidulans*. **Plant Cell** 13 (4): 953-964  
<http://www.ncbi.nlm.nih.gov/pubmed/11283348>
  
17. S. N. Tavoularis, C. Scazzocchio and V. Sophianopoulou, 2001. Functional expression and cellular localization of a green fluorescent protein-tagged proline transporter in *Aspergillus nidulans*. **Fungal Genet. Biol.** 33 (2): 115-125  
<http://www.ncbi.nlm.nih.gov/pubmed/11456464>

18. G. Diallinas and V. Sophianopoulou, 2002. Nucleobase transporters as a novel tool in molecular pharmacology. **Rev. Clin. Pharmacokinetics**, International Edition 16(1): 33-35  
<http://www.scopus.com/record/display.url?eid=2-s2.0-0036271412&origin=resultslist&sort=plf-f&src=s&nlo=&nlr=&nls=&imp=t&sid=78AEE5377AD5ABAAC9C898B8D5CA6BB7>
19. S. N. Tavoularis, U. H. Tazebay, G. Diallinas, A. Rosa, C. Scazzocchio and V. Sophianopoulou, 2003. Mutational analysis of the major proline transporter (PrnB) of *Aspergillus nidulans*. **Mol. Membr. Biol.** 20 (4): 285-297  
<http://www.ncbi.nlm.nih.gov/pubmed/14578044>
20. S. Amillis, G. Cecchetto, V. Sophianopoulou, M. Koukaki, C. Scazzocchio and G. Diallinas, 2004. Developmental induction of Purine transporters during conidiospore germination provides a mechanism for sensing purine availability in *Aspergillus nidulans*. **Mol. Microbiol.** 52(1): 205-216  
<http://www.ncbi.nlm.nih.gov/pubmed/15049821>
21. Z. Erpapazoglou, P. Kafasla and V. Sophianopoulou, 2006. The product of the SHR3 orthologue of *Aspergillus nidulans* has restricted range of amino acid transporter targets. **Fungal Genet. Biol.** 43: 222-233  
<http://www.ncbi.nlm.nih.gov/pubmed/16531082>
22. N. Mourtzis, K. Eliadou, C. Aggelidou, V. Sophianopoulou, I. M. Mavridis and K. Yannakopoulou, 2006. Per (6-guanidino-6-deoxy) cyclodextrins: Synthesis, characterisation and binding behaviour toward selected small molecules and DNA. **Org. Biomol. Chem.** 5 (1): 125-131  
<http://www.ncbi.nlm.nih.gov/pubmed/1716491>
23. P. Kafasla, S. Frillingos and V. Sophianopoulou, 2007. The proline permease of *Aspergillus nidulans*: functional replacement of the native cysteine residues and properties of a Cysteine-less-transporter. **Fungal Genet. Biol.** 44 (7): 615-26  
<http://www.ncbi.nlm.nih.gov/pubmed/17350864>
24. D. Bouzarelou, M. Billini, K. Roumelioti and V. Sophianopoulou, 2008. An expansin-like protein with putative endoglucanase activity possesses cell wall remodeling function during germination in *Aspergillus nidulans*. **Fungal Genet. Biol.** 45(6):839-50  
<http://www.ncbi.nlm.nih.gov/pubmed/18406638>
25. M. Billini, K. Stamatakis and V. Sophianopoulou, 2008. Two members of a network of putative Na<sup>+</sup>/H<sup>+</sup> antiporters are involved in salt and pH tolerance of the freshwater cyanobacterium *Synechococcus elongatus*. **J. Bacteriol.** 190(19):6318-6329  
<http://www.ncbi.nlm.nih.gov/pubmed/18641132>
26. A. Apostolaki, Z. Erpapazoglou, L. Harispe, M. Billini, P. Kafasla, D. Kizis, M. Peñalva, C. Scazzocchio and V. Sophianopoulou, 2009. AgtA, the dicarboxylic amino acid transporter of *Aspergillus nidulans*, is concertedly down-regulated by exquisite sensitivity to nitrogen metabolite repression and ammonium-elicited endocytosis. **Eukaryotic Cell** 8(3): 339-352  
<http://www.ncbi.nlm.nih.gov/pubmed/19168757>

