



## Curriculum Vitae

**Prof. Dr. Lucía Gallego**

### PERSONAL DETAILS

**Name:** Lucía Gallego

**Date of birth:** 26 January 1962      **Age:** 48

**Nacionality:** Spanish

**Business Address:** Dpto. Inmunología, Microbiología y Parasitología

Facultad de Medicina y Odontología

Universidad del País Vasco

Campus de Bizkaia

Barrio Sarriena, s/n

48940 Leioa

Ph: +34 946012778

Email: [lucia.gallego@ehu.es](mailto:lucia.gallego@ehu.es)

FAX: 0034 946013495

### Education and Qualifications

- |      |   |
|------|---|
| 1988 | Graduation in Medicine and Surgery<br>Universidad del País Vasco, Bilbao (Spain)    |
| 1990 | Master in Recombinant DNA Technology<br>Universidad de Cantabria, Santander (Spain) |
| 1991 | PhD Medicine and Surgery<br>Universidad del País Vasco, Bilbao (Spain)              |

## Current Appointment

1993- Prof. Titular Universidad  
Departamento de Inmunología, Microbiología y Parasitología  
Facultad de Medicina y Odontología  
Universidad del País Vasco

## Previous Appointments

1986-1987 Pregraduate research student, University of Basque Country  
1987-1989 Research assistant, University of Basque Country  
1989-1992 PhD student (granted by the Basque Government)  
1992-1993 Teacher of Microbiology, University of the Basque Country  
1993-1993 Research assistant, University of the Basque Country

## PUBLICATIONS (in bold type those manuscripts written in English)

### A. Original Scientific Papers

- Determination of carbapenemases and its genetic support in clinical isolates of *Acinetobacter baumannii* obtained in hospitals of Cochabamba, Bolivia. *Biofarbo*, 2009, vol 17(1):30-38
- First detection of the OXA-40 carbapenemase in *P. aeruginosa* isolates, located on a plasmid also found in *Acinetobacter baumannii*. **Pathologie Biologie** 2009, 57 (6) : 493-495.
- Resistance to antibiotics in clinical isolates of *Pseudomonas aeruginosa* **Pathologie Biologie** 2006 , 54: 493-497.
- The evolution of multidrug-resistant *Acinetobacter baumannii* isolates obtained from elderly patients with respiratory tract infections. **Journal of Antimicrobial Chemotherapy** 2006, vol. 57: 1220-1222.
- Long term dissemination of an OXA-40 carbapenemase-producing *Acinetobacter baumannii* clone in iberian peninsula. **Journal of Antimicrobial Chemotherapy**, 2004, vol. 54 no. 1: 255-257
- Detection of carbapenemases in clones of *Acinetobacter baumannii* resistant to imipenem. *Enfermedades Infecciosas y Microbiologia Clinica* , 2004, vol. 22 (nº05):262-266.
- Endemic carbapenem resistance associated with OXA-40 carbapenemase amongst *Acinetobacter baumannii* isolates from a hospital in Northern Spain. **Journal of Clinical Microbiology**, 2002, 40 (12):4741-4743.

