

<p><b>Name:</b> Haralabia Boleti  <b>Nationality:</b> Greek</p>	
<p><b>Work address:</b> Dep. of Microbiology and light Microscopy unit Hellenic Pasteur Institute (HPI)  127, Vas. Sofias Ave., 11521 Athens, Greece</p> <p><b>Work tel:</b> 0030 210 64.78.879  <b>Work fax:</b> 0030 210 64.26.323  <b>e-mail:</b> <a href="mailto:hboleti@pasteur.gr">hboleti@pasteur.gr</a> e-mail: <a href="mailto:hboleti@otenet.gr">hboleti@otenet.gr</a></p>	

Scientific Education

- **B.Sc. in Chemistry** National University of Athens, Athens, Greece **1985**
- **M.Sc. in Biochemistry** University of Alberta, Edmonton, Canada **1990**
- **Ph.D. in Molecular Cell Biology** European Molecular Biology Laboratory (EMBL), University of Heidelberg, Heidelberg, Germany **1995**

Languages:

- *Greek (mother tongue)*
- *English (fluent)*
- *French (very good)*
- *German (basic)*

Career Focus

My main interest lies in the research of pathogenesis of infectious diseases and in particular in the study of pathogen-host cell interactions using molecular cellular biology and modern light microscopy imaging techniques. I am keen in exploring the translational aspect of this field of research.

Professional Profile

- |                            |  |
|----------------------------|--|
| <b>May 2010-Current</b>    | <p><b>Researcher B</b> (tenure)<br/> <i>Head to the “Intracellular Parasitism group”<br/> Department of Microbiology<br/> Scientific co-responsible of the Light Microscopy Facility<br/> Hellenic Pasteur Institute, Athens, Greece</i></p> |
| <b>Jan 2002- May 2010</b>  | <p><b>Researcher C</b> (tenured track)<br/> <i>Department of Microbiology<br/> Scientific co-responsible of the Light Microscopy Facility<br/> Hellenic Pasteur Institute, Athens, Greece</i></p>  |
| <b>Jan 2000 -Dec 2001</b>  | <p><b>Associate Scientist</b><br/> <i>Hellenic Pasteur Institute, Athens, Greece</i></p>   |
| <b>Oct 1996 - Dec 1999</b> | <p><b>EMBO and ARC Post-Doctoral Fellow</b><br/> <i>Pasteur Institute, Paris, France</i></p>   |
| <b>Jun 1996 - Sep 1996</b> | <p><b>Visiting Post-Doctoral Fellow</b><br/> <i>Dep. of Biochemistry, U. of Alberta, Edmonton, Canada</i></p>  |

Jul 1995 - Feb 1996	<b>Post-doctoral Fellow</b> <i>EMBL, Heidelberg, Germany</i>
Jan 1991 – Jul 1995	<b>Pre-doctoral Fellow</b> <i>EMBL, Heidelberg, Germany</i>
Jan 1987 - Dec 1990	<b>Graduate Teaching and Research Assistant</b> <i>Dep. of Biochemistry, U. of Alberta, Edmonton, Canada.</i>
Sept 1986 - Dec 1986	<b>Graduate Teaching Assistant</b> <i>Dep. of Chemistry, U. of Alberta, Edmonton, Canada</i>

### Research Publications

#### Peer-reviewed

(Sum of citations 802, h index 12) (Scopus)(<https://www.mendeley.com/impact/haralabia-boleti/>)

1. Chavdoula E., Habel D.M., Roupakia E., Markopoulos G.S., Vasilaki E., Kokkalis A., Polyzos A.P, **Boleti H.**, Thanos D., Klinakis A., Kolettas E., Marcu K.B. (2019). CHUK/IKKalpha loss in lung epithelial cells enhances NSCLC growth associated with HIF up-regulation. *Life Science Alliance*, 2(6). <http://doi.org/10.26508/lsa.201900460>
2. Papadaki A. and **Boleti H.** (2019). Measurement of Acid Ecto-phosphatase Activity in Live *Leishmania donovani* Parasites. *BioProtocols (A peer-reviewed protocol journal)* following journals' invitation <https://bio-protocol.org/e3384>
3. Frakolaki E, Kalliampakou KI, Kaimou P, Moraiti M, Kolaitis N, **Boleti H.** Koskinas J, Vassilacopoulou D, Vassilaki N. (2019). Emerging Role of L-Dopa Decarboxylase in *Flaviviridae* Virus Infections. *Cells* 8(8). pii: E837. doi: 10.3390/cells8080837.PMID:31387309 <https://www.mdpi.com/2073-4409/8/8/837>
4. Doukas A, Karena E, Botou M, Papakostas K, Papadaki A, Tziouvara O, Xingi E, Frillingos S, **Boleti H.** (2019). Heterologous expression of the mammalian sodium-nucleobase transporter rSNBT1 in *Leishmania tarentolae*. *Biochim Biophys Acta Biomembr.*1861(9):1546-1557. doi:10.1016/j.bbmem.2019.07.001. Epub 2019 Jul 5. PMID:31283918 <https://www.sciencedirect.com/science/article/pii/S0005273619301452?via%3Dihub>
5. Braliou GG, Kontou PI, **Boleti H.** Bagos PG. (2019). Susceptibility to leishmaniasis is affected by host SLC11A1 gene polymorphisms: a systematic review and meta-analysis. *Parasitol Res.* 118(8):2329-2342. doi: 10.1007/s00436-019-06374-y. Epub 2019 Jun 23. Review. PMID:31230160 <https://link.springer.com/article/10.1007%2Fs00436-019-06374-y>
6. Vakrakou AG, Boiu S, Ziakas PD, Xingi E, **Boleti H.** Manoussakis MN.(2018). Systemic activation of NLRP3 inflammasome in patients with severe primary Sjögren's syndrome fueled by inflammagenic DNA accumulations. *J Autoimmun.* 91:23-33
7. Papadaki A, Politou AS, Smirlis D, Kotini MP, Kourou K, Papamarcaki T, **Boleti H.** (2015). The *Leishmania donovani* histidine acid ecto-phosphatase LdMACP: insight into its structure and function. *Biochem J.* 467(3):473-86.
8. Kostomoiri M, Zikos C, Benaki D, Triantis C, Sagnou M, Paravatou-Petsotas M, Papadaki A, **Boleti H.** Papadopoulos M, Pirmettis I, Pelecanou M, Livaniou E. (2015). New labeled derivatives of the neuroprotective peptide colivelin: synthesis, characterization, and first in vitro and in vivo applications. *Arch Biochem Biophys.* 567:83-93.
9. Athanopoulos A, **Boleti H.** Scazzocchio C, Sophianopoulou V. (2013). Eisosome distribution and localization in the meiotic progeny of *Aspergillus nidulans*. *Fungal Genet Biol.* 53:84-96.
10. Kalliampakou K. Kouri E., **Boleti H.**, Pavli O., Maurousset L., Udvardi M., Katinakis P., Rémi Lemoine, and Flemetakis E. (2011). Cloning and functional characterization of *Lj*PLT4, a plasma membrane xylitol H<sup>+</sup>-symporter from *Lotus japonicus*. *Mol. Memb. Biol.* 28(1):1-13
11. **Boleti H.**, Smirlis D., Dalagiorgou G., Meurs E., Christoforidis S., & Mavromara.P. (2010). ER targeting and retention of the HCV NS4B protein relies on the concerted action of multiple structural features including its transmembrane domains. *Mol. Memb. Biol.* 27(1):50-74
12. Smirlis D, **Boleti H.** Gaitanou M, Soto M, Soteriadou K. (2009). *Leishmania donovani* RAN-GTPase interacts at the nuclear rim with linker histone H1. *Biochem J.* 10;424(3):367-74.

