Curriculum Vitae

Luis Fernandez Lopez, Ph.D.

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Key Professional Experience

2006 on:	Associate Faculty - CIARA (Center for Internet Augmented Research and Assessment) of the Florida International University. Miami, FL, USA.
2003 on:	Chief Scientist of NARA (Núcleo de Aplicações em Redes Avançadas), the Center for Advanced Networking Applications at FMUSP. São Paulo, SP, Brazil.
1997 on:	Assistant Professor - Discipline of Medical Informatics at FMUSP (Medical School of the University of São Paulo). São Paulo, SP, Brazil.
1982-1987:	International League of Red Cross and Red Crescent Societies. Geneva, Switzerland.
1977 - 1982:	Journalist - Agence France-Presse. São Paulo, SP, Brazil.

Education

1997: Ph.D. in Mathematical Epidemiology - Institute of Physics of the University of São Paulo.

1992: M.S. in Statistical Physics - Institute of Physics of the University of São Paulo.

1989: B.S. in Physics - Institute of Physics of the University of São Paulo.

Autodidactic journalist.

Some synergistic activities

2011-on:	Principal Investigator of the Brazilian side of the project AmLight (America's Lightpaths), co-financed by FAPESP and NSF (US National Science Foundation).
2011-on:	Member of the Ethics Committee of the FMUSP (Faculdade de Medicina da Universidade de São Paulo) - the Medical School of the University of São Paulo.
2006-2010:	Member of the Board of NAIPPE/USP (Núcleo de Análise Interdisciplinar de Políticas Públicas e Estratégia da Universidade de São Paulo), Center for Interdisciplinary Analysis of Public Policies and Strategy of the University of São Paulo. Appointed Secretary to the board for a four years period.
2005-on:	Member of the Science and Technology Board of the Instituto de Pesquisas Eldorado (Eldorado Research Institute), in Campinas, SP). In March, 2007, appointed President of the Board for a two years period (renewed four times).

2005-on: Co-Principal Investigator of the Project Caminho de Volta: A Brazilian DNA program for missing kids.

2004-2010: Principal Investigator of the Brazilian side of the project WHREN (Western Hemisphere Research and Education Network), co-financed by FAPESP and NSF (US National Science Foundation).

2003-on: Principal Investigator of the project ANSP - an Academic Network at São Paulo (financed by FAPESP).

2001-2007: Program Manager of FAPESP (the State of São Paulo Science Foundation) "Information Technology Program".

1997-2000: Advisor to the Science Director of FAPESP (the State of São Paulo Science Foundation).

Publications

More than forty papers published in scientific journals and congresses. Five most cited:

1. Massad, E., Coutinho, F.A.B., Burattini, M.N., **Lopez, L.F.** (2001). The risk of yellow fever in a dengue infested area. *Transactions of the royal society of tropical Medicine and Hygiene*, **95**(3)**:** 370-374**.**
2. Coutinho, F. A. B., Burattini, M. N., **Lopez, L.F.**, Massad, E. (2006) Threshold Conditions of a Non-Autonomous Epidemic System Describing the Population Dynamics of Dengue. *Bulletin of Mathematical Biology*, **68**, 2263-2282.
3. Burattini, M.N., Chen, M., Chow, A., Coutinho, F. A. B., Goh, K.T., **Lopez, L. F.**, Massad, E. (2008). Modelling the control strategies against dengue in Singapore. *Epidemiology and Infection*, **136**, 309-319.
4. Massad, E., Burattini, M. N., Coutinho, F. A. B., **Lopez, L. F.** (2003). Dengue and the risk of urban yellow fever reintroduction in São Paulo State, Brazil. *Revista de Saude Publica,* **37**(4):477-484.
5. **Lopez, L. F.**, Coutinho, F. A. B., Burattini, M. N., Massad, E. (2002). Threshold conditions for persistence in complex host-vectors interactions. *Comptes Rendus Biologies*, **325**:1073-1084.

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