



**Maria Goreti Rosa-Freitas**

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**BIOLOGICAL SCIENCES CONSULTANT Ph.D., M.Sc.**

Holding developed skills that have been gained through research, development and consultancy work on sustainable agricultural development, molecular biology, parasitology, epidemiology, entomology and geographical information systems of malaria, dengue, Chagas disease and leishmaniasis in the Amazon Region of Brazil. Experience covers the establishment of a remote located laboratory in the Brazilian Amazon, publishing of original scientific articles, editorial work for international journals, theses reviewing and consultancy on a broad range of projects. Consultancy for scientific, educational and applied projects including writing, follow-up, successful implementation, middle and final reports within budget, scope, timetables. Able to work alone, under pressure and in a multi-task, multi-ethnic group environment. Working creatively, efficiently, with good humour, keeping high ethical standards aiming to successful task completion.

**ADVANCED SKILL AND KNOWLEDGE AREAS**

- ☞ Consultative work
- ☞ Scientific work editing
- ☞ MS Office Windows Word, Excel, ArcView, Adobe Acrobat Professional, Macromedia
- ☞ Portuguese (mother language), English, Greek

**EDUCATION**

Postdoctoral Fellow	Department of Genetics, Case Western Reserve University, Cleveland, Ohio, USA	1993-1995
PhD	Cellular and Molecular Biology, Oswaldo Cruz Institute, Rio de Janeiro, Brazil. Thesis title: Determination of the occurrence of sibling species in <i>Anopheles darlingi</i> : morphological and biochemical studies for identification of their role in malaria transmission	1989-1993
MSc	Parasitology, Oswaldo Cruz Institute, Rio de Janeiro, Brazil. Thesis title: <i>Anopheles albitarsis</i> : a morphological, behavioural and isoenzymatic study from 10 populations	1983-1988
BSc	Pharmacy, Rio de Janeiro Federal University	1979-1982

## OTHER IMPORTANT CURRENT ACTIVITIES



Engaged on olive trees cultivation, olive oil production and making of olive-oil related products. Organically produced olive oil, soil biology and other environmental requirements for the growing of the different varieties of olive trees. Quality control and chemical analysis of the olive oil produced by the Freitas-Tsouris family.

## PERSONAL DATA

Date and Place of Birth: June 6th, 1961, Rio de Janeiro, Brazil

Marital status: Married, two children

## MEMBERSHIPS



Member of the Rio de Janeiro Pharmacy Council, Brazil 1983-present



Permanent Member of the Women's International Club of Athens, Greece 2003-present

## PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS



Associate Consultant, July 1999-present

The Freitas-Tsouris Consultants Company assists with projects in different fields-of-knowledge, mainly sustainable development, alternative energy, biofuels and spatial epidemiology, for submission by individuals, other companies, research institutions and governmental bodies of various countries. FT is able to focus in the core of different problems, the best way to tackle them and to fulfil specific requirements, always in line with clients' preferences.



Visiting Researcher, School of Medicine, Centre for Health and Biological Sciences, Roraima Federal University, 1996-2000



Founder and Coordinator of a Remote Located Entomology Laboratory in the Amazon linked to FIOCRUZ and the Roraima Federal University, 1996-2001

Coordinator for the Inter-institutional Agreement FIOCRUZ-Roraima Federal University, February 1996-2001



Senior Researcher, Department of Entomology, Instituto Oswaldo Cruz, 2001-present.

In leave of absence

Senior Researcher, Dept Biochemistry and Molecular Biology, Instituto Oswaldo Cruz, 1994-2001

Research Assistant, Dept Biochemistry and Molecular Biology, Instituto Oswaldo Cruz, 1990-1991

Research Auxiliary, Dept Biochemistry and Molecular Biology, Instituto Oswaldo Cruz, 1987-1989

Coordinator of the I Molecular Biology Course for Journalists, July 1992

Teacher for the Discipline "Mitochondrial DNA Use in Insect Taxonomy", Parasitology post-graduation course, 1996-2001

Teaching Assistant in Entomology in the Technical Course in Parasitology of the Instituto Oswaldo Cruz, 1986-1992