13. Saridaki A, Sapountzis P, Siozios S, Ioannidis, **Boleti, H.**, Bourtzis K. (2008). Wolbachia ankyrins and their potential role on Drosophila-Wolbachia symbiosis. *FEBS J.* 275: 266-266 Supplement: Suppl. 1
14. Karanasios E, **Boleti H.**, Simos G. (2008). Incorporation of the Arc1p tRNA-binding domain to the catalytic core of MetRS can functionally replace the yeast Arc1p-MetRS complex. *J Mol Biol.* 381(3):763-71.
15. Vassilaki N, **Boleti H.**, Mavromara P.(2008).Expression studies of the HCV-1a core+1 open reading frame in mammalian cells. *Virus Res.* 133(2):123-35.
16. Vassilaki N, **Boleti H.** and Mavromara P. (2007). Expression studies of the core+1 protein of the hepatitis C virus 1a in mammalian cells: the influence of the core protein and proteasomes on the intracellular levels of core+1. *FEBS J.* 274(16):4057-74
17. Ibrahim-Granet, O., Philippe,B., **Boleti, H.**, Boisvieux-Ulrich, E., Prévost, MC., Grenet, D., Stern, M., and JP Latgé. (2003). Phagocytosis and intracellular fate of *Aspergillus fumigatus* conidia in alveolar macrophages. *Infection and Immunity*, 71(2):891-903
18. **Boleti, H.**, Karsenti, E. Vernos, I. (2001). The use of dominant negative mutants to study the function of mitotic motors in the in vitro spindle assembly assay in Xenopus egg extracts. *Methods in Molecular Biology*, 164, 173-89
19. **Boleti, H.**, Ojcius, D. and Dautry-Varsat, A. (2000). Fluorescent labelling of intra-cellular bacteria in living host cells. *J. Microbiological Methods*, 1;40 (3): 265-274
20. Poupel, O., **Boleti H.**, Axisa, S., and Tardieux, I. (2000). Toxifilin, a novel actin binding protein from *Toxoplasma gondii*, sequesters actin monomers and caps actin filaments. *J. Mol. Biol. of the Cell*, 11(1): 355-68
21. **Boleti, H.**, Benmerah, A., Ojcius, D., Cerf-Bensussan,N., Dautry-Varsat, A. (1999). Chlamydia infection of epithelial cells expressing dynamin and Eps15 mutants:clathrin-independent entry into cells and dynamin-dependent productive growth. *J. of Cell Science*, 112:1487-1496
22. Wittmann T., **Boleti H.**, Antony C., Karsenti E, and Vernos I. (1998). A leucine zipper targets Xklp2 to a dynein/dynactin containing complex that accumulates at microtubule minus ends during mitosis. *J. Cell Biol.* 143 (3), 673-685
23. **Boleti H.**, Karsenti E., Vernos I. (1996). Xklp2, a new Xenopus centrosomal Kinesin Like Protein Required for centrosome separation during mitosis. *Cell*, 84: 49-59
24. Karsenti E., **Boleti H.**, Vernos, I. (1996). The role of microtubule dependent motors in centrosome movements and spindle pole organization during mitosis. *Seminars in Cell & Devel. Biol.*, 7, 367-378
25. **Boleti H.**, Coe, I., Baldwin S.A., Young J.D., Cass C.E. (1997). Molecular Identification of the equilibrative NBMMPR-sensitive(es) nucleoside transporter and demonstration of an equilibrative NBMMPR-insensitive (ei) transport activity in human erythroleukemia (K562) cells. *Neuropharmacology J.*, 36 (9), 1167-117
26. **Boleti, H.** & Cass. C.E. (1992). Nitrobenzylthioinosine-insensitive nucleoside transport processes of K562 cells. *Proc. Amer. Assoc. Cancer Res.*, 33:18
27. **Boleti H.**, Cass, CE. (1991). Nucleoside transport in K562 human erythroleukemia cells. *Int. J. Purine and Pyrimidine Res.*, 2:35