- Comparative evaluation of three commercial software packages for analysis of DNA polymorphism patterns. **Clinical Microbiology and Infection**, 2001 vol. 7: 331-336.
- Carriage of class 1 integrons and antibiotic resistance in clinical isolates of *Acinetobacter baumannii* from Northern Spain. **Journal of Medical Microbiology** 2001, vol. 50: 71-77.
- Specific and rapid identification of multiple-antibiotic resistant *Pseudomonas aeruginosa* clones isolated in an intensive care unit. **Diagnostic Microbiology and Infectious Disease**, 2000, vol. 36: 65-68.
- Epidemiological analysis of sequential *Pseudomonas aeruginosa* isolates from chronic bronchiectasis patients without cystic fibrosis. **Journal of Clinical Microbiology**, 1999, vol. 37, n°6: 2071-2073.
- Typing of *C. albicans* isolates obtained from an ICU using PCR. *Enfermedades Infecciosas y Microbiología Clínica*, 1998, vol.16:9-13.
- Diagnosis of candidosis by amplification of small subunit of 18s RNA gene. **Revista Iberoamericana de Micología.**, 1997, vol.14 (1): 23 - 25
- Detection of hepatitis c virus RNA in serum and peripheral blood mononuclear cells in patients with chronic hepatitis c treated with interferon alpha. **European Journal of Clinical Microbiology & Infectious Diseases**, 1996, vol. 15 (11): 887 - 890.
- Microbiologic aspects of the antibacterial effects of ceftriaxone. *Revista Española de Quimioterapia*, 1996, vol. 9 (3): 11 - 22
- New methodologies to detect HPV. *Revista Ibero-latinoamericana de Enfermedades de Transmision Sexual*, 1996, vol. 10 (1): 27 - 33
- Application of new methodologies to the study of the resistance to antimicrobial agents. *Forhos*, 1996 n° 6: 3 - 9
- Third multi-center study of the in vitro activity of ofloxacin vs. ciprofloxacin during 1994. *Revista Española de Quimioterapia*, 1995, vol. 8 (3): 236 - 240
- Evaluation of the in vitro antimicrobial activity of ofloxacin in Spain. **Recent Advances in Chemotherapy.** ed. European Society of Clinical Microbiology and Infectious Diseases, 1994, vol.1 p: 294-295
- Spanish multicenter study of enterobacterial resistance to cefotaxime. **Recent Advances in Chemotherapy.** ed. European Society of Clinical Microbiology and Infectious Diseases, 1994, vol. 1, p: 125-127
- Multicenter study of the in Vitro activity of ofloxacin. *Revista Española de Quimioterapia*,1993, vol. 6: 160 - 163

- Production of HBV from linfocites stimulated with phitohemaglutinin. *Enfermedades Infecciosas y Microbiologia Clinica*, 1993, vol. 11 (4): 187 - 189
- Oligonucleotide probes to characterize TEM-1 and TEM-2 betalactamases in salmonella isolates. *Enfermedades Infecciosas y Microbiologia Clinica*, 1993, vol. 1 (5): 250 - 254
- Third multicenter study of resistance to cefotaxime: detection and characterization of broad-spectrum betalactamases. *Revista Española de Quimioterapia.*, 1993, vol. 5 (4): 301 - 306
- Application of PCR to detect mutations in genes coding betalactamases *Enfermedades Infecciosas y Microbiologia Clinica*, 1993, vol. 11 (2): 80 - 83
- Molecular study of resistance to ampicillin in clinical isolates of salmonella. *Enfermedades Infecciosas y Microbiologia Clinica*, 1992, vol. 10 (10): 597- 601
- Hybridization experiments with a digoxigenin-labeled probe to detect HDV isolates.. *Enfermedades Infecciosas y Microbiologia Clinica*,1992, vol. 10 (8): 470- 473
- Obtention of a digoxigenein-labeled probe to detect TEM-type betalactamases using PCR. *Enfermedades Infecciosas y Microbiologia Clinica.*, 1992, vol. 10 (4): 220 - 223
- Antimicrobial resistance in salmonella strains isolated in a hospital of Bilbao, Spain from 1987 to 1990. *Enfermedades Infecciosas y Microbiologia Clinica*, 1992, vol. 10 (2): 89 - 96
- Multicenter study of the resistance to cefotaxime during the year 1991: detection and characterization of new betalactamases. *Revista Española de Quimioterapia.*, 1991, vol. 4 (2): 137 - 144
- New approaches for the detection of betalactamases. *Revista Española de Quimioterapia*, 1990, vol. 3 (3): 216 - 218
- Digoxigenin-labeled DNA probe to detect TEM type betalactamases. **Journal of Microbiological Methods**, 1990, vol. 11: 261 - 267.
- Distribution of plasmidic betalactamases in gram-negative rods. *Revista Española de Quimioterapia*, 1989, vol. 2: 227 - 231
- Comparative activity of amoxicillim and amoxicillin/clavulanic acid against multidrug-resistant enterobacteria. *Revista Española de Quimioterapia*. 1989, vol. 3: 86 - 89
- Transference of plasmidic betalactamases between enterobacterial strains. *Enfermedades Infecciosas y Microbiologia Clinica*,1989, vol. 7 (4): 189 - 194
- Study of the activity of amoxicillin and clavulanic acid in nosocomial isolates. *Revista Española de Microbiologia Clinica*, 1988, vol. 1: 68 – 73