## SCHOLARSHIPS



CNPq-Brazilian Council for Scientific & Technological Development. Scholarship as Visiting Researcher, Roraima Federal University, October 1996-September 1999, ref. 300975/ 96-1

CNPq. Postdoctoral scholarship for 2 years at Case Western Reserve University, Cleveland, Ohio, USA, March 1993 to March 1995, ref. 260050/ 93.82/ NV



WHO-World Health Organization, Research Training fellowship for 3 months at the USDA, Gainesville, Florida, USA, November to January, 1992

CNPq-Brazilian Council for Scientific & Technological Development. Ph.D. sandwich scholarship for 7 months at University of Salford/ Liverpool School of Tropical Medicine, August 20th to March 31st, ref. 202113/ 89.2/ BF, 1990-1991



British Council for performing cuticular hydrocarbon analysis on *Anopheles darlingi*, *albitarsis* and *deaneorum* as part of a Bilateral Cooperation Project CNPq/ British Council, August 05th to November 30th, University of Salford, U.K., ref. BRA/ 2281/ 184/ 1, 1989

British Council for the course: Cuticular Hydrocarbon Analysis on Diptera of Medical Importance and its Application on Taxonomy, September 23rd to October 30th, University of Salford, United Kingdom, ref. BRA/ 2501/ 88 (15), 1988

CNPq, M. Sc. scholarship, Depts. of Entomology and Dept Biochemistry and Molecular Biology, Oswaldo Cruz Institute, 1983-1986



Rio de Janeiro Federal University/ CEPG, undergraduate scholarship for laboratory assistance in Parasitology, 1982

## PUBLICATIONS

### In press

1. ROSA-FREITAS MG, TSOURIS P, LUITGARDS-MOURA JF, PETERSON AT, HONÓRIO NA 2007. *Ecoregiões de Roraima. A importância da paisagem na epidemiologia da malária. In: Barbosa RI., Ferreira EJG, Castellón EG (eds). Homem, Ambiente e Ecologia no Estado de Roraima, INPA, Manaus, 2a edição*