27. I. Vangelatos, D. Vlachakis, V. Sophianopoulou, G. Diallinas, 2009. Modelling and mutational evidence identify the substrate binding site and functional elements in APC amino acid transporters. **Mol. Membr. Biol.** 26(5):356-70 <http://www.ncbi.nlm.nih.gov/pubmed/19670073>
28. K. Roumelioti, I. Vangelatos and V. Sophianopoulou, 2009. A cryptic role of a glycolytic-gluconeogenic enzyme (aldolase) in amino acid transporter turnover in *Aspergillus nidulans* **Fungal Genet. Biol.** 47: 254–267 <http://www.ncbi.nlm.nih.gov/pubmed/20026236>
29. I. Vangelatos, K. Roumelioti., C. Gournas T. Suarez, C. Scazzocchio and V. Sophianopoulou, 2010. Eisosome organization in the filamentous ascomycete *Aspergillus nidulans* **Eukaryotic Cell** 9(10): 1441-1454 <http://www.ncbi.nlm.nih.gov/pubmed/20693301>
30. C. Scazzocchio, I. Vangelatos, and V. Sophianopoulou, 2011. Eisosomes and membrane compartments in the ascomycetes: a view from *Aspergillus nidulans*. Invited Addendum Article to 9. **Commun. Integr. Biol.** Vol. 4(1): 1-5 <http://www.ncbi.nlm.nih.gov/pubmed/21509182>
31. A. Apostolaki, L. Harispe, AM., Calcagno-Pizzarelli, I. Vangelatos, V. Sophianopoulou, A. Arst Jr, MA. Peñalva, A. Sotiris, and C. Scazzocchio, 2012. The activity of an *Aspergillus nidulans* essential casein kinase I is required for delivery of amino acid transporters to the plasma membrane. **Mol. Microbiol.** 84(3):530-49 <http://www.ncbi.nlm.nih.gov/pubmed/22489878>
32. A. Athanasopoulos, H. Boleti, C. Scazzocchio and V. Sophianopoulou, 2013. Eisosome distribution and characterization in the meiotic progeny of *Aspergillus nidulans* **Fungal Genet. Biol.** 53: 84-96 <http://www.sciencedirect.com/science/article/pii/S1087184513000169>

## B. CHAPTER IN BOOKS

1. Felebok, V. Sophianopoulou, M. Mathieu, D. Sequeval, P. Kulmberg, G. Diallinas and C. Scazzocchio, 1989. Regulation of genes involved in the utilization of Carbon Sources in *Aspergillus nidulans*. In “Molecular Biology of Filamentous Fungi” eds. H. Nevalainen and M. Penttila, pages 73-83
2. V. Gavrias, B. Cubero, B. Cazelle, V. Sophianopoulou and C. Scazzocchio, 1994. The proline utilisation gene cluster of *Aspergillus nidulans*. In "The Genus *Aspergillus*", From Taxonomy and Genetics to Industrial Application, eds. K.A. Powell, A. Renwick and J. F. Peberdy, pages 225-232.
3. K. S. Haveles, A. G Georgakilas, V. Sophianopoulou, Th. Katsorchis and E. G Sideris, 1996. Free Radical Scavengers Effect on the Helix to Helix Transition of the DNA Macromolecule. In “Molecular Properties and Chemistry of Biological Systems” eds. N. Hadjiliadis and M. Fasano, Edizioni Dell’Orso, pages 203-208.



4. M. Billini, V Sophianopoulou and K. Stamatakis, 2004. Molecular and functional characterization of a  $\text{Na}^+/\text{H}^+$  antiporter of cyanobacterium *Synechococcus* sp PCC 7942. in: *Photosynthesis: Fundamental Aspects to Global Perspectives*, Eds A. van der Est and D. Bruce, pages.742-744.
5. M. Billini and V. Sophianopoulou, 2009. Isolation and molecular characterization of genes encoding  $\text{Na}^+/\text{H}^+$  antiporters in the freshwater cyanobacterium *Synechococcus elongatus*. In “Research Advances in Bacteriology” Invited Article (Global Research Network).