### **Books:**

- “ Analysis of plasmids as genetic support of carbapenemase OXA-40 in multidrug-resistant *Acinetobacter baumannii* isolates” in **Current Research, Technology and Education Topics in Applied Microbiology and Microbial Biotechnology**. Microbiology Series -2010 Edition Ed: A. Méndez-Vilas Formatex Research Center (in press).
- “Sistemas de estudio de la actividad de los antimicrobianos por metodos geneticos” en *Sistemas de estudio de la actividad de los antimicrobianos* Coordinador: Manuel Casal Roman Edit: Servicio de Publicaciones de la Universidad de Cordoba, Cordoba. 1995. pag:93 - 101. ISBN 84-7801-292-3
- “Poxvirus y adenovirus” en *Microbiologia Medica General* Coordinador: J. A. Garcia Rodriguez y J. Picazo Edit: Mosby, Doyma libros, Madrid. 1996. pag:439 - 451. ISBN 84-8174-170-1
- Genotipado molecular de microorganismos de importancia medica. Memoria 1996. edit: ed. por Bristol-Myers Squibb, Madrid. 1997. pag:1-129
- “Poxvirus, adenovirus, papilomavirus y parvovirus” en *Compendio de Microbiologia Medica* Coordinador: J. A. Garcia Rodriguez y J. J. Picazo Edit: Harcourt Brace, Doyma libros, Madrid. 1999. pag: 284 - 291. ISBN 84-8174-378-X

### **Congress published in journals, books or CD format :**

- Typing of actinomycetes by DNA amplification techniques. **Journal of Microbiological Methods/abstracts** , 1997, vol.30:245
- Reliability of AP-PCR and ERIC-PCR for typing *Acinetobacter baumannii* isolates from different sources. **Journal of Microbiological Methods/abstracts**, 1997, vol.30:245
- Random amplified polymorphic DNA as a typing method to differentiate *Candida albicans* strains. *Journal of Microbiological Methods/abstracts*.1996, vol. 27 (1): 107 - 107
- Diagnosis of candidemia by polymerase chain reaction. **Journal of Microbiological Methods/abstracts**. 1996, vol. 27 (1): 106 – 107
- “Analysis of multidrug-resistant *Acinetobacter baumannii* isolates as emerging pathogens in hospitals of Cochabamba, Bolivia” Bit by bit. Unit to unit. Educational environments in cooperation, 2010, Vitoria-Gasteiz, Spain, ISBN: 978-84-614-0680-7

## RESEARCH GRANTS AND CONTRACTS

2010-2013: “ Bacterial responses to stress. Identification of cellular factors controlling responses to stress on *Escherichia coli* and *Vibrio harveyi*” Basque Government, Grants for Consolidated Research Groups.

2009-2010: “ Use of PFGE technique to detect and analyse plasmids in *A. baumannii* isolates” University of the Basque Country

2008-2009: “ PCR-fingerprinting to control pathogenic bacteria resistant to antibiotics obtained in hospital of Cochabamba, Bolivia” University of the Basque Country, International Office

2008-2009: “Development of genetic technology to detect and control resistance to carbapenem antibiotics in hospitals of Cochabamba city, Bolivia “ Spanish Agency for International Cooperation, Foreign Office (A/9758/07)

2005-2007: Funding for a PhD Student from the Foreign Office (Ministerio de Asuntos Exteriores)

2005-2009: Funding for a PhD Student from the University of the Basque Country

2003-2005: “Identification and genetic characterization of new carbapenemases responsible for resistance to imipenem in clinical isolates of *Acinetobacter baumannii* and study of related integrons” from University of the Basque Country (1/UPV 00093.327-E-15284/2003)

2005: Equipment funding from University of the Basque Country

2003-2007: Funding for a PhD Student from the Universidad del País Vasco

2003: Equipment funding from University of the Basque Country

2001-2002: “Detection and identification of integrons and the corresponding genes coding resistance to antibiotics in clinical isolates of *Pseudomonas aeruginosa* y *Acinetobacter baumannii*” from University of the Basque Country (1/UPV 00093.327-E-13711/2001)

2002: Equipment funding from University of the Basque Country

2001-2002: “Study of *M. kansasii* infections in Bilbao and development of an epidemiologic survey using molecular biology techniques” from Fondo de Investigación de la Seguridad Social- Instituto de Salud Carlos III