### Printed

2. ROSA-FREITAS MG, TSOURIS P, PETERSON AT, HONÓRIO NA, BARROS FSM, AGUIAR DB, GURGEL HC, ARRUDA ME, VASCONCELOS SD, LUITGARDS-MOURA JF 2007. An ecoregional classification for the state of Roraima, Brazil. The importance of landscape in malaria biology. *Mem Inst Oswaldo Cruz* 102: 349-357
3. BARROS FSM, AGUIAR DB, ROSA-FREITAS MG, LUITGARDS-MOURA JF, GURGEL HC, HONÓRIO NA, ARRUDA ME, TSOURIS P, VASCONCELOS SD 2007. Distribution summaries of malaria vectors in the Northern Brazilian Amazon. *Journal of Vector Ecology* 32 (2): 161-167
4. HONÓRIO NA, BARROS FSM, TSOURIS P, ROSA-FREITAS MG 2007. *Toxorhynchites guadeloupensis* (Dyar & Knab) (Diptera: Culicidae) in *Aedes aegypti* (Linnaeus) (Diptera: Culicidae) Oviposition Traps. *Neotropical Entomology* 36(5):809-811
5. NAGM L, LUITGARDS-MOURA JF, NEUCAMP CS, BARROS FSM, HONÓRIO NA, TSOURIS P, ROSA-FREITAS MG 2007. Affinity and Diversity Indices for Anopheline Immature Forms. *Rev Inst Med Tropical São Paulo* 49(5): 309-316
6. ROSA-FREITAS MG, SCHREIBER K, TSOURIS PA, WEIMMAN ETS, LUITGARDS-MOURA JF 2006. Identification of Significant Associations Between Combinations of Weather Factors and Dengue in Boa Vista, Roraima, Brazilian Amazon. *Rev Panam Salud Publica* 20 (4): 256-267
7. BARROS FSM, ARRUDA ME, VASCONCELOS SD, LUITGARDS-MOURA JF, CONFALONIERI U, ROSA-FREITAS MG, TSOURIS P, LIMA-CAMARA T, HONÓRIO NA 2007. Parity and age composition for *Anopheles darlingi* Root (Diptera: Culicidae) and *Anopheles albitarsis* Lynch-Arribáizaga (Diptera: Culicidae) of the northern Amazon Basin, Brazil. *Journal of Vector Ecology* 32 (1): 54-68. 2007
8. CHARLY FAVIER, NICOLAS DEGALLIER, MARIA GORETI ROSA-FREITAS, JP BOULANGER, JOSE RUBENS COSTA LIMA, JOSÉ FRANCISCO LUITGARDS -MOURA, CE MENKES, BERNARD MONDET, CRISTIANE OLIVEIRA, ELLEM TATIANI DE SOUZA WEIMANN, PANTELIS TSOURIS. 2006. Early determination of the reproductive number for vector-borne diseases: the case of dengue in Brazil. *Tropical Medicine and International Health* 11(4): 343-351.
9. LUITGARDS-MOURA JF, VARGAS AB, ALMEIDA CE, AGAPITO-SOUZA R, FOLLY-RAMOS E, COSTA J, TSOURIS P & ROSA-FREITAS MG. A *Triatoma maculata* (Hemiptera-Reduviidae-Triatominae) population from Roraima, Amazon region, Brazil, has bionomic characteristics of a potential Chagas disease vector. *Rev Inst Med Trop Sao Paulo*, 47(3):131-137, 2005.
10. LUITGARDS-MOURA JF, BORGES-PEREIRA J, COSTA J, ZAUZA PL, ROSA-FREITAS MG 2004. On the Possibility of Autochthonous Chagas Disease in Roraima, Amazon Region, Brazil, 2000-2001. 2005 *Rev Inst Med Trop Sao Paulo* 47: 45-54. doi: 10.1590/S0036-46652005000100008
11. ROSA-FREITAS MG, TSOURIS PA, SIBAJEV A, WEIMMAN ETS, MARQUES AU, FERREIRA RL, LUITGARDS-MOURA JF 2003. Exploratory Temporal and Spatial Distribution of Dengue Notifications in Boa Vista, Roraima, Brazil, 1999 to 2001. *Dengue Bulletin* 27: 63-80.
12. SILVA-VASCONCELOS AS, KATO MYN, MOURAO EN, SOUZA RTL, LACERDA RNL, SIBAJEV A, TSOURIS PA, POVOA MM, MOMEN H, ROSA-FREITAS MG 2002. Biting Indices, Host-Seeking Activity and Natural Infection of Anopheline Species in Boa