**Theses defended:**

1. **MSc thesis Title: Nucleoside Transport in K562 human leukemia cells.**  
05/06/1991, Department of Biochemistry, University of Alberta, Edmonton, Canada. Supervisor: Dr.C.Cass. Committee members: Drs J Wiener, M. Michalak, J. Young
2. **PhD thesis Title: Molecular and Functional Characterization of Xklp2: a Xenopus Microbutule motor from the Kinesis-Like Protein family.**  
05/07/1995, Naturwissenschaftlich-Mathematischen Gesamtfakultät der Ruprecht-Karls Universität, Heidelberg, Germany.  
Supervisors at EMBL: Drs E. Karsenti and I. Vernos. Committee members: Prof Drs K. Simons and F. Wieland

**Reviews-Electronic publications :**

1. **Boleti H.** & Robotis, J.F (2004). Viral Hepatitis . *xPharm 1.0*, edited by S.J. Enna dn David, B. Bylund, Published by, Inc. Elsevier. <http://www.sciencedirect.com/science/article/pii/B978008055232360875X>
2. **Boleti H.** (2004). Chlamydia Infections. *xPharm 1.0*, edited by S.J. Enna dn David, B. Bylund, Published by, Inc. Elsevier. <http://www.sciencedirect.com/science/article/pii/B9780080552323609286>

3. **Boleti, H.,** Thomaidou, D. (2004). Modern imaging techniques of multiple parameter light microscopy. *BIO*, 10: 58-59 (Greek journal for Biotechnology, the environment and the man).

#### Grants

*Throughout the years I was able to apply and successfully be granted the following fellowships and grants enabling me to support my scientific work:*

#### International programs

Programs in which I participated either as the coordinator or as a member of a team

#### As Scientific responsible

- **2000-2002:** International network of Pasteur Institutes mobility grant  
Budget covering salary and research costs: 73,367€
- **2013** **RIIP (Institut Pasteur International Network) Regional course:**  
Title: “Digital image processing/analysis tools in Light Microscopy: From the basics and beyond” (<http://pasteur.edu.gr/education-course/>)  
Coordinator/main organizer: H.Boleti, Budget for HPI : 45,000 €
- **2013-2015 :** **PLATON** Greek French R&T transnational cooperation/GSRT  
Title: **LeishPhosphoTox:** Molecular and functional characterization of specific **phosphatases from the anthroppozoontic** intracellular protozoan **parasites** *Leishmania donovani* and *Toxoplasma gondii* and investigation of their role in the parasite interaction with host cells; Exploration of their potential as drug targets.  
*Scientific responsible for the Greek team:* H.Boleti  
*Scientific responsible for the French team:* I.Tardieux  
Budget for ‘Intracellular parasitism team’: 30,000 €
- **2014-2016:** **IKYDA** (State Scholarship Foundation grant for Greek-German Colaboration)  
Title: **LeishPhospho:** Molecular characterization of specific phosphatases from the protozoan parasites *Leishmania donovani* and investigation of their potential as drug targets.  
*Scientific responsible for the Greek team:* H.Boleti  
*Scientific responsible for the German team:* M.Kohn  
Budget for ‘Intracellular parasitism team’: 10,000 €
- **2016** **RIIP (Institut Pasteur International Network) International course:**  
Title:“Cell Biology and infection: Digital Image Processing/Analysis Tools for Quantitative Light Microscopy Imaging”  
(<http://pasteur.edu.gr/riip-international-course-2016/>)  
Coordinator/main organizer- *H.Boleti*  
Budget for HPI: 28,000 €

#### As collaborator, member of the Scientific team

- **2003-2005 :** **ACIP** (Actions Concertées des Institus Pasteur)  
*Coordinators:* Dr H.Boleti-Dr P. Mavromara  
*Participating Instituts:* Hellenic Pasteur Institue, Institut Pasteur Paris, IP Vietnam, Cambodge, St. Petersbourg, Budget for HPI: 10,000 €
- **2003-2005:** **INSERM-FRANCE**  
Personal collaboration with Hepacivirus lab, Institut Pasteur Paris  
Budget for H.Boleti: 5000 €

- **2003-2006:** PTR (Program Transversaux-Institut Pasteur  
Participation as a member of the coordinating team  
Coordinator: P. Mavromara-Molecular Virology lab-Hellenic Pasteur Institute  
*Collaborating Institutes:* Hellenic Pasteur Institut, Insitut Pasteur of Paris and Pasteur  
Institutes of Cambodge, Vietnam, St. Petersburg, Cameroun, Roumania
- 2015-2017** **International Pasteur Network Program ACIP:** "Identification of broad-spectrum  
naturally derived inhibitors against hepatotropic viruses (DENV, YFV, HBV) under  
culture conditions simulating liver normoxic and metabolic microenvironment. The  
interplay between virus and hepatic normoxia as a possible disease determinant"  
*Scientific coordinator Dr Niki Vasilaki*  
*Collaborating Institut Pasteur (IP) partners:* C. Neuveut (IP Paris, Unité des Hépacivirus  
et Immunité Innée), M. Windisch (IP Korea, Applied Molecular Virology), Prof. P.  
Mavromara (HPI, Molecular Virology), **Dr H. Boleti** (HPI, Intracellular Parasitism and  
Light Microscopy Unit).  
*Other collaborators:* Prof. R. Bartschlager (Department of Infectious Diseases,  
Heidelberg, Germany), Prof. A. L. Skaltsounis (Professor and President of Faculty of  
Pharmacy, Athens, Greece), Prof. Zoidis (Faculty of Pharmacy, Athens, Greece)

#### **Greek government or HPI funded programs**

Programs in which I participated as the coordinator or as a collaborating scientists for the design and the realization of the projects