1998: Equipment funding from University of the Basque Country

1997-1998: “Development and application of techniques for genetic characterization of gram-negative rods resistant to antibiotics: *Pseudomonas aeruginosa* y *Acinetobacter* spp.” from University of the Basque Country (UPV 093.327-EA012/97)

1997-2001: Funding for a PhD Student from the University of the Basque Country

1996-1997: “ DNA amplification techniques for the genetic characterization of medically important: Random y Arbitrarily Primed PCR vs. PCR-ribotyping” from University of the Basque Country (UPV 093.327-EA161/96)

1996-2000: Funding for a PhD Student from the Basque Government

1995-1996: “Genotyping of microorganisms resistant to antibiotics : RFLP and PCR” from University of the Basque Country (UPV 093.327-EA073/95)

1996: Equipment funding from University of the Basque Country

1996: “Genotyping of medically important microorganisms” from Bristol-Myers, s.a.

1994-1995: “Characterization of the resistance to betalactam antibiotics in *P. aeruginosa* isolates: permeability, enzymes and PBP loss” from Basque Government, Department of Education (PI93101)

1993-1994: “DNA probes to detect and characterize resistance to antibiotics” from Basque Government, Department of Education (11-0812)

1993: “Application of Molecular Biology techniques to study resistance in HIV isolates” from University of the Basque Country

1991-1993: “Oligonucleotide probes to detect, characterize and epidemiological control of the new broad-spectrum betalactamases” from Spanish Government, Ministry of Education and Science (92/0767)

1991-1992: “Oligonucleotide probes to detect and characterize new betalactamases” from University of the Basque Country

1989-1990: “New methodologies for the diagnosis of HBV and HDV infections” from University of the Basque Country

1989-1990: “Induction of betalactamases in nosocomial isolates of gram-negative rods” from University of the Basque Country

1989-1990: “Application of new methodologies to the diagnosis of infections and resistance to antibiotics”” from Basque Government (Department of Public Health).

1988-1989: “Development of two new techniques to detect plasmidic betalactamases: DNA probes and monoclonal antibodies” from University of the Basque Country (UPV 093.327/88)

1987-1988: “Characterization of plasmidic betalactamases and its distribution among gram-negative flora in a Spanish hospital” from University of the Basque Country (UPV 093.327-1987)

## CONFERENCES/SYMPOSIA

### Internationals: 55

- 8<sup>th</sup> Symposium on the Biology of Acinetobacter, 2010, Rome, Italy
- III EDTC. Bit by bit. Unit to unit. Educational environments in cooperation, 2010, Vitoria-Gasteiz, Spain
- IV Conferencia de Latinoamericanas en las Ciencias Exactas y de la Vida (200,9 Guatemala City, Guatemala)
- 19<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases ( 2009, Helsinki, Finland)
- 3er. Congreso Científico Nacional de la Organización Boliviana de Mujeres en Ciencias (2008, La Paz, Bolivia)
- :- 18<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (2008 Barcelona, España)
- 17<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (2007 Munich, Germany):
- 7<sup>th</sup> International Symposium on the Biology of Acinetobacter (2006 Barcelona, Spain)
- 16<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (2006 Niza, France)
- 25e Reunion Interdisciplinaire de Chimiotherapie Anti-infectieuse (2005 Paris, France)
- 15<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (2005 Copenhagen, Denmark)
- 6<sup>th</sup> International Symposium on the Biology of Acinetobacter (2004 Dublin, Ireland)
- 14<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (2004 Prage, Check Republic)
- 13<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (2003 Glasgow, United Kingdom)
- 12<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (2002 Milan, Italia)
- Acinetobacter 2000 (Noordwijkerhout, Holand)
- 9th European Congress of Clinical Microbiology and Infectious Diseases (1999 Berlin Germany)
- VI International Congress on Pseudomonas (1997 Madrid Spain)
- 8th European Congress of Clinical Microbiology and Infectious Diseases (1997 Lausanne Suizertland)
- 7th. International Congress for Infectious Diseases (1996 Hong Kong, Cnina)
- ASM Conference on Candida and Candidiasis: Biology, Pathogenesis and Management (1996 San Diego, USA)
- 16th. Interdisciplinary Meeting on Anti-infectious Chemotherapy (1996 Paris, France)
- Xth. International Congress of Virology (1996 Jerusalem Israel)
- IX Triennial International Symposium on Viral Hepatitis and Liver Disease (1996 Roma Italy)
- First European Congress of Chemotherapy (1996 Glasgow United Kingdom)
- 7th. European Congress of Clinical Microbiology and Infectious Diseases(1995 Viena Austria)
- 19th. International Congress in Chemotherapy (1995 Montreal Canada)
- European Group for Rapid Viral Diagnosis Joint Meeting (1995 Praga Check Republic)
- 33rd. InterscienceCconference on AntimicrobialAgents and Chemotherapy (1993 New Orleáns, USA)
- 6th. European Congress of Clinical Microbiology and Infectious Diseases (1993, Sevilla Spain)
- 18th. International Congress of Chemotherapy (1993 Estocolmo, Sueden)
- 10th. Interdisciplinary World Congress on Antimicrobial and Anticancer Drugs (1992 Geneve, Switzerland)
- 17th. International Congress of Chemotherapy (1991 Berlin Germany)
- 2nd. International Meeting on Bacterial Epidemiological Markers (1990 Rodas Greece)
- I Congreso Iberico de Microbiologia Clinica (1989 Madeira Portugal)