- Vista, Roraima, Brazil from 1996 to 1998. Memórias do Instituto Oswaldo Cruz, Rio de Janeiro, 97: 151-161.
13. LUITGARDS-MOURA JF, CASTELLON-BERMUDEZ EG, IMBIRIBA-DA-ROCHA AF, TSOURIS PA, ROSA-FREITAS MG 2002. Preliminary Assays Indicate that *Antonia ovata* (Loganiaceae) and *Derris amazonica* (Papilionaceae), Ichthyotoxic Plants Used for Fishing in Roraima, Brazil, Have an Insecticide Effect on *Lutzomyia longipalpis* (Diptera: Psychodidae). Mem. Inst. Oswaldo Cruz, Rio de Janeiro, 97: 737-742
  14. LUITGARDS-MOURA JF, BERMUDEZ EGC, ROSA-FREITAS MG. 2000. Aspects related to productivity for four generations of *Lutzomyia longipalpis* laboratory colony. Mem. Inst. Oswaldo Cruz 95: 251-257.
  15. AZEVEDO ACR, MONTEIRO FA, CABELLO PH, SOUZA NA, ROSA-FREITAS, MG, RANGEL EF. 2000. Studies on Populations of *Lutzomyia longipalpis* in Brazil. Mem. Inst. Oswaldo Cruz. 95 (3): 305-322.
  16. CONN JE, ROSA-FREITAS MG, LUZ SLB, MOMEN H. 1999. Molecular population genetics of the primary neotropical malaria vector *Anopheles darlingi* using mtDNA. J Amer Mosq Control Assoc 15(4): 468-474. SEND E-MAIL TO REQUEST PDF FILE
  17. VALLE D, MONNERAT AT, SOARES MJ, ROSA-FREITAS MG, PELAJO-MACHADO M, VALE BS, LENZI HL, GALLER R, LIMA JBP. 1999. Mosquito embryos and eggs: polarity and terminology of chorionic layers. J. Insect Physiol. 45: 701-708.
  18. MONNERAT AT, SOARES MJ, LIMA JBP, ROSA-FREITAS MG, VALLE D. 1999. *Anopheles albitarsis* eggs: ultrastructural analysis of chorion layers after permeabilization. J. Insect Physiol. 45: 915-922.
  19. ROSA-FREITAS MG, LOURENÇO-DE-OLIVEIRA R, CARVALHO-PINTO CJ, FLORES-MENDOZA C, SILVA-DO-NASCIMENTO TF. 1998. Anopheline species complexes in Brazil. Current knowledge of those related to malaria transmission. Mem. Inst. Oswaldo Cruz. 93 (5): 651-655.
  20. COSTA J, BARTH OM, MARCHON-SILVA V, ALMEIDA CE, ROSA-FREITAS, MG, PANZERA F. 1997. Morphological studies on the *Triatoma brasiliensis* genital structures and eggs of different chromatic forms. Mem. Inst. Oswaldo Cruz. 92 (4): 493-498.
  21. COSTA J, ROSA-FREITAS MG, MARCHON-SILVA V, PIRES MQ, PACHECO RS. 1997. Isoenzymes detect variation in populations of *Triatoma brasiliensis*. Mem. Inst. Oswaldo Cruz. 92 (4): 459-464.
  22. ROSA-FREITAS, MG, CONN J, MITCHELL S, COCKBURN AF, SEAWRIGHT, JA & MOMEN H. 1995. Mitochondrial DNA and morphological analyses of *Anopheles darlingi* populations from Brazil. Mosq. Syst. 27: 79-85 SEND E-MAIL TO REQUEST PDF FILE
  23. ROSA-FREITAS MG, BROOMFIELD G, PRIESTMANN A, MILLIGAN P, MOMEN H & MOLYNEUX DH. 1992. Studies on cuticular components, isoenzymes and behavior of 3 populations of *Anopheles darlingi* from Brazil. J. Amer. Mosq. Control Assoc., 8(4): 357-366
  24. ROSA-FREITAS MG, DEANE L & MOMEN H. 1990. A morphological, behavioral and isoenzymatic study in *Anopheles albitarsis* from 10 populations. Mem Inst Oswaldo Cruz, 85(3): 275-289.
  25. ROSA-FREITAS MG. 1989. *Anopheles deaneorum* a new species in the *albitarsis* complex. Mem.Inst. Oswaldo Cruz, 84 (4): 535 - 543.
  26. ROSA-FREITAS MG & DEANE LM. 1989. The neotype of *Anopheles albitarsis*. Mem. Inst. Oswaldo Cruz, 84 (3): 289 - 302.
  27. ROSA-FREITAS MG, DEANE LM, MOMEN H & SOUZA PS. 1987. Distinctive larvae of *Anopheles albitarsis*? Mem.Inst. Oswaldo Cruz, 82 (1): 141-142.

### Abstracts

SILVA-VASCONCELOS A & ROSA-FREITAS MG. Entomological factors in the malaria transmission dynamics in Roraima, Brazil, II International Congress of Vector Ecology, Orlando, Florida, USA, October 19-24th, 1997.

COSTA JM, PACHECO RS & ROSA-FREITAS MG. [Isoenzymatic studies detect intraspecific variation in *Triatoma brasiliensis*]. In Portuguese. XXXII Brazilian Congress on Tropical Medicine, Salvador, Bahia, Brazil, March 3-7th, 1996.

ROSA-FREITAS MG, CONN J, MITCHELL S, COCKBURN A, SEAWRIGHT J & MOMEN H. Systematics of *Anopheles darlingi* populations in Brazil using morphology and mitochondrial DNA. Mosquito Systematics Symposium, American Mosquito Control Association, San Diego, California, USA, April 10-14th, 1994.

MOMEN H, SALLES CA, ZAHNER V, CUPOLILLO E & ROSA-FREITAS MG. Biochemical taxonomy using isoenzyme characters. XIV Annual Meeting on evolution, systematics and micromolecular evolution, Brazil, April 13-15th, 1992.