#### *As Scientific responsible*

- 2002-2004** Hellenic Pasteur Institute Research grant  
*Title:* Development of molecular and cellular tools for the study of the  
biochemical properties and the biological function of the NS4B non-  
structural protein of the Hepatitis C virus *Scientific Responsible :H. Boleti*  
Budget: 10,000 €
- 2004-2006** Competitive grant from the Greek General Secretariat of Research and  
Technology in the context of the European program "Human Networks for  
training in Research and Technology" –Establishment of the *Greek Light*  
*Microscopy Network Title:* "Applications of Light Microscopy in Biomedical research and  
Diagnosis" *In* collaboration with the U. of Ioannina & U. of Crete  
*Coordinator of the project and of the Network :* H. Boleti  
Budget for the entire network: 68,000 €
- 2008-2010** Hellenic Pasteur Institute Research grant  
*Title:* Phagocytosis of intracellular pathogens by neutrophils and  
macrophages. The role of apoptotic neutrophils in the establishment of  
infection. *Scientific Responsible:* H.Boleti , Budget : 8,000 €

#### *As collaborator, member of the Scientific team*

- 2006-2007** Grant from General Secretariat of Research and Technology in the context of the Program  
"OPEN DOORS" *Member of the Scientific team. Organization of courses for Secondary*  
*school education teachers*, Budget of this activity of the project : 8,000 €
- 2012-2015** **THALIS** grant. Ministry of Education Lifelong Learning and Religion  
EVOTRANS, Membrane transport: Structure-function and evolutionary relationships.  
WPI. Study of the NAT/NCS2 transporters expressed in different organisms to  
understand how highly homologous transporters assume strikingly different specificities  
within the same family and how distantly related transporter of different families share  
common binding-site architectures and motifs. **WPI.2** Expression of the homologous NAT  
mammalian transporters in the *Leishmania tarentolae* organism.  
Budget for 'Intracellular parasitism team: 40,000 €

- 2013-2015** **KRIPIS I:** DEVELOPMENT GRANTS FOR RESEARCH INSTITUTIONS/Greek GSRT  
Project Title:” Infectious Diseases and Neurodegenerative in the 21st century. From the study of basic mechanisms in the development of translational research and cutting edge methodologies targeting diagnosis, prevention and treatment. **Subproject EE2.5:** Mechanisms of *L. donovani* parasite survival in host macrophages and identification of virulence factors.  
**Subproject EE 4.5:** Identification, validation characterization of potential molecular targets for anti-leishmanial drug development.  
Budget for ‘Intracellular parasitism team: **68,180 €**
- 2017-2019** **KRIPIS II:** DEVELOPMENT GRANTS FOR RESEARCH INSTITUTIONS/Greek General Secretariat for Research and Technology  
Project title: “Infectious, autoimmune and neurodegenerative diseases: study of the pathogenetic mechanisms and development of diagnostic, prognostic and therapeutic approaches” **Subproject IIE 3.3:** Structural and functional characterization of the Tyrosine and Phosphoinositide phosphatase *LdTyrPIP\_22* of the protozoan parasite *Leishmania donovani* (M4-M24) with aim to point out new chemotherapeutical targets from antileishmanial drugs (Coordinator Hellenic Pasteur Institute).  
Budget for ‘Intracellular parasitism team: **22,900 €**
- 2018-2020** **BIOIMAGING GR:** “Hellenic Research Infrastructure for the Imaging and Observation of Fundamental Processes in Biology and Medicine” (MIS 5002755) which is implemented under the Action “Reinforcement of the Research and Innovation Infrastructure”, funded by the Operational Programme "Competitiveness, Entrepreneurship and Innovation" (NSRF 2014-2020) and co-financed by Greece and the European Union (European Regional Development Fund). *Responsible for 2WPs of the HPIs participation in the Infrastructure Network.*
- 2018-2020** «**INSPIRED:** The National Research Infrastructure on Integrated Structural Biology, Drug Screening Efforts and Drug target functional characterization» MIS code 5002550 *WP.2.1, WP 2.2*
- 2019-2021** Ministry of Development and Investment/grant Code EBBM103.  
"Supporting researchers with emphasis on young researchers – B cycle"- "Human Resources Development, Education and Lifelong Learning" on Priority Axis 6, co-funded by the European Social Fund (ESF).  
**Project title:** *In vitro* μελέτη της αντικαρκινικής δράσης πολυφαινόλων ελληνικού ελαιόλαδου/***In vitro* study of the anticancer properties of polyphenols from greek olive oil.**  
**Grant initiation date:** End of 2019 **Grant duration:** 15 months  
**Budget:** 45,500€
- 2019-2023** **H.F.R.I** (Hellenic Foundation for Research and Innovation)  
PhD grant (Olympia Tziouvara)  
**Project title:** “PI phosphatases and PI binding proteins of the *Leishmania* protozoan parasite: Characterization of two representative molecules and study of their role in the parasite life cycle and in the infection of the mammalian host”  
**Grant initiation date:** October 2019; **Grant duration:** 30 months  
**Budget:** 27,000€

#### **Funding from private institutions**

- 2011** Sponsorship from Genesis Pharma pharmaceutical company to the “Intracellular parasitism” research group supporting the research project of the team investigating mechanisms by which the protozoan parasite *Leishmania donovani* infects humans and domestic animals and causes the disease of Kala azar

*Scientific responsible:* H.Boleti, Budget for ‘Intracellular parasitism team’: 15,000 €

- 2014** Sponsorship from Abbvie Pharmaceutical Company to the “Intracellular parasitism” group supporting its research projects against Leishmaniasis.  
*Scientific responsible:* H.Boleti, Budget for ‘Intracellular parasitism team’: 5,000 €

*As collaborator, member of the Scientific team*

- 2016-2017** **Asklepios Gilead Sciences Hellas grant 2016**  
"Characterization of new synthetic and natural compounds with broad-spectrum anti-viral activity as inhibitors of Hepatitis B virus in a cell culture model simulating the in vivo normoxic microenvironment. Importance of liver normoxia for HBV replication and the efficiency of inhibitors" *Scientific responsible Dr Niki Vasilaki*

Collaborators: Dr C. Neuveut (IP Paris, Unité des Hépacivirus et Immunité Innée), Dr M. Windisch (IP Korea, Applied Molecular Virology), Prof. A. L. Skaltsounis, Prof. G. Zoidis and Dr V. Myrianthopoulos (Faculty of Pharmacy, University of Athens, Greece), **Dr H. Boleti** (HPI, Intracellular Parasitism and Light Microscopy Unit

*Teaching Experience*

Over the course of my training and work, I have acquired significant teaching experience.