**C. Abstracts in International Meetings: 50**

**D.: Abstracts in Greek Meetings 42**

**Competitive research grants - Funding  
2000-2004**

<b>Title</b>	<b>Funding Agency*</b>	<b>Period of Support</b>	<b>Type of Grant</b>	<b>Coordinator</b>	<b>Collaborators</b>	<b>Total Funding (€)</b>	<b>Group Funding (€)</b>
Functional analysis of genes encoding transmembrane transporters of putative clinical and pharmacological importance in the model eukaryotic microorganism <i>A. nidulans</i>	GSRT	2000 – 2002	(EPET II) PENED 99 ΕΔ 158	V. Sophianopoulou IB, NCSR“D”	G. Diallinas (University of Athens)  P. Anezinis (University of Crete)	150.000	62.000
<i>Aspergillus nidulans</i> comme systeme genetique et moleculaire pour l' etude des transporteurs de nucleobases humaines.	GSRT	2000 - 2001	Bilateral Greece- France, Platon A.II. 99.	G. Diallinas, University of Athens	V. Sophianopoulou, IB, NCSR“D”  C. Scazzocchio (Universite Paris IX)	12.325	6.162
Molecular analyses and functional interactions of genes and proteins involved in differentiation, thermotolerance and ion transport	GSRT	1/1/00- 30/6/01	(EPET II) PENED 01 ΕΔ 148	P. Xatzopoulos  Agricultural University of Athens	V. Sophianopoulou. IB, NCSR“D”  K. Stamatakis IB, NCSR“D”	234.189	73.367
“Induction Repair and Biological Consequences of DNA damage caused by Radiation of Various Qualities”	EE/GD XII,F14P -C95- 0011	1999 - 2003	Competitive	Gray Laboratories, University of Gottingen, I.N.F.N.	V. Sophianopoulou, IB, NCSR“D”  EG Sideris, IB, NCSR“D”  Istituto di Sanita, University of Leiden, University of Giessen, University of Uppsala, University of Saraland, University of Stockholm	1.000.000	166.730
Study of the mechanisms involved in the transport, of nucleobases and amino acids through the	NCSR “D”	1999 - 2000	Competitive	V. Sophianopoulou IB, NCSR“D”		11.800	11.800

plasma membrane, by the function of specific transmembrane transporters”							
«Genetic Molecular and functional study of transmembrane transporters»	IB, NCSR “D”	2002 - 2003	Competitive	V. Sophianopoulou IB, NCSR“D”	K. Stamatakis, IB, NCSR“D”	3.500	1.750

## 2005-today

Title	Funding Agency *	Period of Support	Type of Grant	Coordinator	Collaborators	Total Funding (€)	Group Funding (€)
“Study of CNS transporters: Glutamate Transporters”.	GSRT	2005-2008	EPAN PENEΔ 03	V. Sophianopoulou IB, NCSR“D”	Vlassi, IB, NCSR“D” M. Typas, University of Athens	115.320	52.309
Structure-function analysis of purine transporters for the systematic and targeted pharmacological treatment of pathogenic fungi	GSRT	2005-2008	EPAN PENED 03	G. Diallinas (University of Athens)	V. Sophianopoulou, IB, NCSR“D” University of Ioannina	207.357	15.000
Structure-function relationships and physiology of the nucleobase-ascorbate transporter (NAT) family.	GSRT	2006-2008	Bilateral Greece-USA	St. Frilingos	V. Sophianopoulou, IB, NCSR“D” G. Diallinas, University of Athens R. Kaback, University of Kalifornia, LA	60.000	1.000
Eisosomal proteins in <i>Aspergillus nidulans</i> : regulators of endocytosis, cell wall synthesis, membrane subdomain organization and cell cycle.	EC	2010-2013	FP7-PEOPLE-2009-RG	V. Sophianopoulou IB, NCSR“D”	Z. Erpapazoglou Institut Jacques Monod, Paris, Fr	45.000	45.000
«Membrane transport: Structure-function and evolutionary relationships»	GSRT EKT	2012-2014	THALIS	St. Frilingos	V. Sophianopoulou	520.000	80.000
Development and employment of Minos-based genetic and functional genomic technologies in model organisms.	GSRT EKT	2012-2014	THALIS	B. Savakis	V. Sophianopoulou	599.000	15.250

## **1996-1999**

1996-1997: PLATON A.II. 4608/25.4.96. Bilateral Greece-France. Coordinator: V. Sophianopoulou. Total and Group Funding: 11.800 Euro.

1997-1999: E. E/ G. D XII, F14P-C95-0011. "Experimental data for the induction of cancer by radiation of different qualities". Coordinator: E.G. Sideris. Group Funding: 52.824 Euro.

1997: IEAE (International Atomic Energy Agency) αρ. 470. "Development of Specific Radio-immunoassays for Determining the Biologically Active Peptides Tyrosine beta-10 or Tyrosine beta-4 in Human Serum and/or Tissue Extracts- Evaluation of the Diagnostic Importance of these peptides in Human Breast Cancer". Coordinator: E. Livaniou, I/RRP, NCSR "D". Total Funding: 30.000 Euro. Group Funding 2.000 Euro.