### 2. Nationals: 30

- XIII Congreso de la Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica (2004 Bilbao)



- X Congreso de la Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica (2002 Sevilla)
- IV Congreso de la Sociedad Española de Quimioterapia (1997 Bilbao)
- VII Reunion Nacional SEIMC (1997 Madrid)
- IV Congreso de la Sociedad Española de Quimioterapia (1997 Bilbao)
- VI Congreso Nacional de Enfermedades Infecciosas y Microbiología clínica (1994 Valencia)
- XIV Congreso Nacional de Microbiología (1993 Zaragoza): 1 (ponencia invitada).
- IV Reunion de la Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica (1991 Santiago)
- XIII Congreso de la Sociedad Española de Microbiología (1991 Salamanca)
- XII Congreso Nacional de Microbiología (1989 Pamplona)
- III Congreso Seimc (1988 Granada )
- XI Congreso Nacional de Microbiología (1987 Gijon)
- II Congreso SEIMC Simposium ESCM (1986 Palma de Mallorca)
- 13 Osasun jardunaldiak. osasuna eta teknologiak (2003. Donostia barriola eraikina, ehu)
- IV Ihardunaldi Medikoak (1994 Donostia)
- 2. Ihardunaldi medikoak gaixotasun infekziotsuak (1992 Bilbao)

## **AWARDS AND FELLOWSHIPS**

2007: Awarded a Travel Fellowship by the Spanish Government as part of the Research Collaboration Programme. Dptment. of Microbiology, Queen's Medical Centre, University Hospital of Nottingham (Supervisor: Dr. Kevin J. Towner).

2000: Awarded a Travel Fellowship by the British Council and Basque Government as part of the Research Collaboration Programme. Dptment. of Microbiology, Queen's Medical Centre, University Hospital of Nottingham (Supervisor: Dr. Kevin J. Towner).

1999: Awarded a Travel Fellowship by the British Council and Basque Government as part of the Research Collaboration Programme Queen's Medical Centre - University Hospital, Nottingham (Supervisor: Dr. Kevin J. Towner).

1997 Awarded a Travel Fellowship by the British Council and Basque Government as part of the Research Collaboration Programme. St. Bartholomew's Hospital, London (Supervisor: Dr. David M. Livermore and Dr. Mark Wilks).

1992-1994: Awarded a research grant to collaborate in the project "Sondas de DNA para el estudio de resistencias a los antimicrobianos" (Basque Government).

1989-1992: Awarded a PhD Grant from the Basque Government.

## **POSTGRADUATE STUDENTS SUPERVISED**

- |           |  |
|-----------|--|
| 1994-1996 | Dra. Miren Josebe Unzaga , Hospital de Basurto (Bilbao, Spain) |
| 1994-1996 | Dra. Pilar Berdonces, Hospital de Basurto (Bilbao, Spain)      |
| 1996-2002 | Dña. Idoia Pujana (Basque Government)                          |
| 1997-2004 | Dn. Fernando López (University of the Basque Country)          |

1998-2003	Dña. Miren Josune Canduela (University of the Basque Country)
2003-2007	Dña Elena Sevillano (University of the Basque Country)
2004-2009	Dña. Cristina Valderrey ((University of the Basque Country)
2005-2010	Dña. Elena Fernández (Ministerio de Asuntos Exteriores)
2006- 2010	Dña. Ikerne Rosales(University of the Basque Country)