It consists of:

- **Supervision** of **3 PhD** thesis [2 defended: Nov 2008 (shared PhD student in collaboration with Dr K.Bourtzis, U. of Ioannina) and April 2015. One ongoing, started 1/1/2018], **5 MSc** theses [defended in: Jan. 2014 (U. of Athens), Jan. 2015 (U. of Athens), June 2015 (U. of Montpellier), March 2017(U.of Athens) and June 2017 (U. of Grenoble)], **2 diploma** thesis (2003 (U. of Montpellier) & 2009 (U. of Athens) ] and of the practical training of 9 other post-graduate and undergraduate students.
- **Formal lectures** and seminars directed towards postgraduate students pursuing a career in Biochemistry and Medicine and laboratory technicians
- **Practical teaching** in the laboratory to both Biochemistry, Medicine and Dietetics undergraduate students and postgraduate students on subjects related to Biochemistry, Molecular and Cell Biology as well as Light Microscopy techniques
- **Teaching** of Secondary Education teachers on advances in biosciences ([http://www.pasteur.gr/?page\\_id=2036&lang=en](http://www.pasteur.gr/?page_id=2036&lang=en)).
- **Lectures** on “Study of the cellular anatomy with advanced Imaging techniques of Fluorescent microscopy”, Chemistry Department, MSc in “Biochemistry”, University of Athens
- **Lectures** on the “Biotechnological applications of the system of *Leishmania tarentolae*” (Biology Department, MSc in “Microbial Biotechnology” University of Athens)
- **Lectures** “Molecular Mechanisms of the host cells targeted by intracellular pathogens” Biology Department, MSc in “Applications of Biology in Biomedical research”, University of Athens)
- **Lectures** “The technology of Fluorescent proteins. From the jellyfish and corals to the laboratories of Biology and Medicine”, Medical School, MSc in “Biotechnology”, University of Ioannina) and in Bioimaging symposia (<http://mgn.upatras.gr/bioimaging2010/>).
- **Member** of two 3-member PHD committees and of one 7-member **PhD committee**

*Management/Organization Experience*

*Organization of Conferences/Courses/Workshops*

- **Organizer** of a Practical Workshop on Light Microscopy. A workshop addressed to scientists working at the Pasteur Institute in Paris. With the collaboration of ZEISS, Leica and Photonic Science (Paris, April 1998).
- **Organizer** of Practical Workshops on "Applications of Light Microscopy on Biomedical Research and Diagnosis" addressed to Biologists and Medical Doctors in Greece. Hellenic Pasteur Institute (Athens, May 2004 and April 2005)



- **Coordinator** of a series of workshops on Light Microscopy in the context of a program financed by the Greek General Secretariat of Research and Technology in the context of the European program "Human Networks for training in Research and Technology". As a result, The Greek Light Microscopy Network was established having as members the universities of Ioannina, Crete and Athens, the Hellenic Pasteur Institute, the Institute for Biomedical Research in Ioannina and three private companies (**2004-2006**)
- **Organizer** of three day workshops for secondary education teachers with the aim of offering training and information about the recent advances in the biomedical sciences in the context of the program "Open Doors" financed by the Greek Ministry of Development, Division for Research and Technology. The project was developed in collaboration with EMBL (**2005-2007**)
- **Co-organizer** of the **SET ROUTES** event "Opening Gateways to Science with Invited international speakers from research and science politics who talked about their career paths and their experiences on working in different scientific areas. The event was aimed at university undergraduate and post-graduate students and scientists from all levels. [http://www.set-routes.org/university/calendar/athens\\_nov08/index.html](http://www.set-routes.org/university/calendar/athens_nov08/index.html)
- **Coordinator** of the project for the construction of the Hellenic Pasteur website. [www.pasteur.gr](http://www.pasteur.gr) (**2009-2011**)
- **Organizer** of an Institut Pasteur International Network regional course on "Cell Biology and infection: Digital Image Processing/Analysis Tools for Quantitative Light Microscopy Imaging" (July 4-8, **2016**)

#### Awards/Honors

- Excellence Award from the Greek Ministry for Education for the academic year **1982-1983**
- The Greek Canadian Association Scholarship **1988**
- Graduate Teaching Assistantship and Research Assistantship, Department of Biochemistry, University of Alberta. **1987-1991**
- EMBL pre-doctoral Fellowship **1991-1995**
- EMBL post-doctoral Fellowship **1995-1996**
- EMBO post-doctoral Fellowship **1996-1998**
- TMR post-doctoral Fellowship **1997-1999**
- Post-doctoral Fellowship Fondation pour la Recherche Médicale (FRM) **1998-1999**
- Post-doctoral Fellowship Association pour la Recherche contre le Cancer (ARC) **1998-1999**
- Mobility Research grant, The Pasteur Institute, Paris, France **2000-2002**
- EMBO short-term Fellowship **2000**
- Fellowship from the French Embassy in Greece (EGIDE) **2005**
- **Poster award** **2016**  
at the 67<sup>th</sup> Panhellenic conference of the Hellenic Society of Biochemistry and Molecular Biology, Ioannina, (25-27 Nov. 2017). Title: *LdPIBPnex*, a secreted nexin-like protein from the protozoan parasite *Leishmania donovani*. Authors: Drosos Kourounis, Amalia Papadaki, Olympia Tziouvara, Haralabia Boleti, Intracellular parasitism group, Hellenic Pasteur Institute