ROSA-FREITAS MG, BROOMFIELD G, PHILLIPS A, MILLIGAN P, MOMEN H & MOLYNEUX DH. Cuticular hydrocarbon analysis on 3 populations of *Anopheles (Nyssorhynchus) darlingi*, a major malaria vector in Brazil. Proceedings of the VII International Congress in Parasitology, Paris, France, August 20-24th, 1990.

ROSA-FREITAS MG, DEANE LM & MOMEN H. *Anopheles albitarsis* in Brazil: A multilocus enzyme and morphological study. Abstracts of the International Congress for Tropical Medicine and Malaria, Amsterdam, the Netherlands, September 18-23rd, 1988.

ROSA-FREITAS MG, DEANE LM & MOMEN H. A multilocus enzyme and morphological study of *Anopheles albitarsis*. Abstracts of the International Symposium on Insect Physiology, Biochemistry and Control, Rio de Janeiro, Brazil, November 10-13th, 1987.

## SCIENTIFIC GRANTS

Project team leader for the following

CNPq-Brazilian Council for Scientific & Technological Development. 1999 "Entomology Field Laboratory in Boa Vista, Roraima, Brazilian Amazon", grant # 521176-98.0

CNPq-Brazilian Council for Scientific & Technological Development. 1997 "Entomological risk factors in the malaria transmission dynamics in Boa Vista, Roraima, Brazilian Amazon", grant # 400.572-97.4

PAHO-Pan American Health Organization. 1996-1997. "Entomological risk factors in the malaria transmission dynamics in Boa Vista, Roraima, Brazilian Amazon". BRA 96/ 00173-8

FAPERJ-Rio de Janeiro Scientific Research Support Foundation. 1989-1990. "Determination of the occurrence of cryptic species in *Anopheles darlingi* and *Anopheles albitarsis* and its relation in the malaria transmission", E-29/ 170.198/ 89

CNPq-Brazilian Council for Scientific & Technological Development. 1988-1990. "Biochemical and morphological comparative studies in *Anopheles darlingi* and *Anopheles albitarsis* for cryptic species determination", grant # 40.5637-88.8  
Bilateral Cooperation Project CNPq/ British Council. 1988-1989. "Utilization of biochemical tools in the identification of complex of cryptic species in *Anopheles darlingi* and *Anopheles albitarsis*", # 91.0188-88.2

FAPERJ. 1988. "Preliminary analyses of lectin differential binding to salivary glands of several Triatominae species - a Training Course by Prof. David Hurst Molyneux, Salford University, U.K. at Dept Biochemistry and Molecular Biology, Oswaldo Cruz Institute". November 1988 with support of the British Council grant # E-29/ 170.383/ 88

WHO/ UNDP/ World Bank/ Special Programme for Research and Training in Tropical Diseases. 1986-1988. "*Anopheles albitarsis* in Brazil: a morphological and behavioral study on different populations and impact in malaria transmission", TDR-T16/ 181/ M2/ A/ 72(A) ID# 860075

FAPERJ. 1988. Support for attending the "XIV International Congress for Tropical Medicine and Malaria", September 18-23rd, Amsterdam, Netherlands, grant# E-29/ 170.088/ 88

CNPq-PIDE VI.1985-1986. "Morphological and biochemical comparison of *Anopheles albitarsis* from the type-locality, Argentina, to populations from Brazil", grant #40.0816/ 85

## PROFESSIONAL SERVICES

### **Referee** for the Scientific Periodicals:

Acta Tropica, 2006-present  
Neotropical Entomology, 2006-present  
Acta Amazonica, 2005-present  
Infection, Genetics and Evolution, 2002-present  
World Health Organization Bulletin, 2001-present  
Memórias do Instituto Oswaldo Cruz, 1993-present

**Member** of the International Advisory Board of the Memórias do Instituto Oswaldo Cruz, 1997-present

**Referee** ad hoc for the Brazilian Ministry of Health- Secretaria de Ciência, Tecnologia e Insumos Estratégicos – SCTIE, DECIT, Coordenação Geral de Desenvolvimento Institucional, 2004-present