### **VISITS TO LABORATORIES**

- **University Hospital, Queen's Medical Centre**, Nottingham, United Kingdom Department of Medical Microbiology, Division of Infectious Diseases, “Typing unit” Supervisor: Dr. Kevin J. Towner
  - from 2nd January to 30<sup>th</sup> March, 2008
  - from 28 June 2002 to 8 July, 2002
  - from 19th June to 26th July, 2000
  - from 7th June to 21th August, 1999
- **St. Bartholomew's and the Royal London School of Medicine and Dentistry** London, United Kingdom. Department of Medical Microbiology.  
Supervisors Dr . David M. Livermore and Dr. Mark Wilks
  - from 23th June to 15th August, 1997
  - 15th July to 15th August, 1990.
- **Facultad de Medicina, Universidad de Cantabria**, Santander, Spain. Dpto de Biología Molecular, Facultad de Medicina Supervisor: Dr. Juan M. García-Lobo
  - from September 1989 to July, 1990

### **REVIEWER OF THE FOLLOWING JOURNALS:**

- “Journal of Antimicrobial Chemotherapy” 2005 -
- “Clinical Microbiology and Infection”. 2004-
- “Molecular & Cellular Probes” 2008-
- “Journal of Microbiological Methods” 2010-
- “African Journal of Microbiological Research” 2010-

## EDUCATIONAL AND RESEARCH ACTIVITIES IN THE AREA OF COOPERATION AND DEVELOPMENT

**1- Agreement, academic and student exchange programs between the University of the Basque Country (Bilbao, Spain) and the University Mayor de San Simón (Cochabamba, Bolivia) to promote internationalization and to engage in an academic student and faculty exchange program (2009- )**

### **2- Research Grants**

- 2008-2009: University of the Basque Country
- 2008-2009: Spanish Agency for International Cooperation

### **3- Conferences, Workshops, Symposia**

- III JORNADAS DE EDUCACIÓN, DESARROLLO, TECNOLOGÍA Y COOPERACIÓN  
Bit a Bit. De unidad a unidad. Entornos educativos en cooperación  
2010, VITORIA-GASTEIZ, SPAIN  
Scientific Committee and invited speaker
- II JORNADAS SOBRE DESARROLLO, TECNOLOGÍA Y SOCIEDAD.  
Ingeniería Sin Fronteras País Vasco-Euskal Herriko Mugarik Gabeko Ingeniaritza  
2010, BILBAO, SPAIN  
Oral Presentation
- IV CONFERENCIA DE LATINOAMERICANAS EN LAS CIENCIAS EXACTAS Y DE LA VIDA  
2009 GUATEMALA CITY, GUATEMALA  
Poster
- II JORNADAS DE EDUCACIÓN, DESARROLLO, TECNOLOGÍA Y COOPERACIÓN  
Nuevas formas en cooperación: EDUCACIÓN Y TIC  
2009, VITORIA-GASTEIZ  
Invited speaker
- 3er. CONGRESO CIENTIFICO NACIONAL DE LA ORGANIZACIÓN BOLIVIANA DE MUJERES EN CIENCIAS  
2008 LA PAZ, BOLIVIA  
Oral presentation

### **4- Educational activities, Universidad Mayor de San Simón, Cochabamba (Bolivia)**

- “Master in Clinical Microbiology” Cochabamba from 25th to 29th, August 2008.
  - Bacilos Gram negativos no fermentadores: generalidades y clasificación
  - *Pseudomonas aeruginosa* y *Acinetobacter baumannii*: patógenos del milenio
  - Mecanismos de resistencia a los antibióticos betalactámicos
  - Técnicas de tipado genético y su aplicación al control de la infección hospitalaria
  - Docencia práctica: técnicas de identificación de gram negativos y de la resistencia a los antibióticos
- Conferences under the auspices of the Scientific Society of Students of Biochemistry and Pharmacy: (29th August, 2008)
  - “Estudio genético de aislamientos multirresistentes de *Acinetobacter baumannii* productores de carbapenemasa OXA-40”
  - “*Acinetobacter baumannii* patógeno emergente en infecciones nosocomiales”