#### Memberships

- Founding member of the Greek Bioimaging Society (*recognized legally in spring 2016*)
- Member of the Hellenic Society of Biochemistry and Molecular Biology.
- Member of the Comité d'Animation Scientifique Internationale-Advisory Scientific committee-(COMASI) of the International Network of the Pasteur Institutes and Associated Institutes **2002-2005**). The committee evaluated applications for the organization of international courses within the Pasteur Institute network as well as research proposals submitted for funding at the Direction des Affaires Internationales of the Institut Pasteur, Paris.
- SET-ROUTES School & University ambassador <http://www.set-routes.org/>
- Member of scientific committees for the organization of Microscopy meetings (ELMI meeting 2011)
- Member of the Jury for the 6<sup>th</sup> international Scientific film festival. November **2011**, Athens (<http://www.caid.gr/isffa/about.html>)



Conference participation

1. 11<sup>th</sup> Hellenic Congress of Immunology , Athens 5-7 Dec. 2019  
Invited speaker: Confocal Microscopy; Boleti H.
2. 67<sup>o</sup> Panhellenic conference of the Hellenic Society of Biochemistry and Molecular Biology, Ioannina, (25-27 Nov. 2016)  
Poster (prize): LdPIBPnex, a secreted nexin-like protein from the protozoan parasite Leishmania donovani. Authors: Kourounis D, Papadaki A, Tziouvara O, Boleti H.
3. 67<sup>th</sup> Panhellenic conference of the Hellenic Society of Biochemistry and Molecular Biology, Ioannina (25-27 Nov. 2016)  
Poster: Study of LdTyrPIP<sub>22</sub>, a Tyrosine and Phosphoinositide Phosphatase from Leishmania donovani. Authors: Tziouvara O, Kotopouli A., Papadaki A, Boleti H.
4. 66<sup>th</sup> Conference of Hellenic Society for Biochemistry and Molecular Biology. Athens, Greece (11-13 Dec. 2015)  
Oral presentation title: Biochemical characterization and subcellular localization of the tyrosine and phosphoinositide dual specificity phosphatase LdPIP22, a potential drug target from Leishmania donovani. Authors: Papadaki A, Kotopouli A, Doukas A, Rios P, Tziouvara O, Koehn M, Boleti H
5. Scientific Symposium of the Institut Pasteur International Network. Paris, France (10-13 Sept. 2014).  
Poster: The Leishmania membrane bound Histidine Acid Phosphatases (HAcPs) as putative virulence factors; Characterization of the LdMACP, a Histidine Acid ecto-phosphatase from L. donovani Authors: Papadaki A., Boleti H.
6. 64<sup>th</sup> Conference of Hellenic Society for Biochemistry and Molecular Biology. Athens, Greece (6-9 Dec. 2013). Poster presentation.  
Poster: Heterologous expression of the mammalian nucleobase transporter rSNBT1 in the LEXSY Leishmania tarentolae protein expression system. Authors: Doukas A, Papakostas K, Papadaki A, Frillingos S, Boleti H.
7. Cost Action CM0801, 4<sup>th</sup> Annual Meeting. Crete (Sept. 19-21 2012). Poster presentations.  
1) Poster: Study of specific Leishmania Atypical Lipid Phosphatases (ALPs) as putative virulence factors for parasite survival in host phagocytes and as potential drug targets. Authors: Kotopouli A, Papadaki A, Doukas A, Papadacos K, Sgouras D, Galanopoulou N., Boleti H  
2) Poster: Leishmanicidal activity assessment of olive tree extracts; Oleuropein, a powerful antioxidant is able to promote L. donovani cell death. Authors: Ioannis Kyriazis, Despina Smirlis, Papadaki A, Aligiannis N, Polychronopoulos P, Skaltsounis A.L, Dotsika E.
8. 62<sup>nd</sup> Conference of Hellenic Society for Biochemistry and Molecular Biology. Athens, Greece (9-11 Dec. 2011).  
Poster: Study of specific Leishmania histidine acid phosphatases as putative virulence factors for parasite survival in host phagocytes and as potential drug targets. Authors: Papadaki A., Smirlis D., Kourou, K., Politou A.S., Boleti H.
9. Participation at the ‘Scientific International Meeting of Young Researchers from RIIP’, Institut Pasteur, Paris, France (10 Nov. 2011).  
Commented Poster (oral presentation): Phosphoinositide involvement in Leishmania donovani phagocytosis by Raw 264,7 macrophages. Authors: Amalia Papadaki, Haralabia Boleti
10. 60<sup>th</sup> Panhellenic conference of the Hellenic Society of Biochemistry and Molecular Biology. Athens, 20-22 Nov. 2009  
Poster: Generation of transgenic Leishmania donovani expressing the Red Fluorescent protein mRFP1: a tool for in vivo imaging of the parasite host cell interaction Authors: Kotini M., Papadaki A., Smirlis D., Soteriadou K. Diallinas,G. & Boleti H. Molecular