**Referee** ad hoc for the Brazilian Council for Scientific & Technological Development, 1993-present

**Advisor** for the Parasitology Post-graduate Courses of the Oswaldo Cruz Foundation, 1995-present

### **Ph.D. thesis advisor for**

-José Francisco Luitgards-Moura (Jane Costa was the co-advisor), Parasitology Course, Oswaldo Cruz Foundation, funded by a CNPq Scholarship, Defended August 2001. Thesis title: [Epidemiological Aspects of Chagas Disease in Agricultural Settlements in Roraima, Brazilian Amazon]. In Portuguese  SEND E-MAIL TO REQUEST HARD COPY OR PDF FILE  
-Adenildo da Silva Vasconcelos, Parasitology Course, Oswaldo Cruz Foundation, funded by a CNPq-DCR (Scientific Regional Development) Scholarship, Defended December 1999. Thesis title: [Entomological risk factors in the malaria transmission dynamics in Boa Vista, Roraima, Brazilian Amazon]. In Portuguese.  SEND E-MAIL TO REQUEST PDF FILE

### **Co-Advisor for the**

-M.Sc. thesis of Alfredo Carlos Rodrigues de Azevedo, Parasitology Course, Oswaldo Cruz Foundation, Rio de Janeiro, Defended May 1998. Thesis title: [Comparative Studies in Populations of Lutzomyia longipalpis Lutz & Neiva, 1912 (Diptera, Psychodidae, Phlebotominae) from Different Brazilian]. In Portuguese  SEND E-MAIL TO REQUEST HARD COPY OR PDF FILE  
-Ph.D. thesis of Jane Margareth Costa, Parasitology Course, Oswaldo Cruz Foundation, Rio de Janeiro, Defended November 1997. Thesis title: [Triatoma brasiliensis Neiva, 1911 (Hemiptera, Reduviidae, Triatominae): Morphological, Biological and Isoenzymatic Studies of Different Color Patterns]. In Portuguese.  SEND E-MAIL TO REQUEST PDF FILE

### **Committee member referee**

-Ph.D. public exam of Silvia Maria Mendes Ahid, Parasitology Course, Oswaldo Cruz Foundation, Rio de Janeiro, September 13th, 1999. Thesis title: [Dirofilaria immitis transmission in the São Luís island, Maranhão]. In Portuguese  
-M.Sc. public exam of José Bento Pereira Lima, Parasitology Course, Oswaldo Cruz Foundation, Rio de Janeiro, May 28th, 1999. Thesis title: [A technique for the simultaneous detection in mosquitoes of circumsporozoite protein of Plasmodium falciparum and Plasmodium vivax]. In Portuguese  
-M.Sc. public exam of Adenildo da Silva Vasconcelos, Veterinary Parasitology Course, Rural Federal Rio de Janeiro University, Rio de Janeiro, February 29th, 1996. Thesis title: [Longitudinal study of the mosquito fauna (Diptera: Culicidae) of the Niterói municipality shore]. In Portuguese  
-Anatomy Chair public exam for the Roraima Federal University-UFRR Medical School, Boa Vista, Roraima, November 27- 28th, 1996

**Chairperson referee**

-M.Sc. public exam of Maria Lúcia Carneiro Serrão, Parasitology Course, Oswaldo Cruz Foundation, Rio de Janeiro, December 15th, 1998. Thesis title: [Susceptibility of *Dirofilaria immitis* larvae to ivermectin in the invertebrate host]. In Portuguese

-Ph.D. public exam of Norma Vollmer Labarthe, Parasitology Course, Oswaldo Cruz Foundation, Rio de Janeiro, March 27th, 1998. Thesis title: [Epidemiology of dog dirofilarioses in the Rio de Janeiro coast]. In Portuguese

-M.Sc. public exam of Andréa Louzada Azevedo, Parasitology Course, Oswaldo Cruz Foundation, Rio de Janeiro, December 19th, 1997. Thesis title: [*Anopheles cruzii* Dyar & Knab in Mountain Valleys of the Atlantic Forest System]. In Portuguese

-Ph.D. public exam of Cícero Brasileiro de Mello Neto, Cellular and Molecular Biology Course, Oswaldo Cruz Foundation, Rio de Janeiro, October 25th, 1995. Thesis title: [Molecular aspects in the interaction *Trypanosoma cruzi* -*Trypanosoma rangeli* and *Rhodnius prolixus*]. In Portuguese