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11. 60<sup>th</sup> Panhellenic conference of the Hellenic Society of Biochemistry and Molecular Biology Athens, 20-22 Nov. 2009  
Poster title: Phosphoinositide involvement in *Leishmania donovani* phagocytosis by Raw 264,7 macrophages  
Authors: *Amalia Papadaki, Maria Kotini, Despina Smirlis, Javier Pizarro-Cerda, Ketty Soteriadou & Haralabia Boleti*, Molecular Parasitology Laboratory and Light Microscopy Unit, Hellenic Pasteur Institute, Unité des Interactions Bactéries-Cellules, Institut Pasteur Paris
12. 4<sup>th</sup> World congress in Leishmaniasis, Lucknow, India, 3-7 Feb. 2009  
Oral presentation: **The leishmanial Ran-GTPase system reveals an atypical Ran network**  
Authors: *Despina Smirlis, Haralabia Boleti, Maria Gaitanou, Ketty Soteriadou* Laboratory of Molecular Parasitology, Department of Microbiology, Laboratory of Cellular and Molecular Neurobiology, Department of Biochemistry, Hellenic Pasteur Institute
13. 1st Conference «MIKROVIOKOSMOS», Athens, 12-14 Dec. 2008  
Poster: **Wolbachia safe sex: The triggering factor for speciation, ecological diversity and applications.**  
Authors: *Saridaki, P<sup>1</sup>. Sapountzis, S<sup>1,2</sup>. Siozios, P. Ioannidis<sup>1</sup>, H. Boleti<sup>2</sup>, S. Zabalou<sup>3</sup>, C.Savakis<sup>4</sup> and K.Bourtzis<sup>1</sup>* Biochemistry and Molecular Biology Laboratory, Department of Environmental and Natural Resources Management, University of Ioannina, Agrinio; Molecular Parasitology Unit & Light Microscopy Unit, Hellenic Pasteur Institute, Athens, Greece.
14. 23<sup>rd</sup> International conference of Entomology (ICE) Durban, S. Africa, 6-12 Jul. 2008  
1) Oral presentation: **Insect-Wolbachia-WO phage tripartite symbiotic interaction: exploring the role of phage.**  
Authors: *P. Sapountzis, H. Boleti, S. R. Bordenstein, K. Bourtzis*  
2) Oral presentation: **Drosophila-Wolbachia symbiotic interactions: exploring the role of ankyrins.**  
Authors: *P. Sapountzis, S. Siozios, P. Ioannidis, A. Saridaki, H. Boleti, K. Bourtzis*
15. 33<sup>rd</sup> FEBS conference, Athens, Jun 28- Jul. 3, 2008  
Poster: **Wolbachia ankyrins and their potential role on Drosophila-Wolbachia symbiosis. FEBS Journal 275:266.**  
Authors: *Saridaki<sup>1</sup>, P. Sapountzis<sup>1,2</sup>, S. Siozios<sup>1</sup>, P. Ioannidis<sup>1</sup>, H. Boleti<sup>2</sup>, and K. Bourtzis<sup>1</sup>*- Biochemistry and Molecular Biology Laboratory, Department of Environmental and Natural Resources Management, University of Ioannina, Agrinio; Molecular Parasitology Unit & Light Microscopy Unit, Hellenic Pasteur Institute, Athens, Greece.
16. 5<sup>th</sup> International conference of *Wolbachia*. Kolympari, Crete, Greece, Jun. 9-14, 2008  
1) Poster title: A novel tool to study insect-Wolbachia-phage interactions.  
Authors: *P. Sapountzis, H. Boleti, S.R. Bordenstein and K. Bourtzis*  
2) Poster title: Drosophila-Wolbachia symbiotic associations: exploring the role of wRi ankyrins.  
Authors: *P. Sapountzis, S. Siozios, P. Ioannidis, A. Saridaki, H. Boleti, S. Andersson & K. Bourtzis*
17. 30<sup>th</sup> Annual Scientific conference of Greek Society of Biological Sciences. Thessaloniki, May 22-24, 2008  
Oral Presentation: Μελέτη Αλληλουχιών αγκυροβόλησης και συγκράτησης στο ενδοπλασματικό δίκτυο (ΕΔ) της πρωτεΐνης NS4B του ιού της Ηπατίτιδας C (HCV): Σύντηξη της NS4B με το ένζυμο της πλασματικής Μεμβράνης CD39 αποκαλύπτει ένα πειραματικό σύστημα για την αναγνώριση αλληλουχιών συγκράτησης μεμβρανικών πρωτεϊνών στο ΕΔ. (*Study of ER Anchoring and Retention sequences of the HCV virus NS4B protein: Fusion of NS4B with the plasma membrane enzyme CD39 reveals an experimental system for the recognition of ER retention signals*).  
Authors: *Boleti H<sup>1,2</sup>, Smyrlis D<sup>2</sup>, Christophoridis S<sup>3</sup>, Mavromara P<sup>4</sup>*  
<sup>1</sup>Light Microscopy Unit, <sup>2</sup>Molecular Parasitology Lab., <sup>4</sup> Molecular Virology Lab., Hellenic Pasteur Institute., <sup>3</sup>Biological Chemistry La. Medical School Ioannina & Biomedical Research Institute, FoRTH, Ioannina
18. 59<sup>th</sup> Congress of Greek Biochemical Society Athens, 7-9 Dec. 2007  
Oral Presentation: The leishmanial Ran-GTPase system reveals an atypical Ran network  
Authors: *Smirlis D<sup>a</sup>, Boleti H<sup>a</sup>, Gaitanou M<sup>b</sup>, Soteriadou K<sup>a</sup>*

<sup>a</sup>Laboratory of Molecular Parasitology, Department of Microbiology, <sup>b</sup>Laboratory of Cellular & Molecular Neurobiology, Department of Biochemistry, Hellenic Pasteur Institut

19. **Ημερίδα Φωτονικής Μικροσκοπίας (Light Microscopy Day)**. Greek Network of Light Microscopy) and Hellenic Pasteur Institute. *Αθήνα 21 Ιαν. 2006*  
**Oral presentation: When the microbes conquer the host cells (Όταν τα μικρόβια κατακτούν τα κύτταρα ξενιστές).** Authors: Boleti H.
20. **57<sup>th</sup> Congress of Greek Biochemical Society**. Athens, *9-11 Dec 2005*  
**Oral Presentation:** Signals for insertion and retention of the NS4B Hepatitis C virus protein to the endoplasmic reticulum. Authors: Boleti H, Ntalagiorgou G., Mavromara P.-Molecular Virology Laboratory-Hellenic Pasteur Institute
21. **57<sup>th</sup> Congress of Greek Biochemical Society**. Athens, *9-11 Dec. 2005*  
**Poster:** Lotus japonicus: Nodule expressed putative polyol transporters  
Authors Kaliampakou K. I. <sup>1</sup>, Efrose R. C. <sup>2</sup>, Demou M., Catalina Stedel<sup>1</sup>, Boleti H<sup>3</sup>, Flemetakis E.<sup>1</sup> & Katinakis P. <sup>1</sup>  
<sup>1</sup>Agricultural U. of Athens, Dep of Agriculture Biotechnology, <sup>2</sup> National Research Centre Democritus, <sup>3</sup> Hellenic Pasteur Institute, Microbiology Department
22. **Συνέδριο του Διεθνούς Δικτύου των Ινστιτούτων Παστέρ**. Ho-Chi-Minh-Ville, Viet-Nam, *22-24 Oct 2001*  
**Προσκεκλημένη ομιλήτρια:** Interaction of the Hepatitis C virus with its host cells: Study of the non-structural NS4B protein.  
Authors H.Boleti, P. Mavromara- Molecular Viorology laboratory,-Hellenic pasteur Institute
23. **1<sup>o</sup> Conferene of ELSO (European life sciences Organization)**. Geneva, Switzerland, *2-6 Sep.2000*  
**Poster:** Vesicular traffic between the *C. psittaci* inclusion and Golgi intersects a retrograde traffic pathway between Golgi and ER.  
Authors: H.Boleti, D. Ojcius, A. Dautry Varsat- Unité de Biologie des Interactions Cellulaires, Institut Pasteur, Paris.
24. **3rd Conference of EMBO fellows**. Heidelberg, Germany, *11-13 Jul 1999*  
**Oral presentation:** Expression of dynamin and Eps15 mutants had no effect on the entry of *Chlamydia* into epithelial cells but the dynamin mutant inhibited the *Chlamydia* productive growth.  
Authors: H.Boleti, D. Ojcius, A. Dautry-Varsat - Unité de Biologie des Interactions Cellulaires, Institut Pasteur, Paris.
25. **2nd Conference of ECBO (European Cell Biology Organization)**. Bologna, Italy *8-11 May, 1999*  
**Poster:** *Chlamydia* entry into epithelial cells is independent of dynamin or Eps15 function but the productive growth of *Chlamydia* is inhibited by a dynamin I mutant.  
Authors: H.Boleti, D. Ojcius, A. Dautry Varsat - Unité de Biologie des Interactions Cellulaires, Institut Pasteur, Paris
26. **2nd Conference Louis Pasteur in Infectious diseases**. Paris, France, *8-10 Oct 1998*.  
**Poster:** Characterization of *Chlamydia* entry into epithelial cells.  
Authors: H. Boleti D. Ojcius, A. Dautry Varsat- Unité de Biologie des Interactions Cellulaires, Institut Pasteur, Paris
27. **25<sup>th</sup> Annual conference of the Greek Biochemical Society**, Athens, *10-11 Jan 1997*  
**Oral presentation:** Βιοχημικός χαρακτηρισμός μίας καινούριας πρωτεΐνης κινητήρα των μικροσωληνίσκων από την οικογένεια των κινεσινών (Biochemical characterization of a new Microtubule motor protein from the kinesin family). Authors: H.Boleti, I. Vernos, E. Karsenti - Dep. of Cell Biology, EMBL, Heidelberg, Germany
28. **18<sup>th</sup> Annual conference of the Greek Society of Biology**, Kalamata, Greece, *17-19 Apr. 1996*  
**Oral presentation:** Η Xklp2, μία πρωτεΐνη κινητήρας των μικροσωληνίσκων του *Xenopus laevis* είναι απαραίτητη για την συγκρότηση της μιτωτικής ατράκτου (Xklp2, a microtubule motor protein from *Xenopus laevis* is essential

for mitotic spindle assembly). Authors: H.Boleti, I. Vernos, E. Karsenti - *Dep. Of Cell Biology, EMBL, Heidelberg, Germany*

**29. Congress of the American Society of Cell Biology**, Washington D.C. H.Π.A. **11-14, Dec 1995**

**Poster:** Xklp2, A *Xenopus* Kinesin-Like Protein localised on centrosomes and the mitotic spindle, is essential for bipolar spindle assembly. Authors: H.Boleti, I. Vernos, E. Karsenti - *Dep. Of Cell Biology, EMBL, Heidelberg, Germany*

**30. 4<sup>th</sup> European conference of Cell Biology**. Prague, Czech Republic, **26 Jun-1 Jul 1994**

**Poster:** Xklp2, a *Xenopus* “KLP” localized on the centrosome and mitotic spindle.  
Authors: H.Boleti, I. Vernos, E. Karsenti - *Dep. Of Cell Biology, EMBL, Heidelberg, Germany*

**31. ENII (European Network of Immunology Institutes) Congress**. Les Embiez, France, **20-24 May 1992**

**Poster:** Intracellular transport and processing of the MHC class II glycoproteins and the associated invariant chain.  
Authors: H. Boleti, B. Dobberstein - *Dep. Of Cell Biology, EMBL, Heidelberg, Germany*

**32. 6th International Congress on «Differentiation of Normal and Neoplastic cells»** Vancouver, Canada, **29 July-2 Aug. 1990**

**Poster:** Nucleoside transport in K562 human leukemia cells.  
Authors: H. Boleti, C.E. Cass - *Dep. of Biochemistry, U. of Alberta, Canada*