**Round-table coordinator**

-“Anopheline morphology and the assignment of new species”, V Brazilian Meeting for Malaria Researchers and I Brasil-Colombia Symposium on Malaria, Belém, Pará, Brazil, November, 6-9th, 1996

**Invited speaker**

-“Cuticular components, isoenzymes and behavior of 3 Brazilian populations of *Anopheles darlingi*”. American Mosquito Control Association, 57th Annual Meeting, New Orleans, Louisiana, March 1991

-“Studies on cryptic species of *Anopheles darlingi* and *Anopheles albitarsis* in Brazil. Dept Entomology & Nematology, University of Florida sponsored by U.S. Department of Agriculture, USA, March 1991

-“Investigation of DNA restriction site polymorphisms in three Brazilian populations of *Anopheles darlingi*”. Vectors: Systematics, ecology & control round-table, IV International Congress on Malaria and Babesioses, Rio de Janeiro, Brazil, August 13-17th, 1991

## TECHNICAL CONSULTS

Besides a few confidential proposals for The Philippines and Korea, the following projects were granted under our advisory:

1. -SUS-Ministry of Health Brazil. 2004. A Geographical Information System for Dengue in Boa Vista Fully Available through the Internet as a Basis to an Epidemiological Vigilance Program. In Portuguese. José Francisco Luitgards Moura was the Coordinator. Granted.
2. -Brazilian Scientific Research Council-CNPq. 2003. EPI-GRASS A Geographical Information System Free Software for Use in Endemies. Granted. Claudia Codeço was the Principal Investigator
3. -Brazilian National Health Foundation-FUNASA. 2003. Distribution and Breeding Sites of *Aedes aegypti* in Boa Vista, Roraima Federal. In Portuguese. José Francisco Luitgards Moura was the Coordinator. Granted
4. **-Indonesian Government. Development in Remote Areas of Indonesia– A Case Study. 2002. Pantelis Tsouris was the Coordinator. Granted.**
5. -Brazilian Scientific Research Council. Alternative Sources of Energy for the Roraima Federal University. 2001. In Portuguese. [Fontes Alternativas de Energia para o Campus de Paricarana da Universidade Federal de Roraima]. Pantelis Tsouris is the Coordinator. To be resubmitted.
6. -Brazilian Scientific Research Council. Geographical Information Systems in the Study of Endemic Diseases in Roraima, Amazon, Brazil. 1999. In Portuguese. As Coordinator. [SIG e endemias em Roraima]. Granted.
7. -Brazilian Ministry of Education. Infrastructure Resources for the UFRR. 1997. In Portuguese. [Programa de Modernização da infra-estrutura e consolidação acadêmica do Ministério da Educação]. Fernando Antonio Menezes da Silva, ex-Chancellor of the UFRR was the Coordinator. Granted.
8. -Brazilian Ministry of Education. Distance Learning in the Medicine Program of the Roraima Federal University. 1997. In Portuguese. [Programa de Aprendizagem à Distância para o Curso de Medicina da UFRR]. Fernando Antonio Menezes da Silva, ex-Chancellor of the UFRR was the Coordinator. Granted.
9. -Brazilian Scientific Research Council. Implementation of undergraduate scholarships for the UFRR, 1997. In Portuguese. [Programa Institucional de bolsas de estudo de iniciação científica]. Fernando Antonio Menezes da Silva, ex-Chancellor of the UFRR was the Coordinator. Granted.
10. -Brazilian National Health Foundation. Creation of a Multi-Study Research Center in Boa Vista, Roraima, 1997. In Portuguese. [Projeto de criação de um centro integrado em doenças tropicais para apoio à pesquisa, diagnóstico e ações de saúde no estado de Roraima]. Fernando Antonio Menezes da Silva, Chancellor of the UFRR was the Coordinator. To be implemented.
11. -III Laveran-Grassi Seminar on Malaria Therapeutics, Itacuruçá Island, Rio de Janeiro, June 1-5th, 1997
12. -"Technical Consultation on Research in Support of Malaria Control in the Amazon Basin". UNDP/ World Bank/ WHO. Brasilia, Brazil, April 28-30th, 1988

## INTERESTS

Classical Music, Arts, Handcrafting