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Universidad Complutense de Madrid
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CURRENT POSITION

Associate Professor. Department of Applied Economics. Universidad Complutense de Madrid. 2011-
Academic Secretary, Encounter of the Drug Industry. UIMP. Santander. 2009-present.
Associated Researcher. Centre de Recerca en Economia i Salut (CRES). Universitat Pompeu Fabra. 2007-
Member of the Board of Directors. Spanish Health Economic Association. 2006-present.

OTHER POSITIONS

Assistant Professor. Department of Applied Economics. Universidad Complutense de Madrid. 2005-2011.
Visiting Scholar. Columbia Business School. Columbia University. September 2008- January 2009.
Director, Encounter of the Drug Industry. UIMP. Santander. 2006-2008.
Lecturer. Instituto de Empresa. 2008-2011.
Coordinator. Madrid Seminar on Health Economics. Seminario de Estudios Sociales de la Salud y los
Medicamentos. Universidad Carlos III Madrid. 2003-2008.
Visiting Professor, Department of Economics, Universidad Carlos III Madrid. 2003-2005.
Academic Secretary, Encounter of the Drug Industry. UIMP. Santander. 2004-2005.

FIELDS OF INTEREST

Primary: Health Economics

Secondary: Industrial Organization, Labor Economics, Applied Microeconomics. Economics of Innovation.

DOCTORAL STUDIES

Ph.D., Economics, Boston University, Boston, MA. January 2004.

Dissertation: "Risk Sharing and Risk Adjustment Strategies to Deal with Health Plan Selection and Efficiency".

First Advisor: Randall P. Ellis

Date of Completion: September 2003

Doctorate in Economics. Official Spanish Title, homologated by the Spanish Ministry of Education and Science.

Exp. Num.: 2004-07730/1.

PRE-DOCTORIAL STUDIES

M.A. in Political Economy, Boston University, Boston, MA, 2001.

B.A. in Business and Economics, Universidad de Navarra, Pamplona, Spain, 1996.

B.A. in Violin, Conservatorio Superior Pablo Sarasate, Pamplona, Spain, 1995.

TEACHING EXPERIENCE

Applied Spanish Economy. Universidad Complutense de Madrid. 2011-.

Health Economics. MA in Economics. Universidad Complutense de Madrid. 2011-.

Health Economics. MA in Pharmaceutical Management and Policy. Hibernia College. 2011-.

Service Economics. Universidad Complutense de Madrid. 2009-.

Spanish Economy. Universidad Complutense de Madrid. Spring 2005-present.

Economics of Health Management. Universidad Complutense de Madrid. 2007-.

Economic Environment and the Economics of Healthcare. Instituto de Empresa. 2008-.

Applied Economics. Universidad Complutense de Madrid. 2006-2007.

Introductory Microeconomics, Universidad Carlos III Madrid. Fall, 2003/4 and 2004/5.

Course of specialization in the Pharmaceutical Industry. MA in Industrial Economics, Universidad Carlos III Madrid. 2004-present.

Health Economics. MA in Health Services Management. Agencia Lain Entralgo. Madrid. 2003-present.

Health Economics. Course of Specialization in Economics of the European Union. Universidad Carlos III Madrid. 2004-present.

Health Economics. Estudi General Lul lià. Palma de Mallorca. 2004.

Intermediate Microeconomics, Universidad de Navarra. Spain, 1996-1997.

Information Economics, Universidad de Navarra. Spain, 1997-1998.

AWARDS ON RESEARCH AND FELLOWSHIPS

Fellowship from the José Castillejo Program. *Ministry of Science and Innovation*. Spain. Support as a Visiting Scholar at Columbia University under the supervision of Professor Joseph E. Stiglitz. 2008-2009.

Financial support for attending the European Conference of Health Economics (ECHE 2006). Budapest. Granted by the *Spanish Health Economics Association*.

Financial support for attending the Econometric Society World Congress 2005. Econometric Society.

“ALdE Jóvenes Investigadores” First Award to a Young Researcher presenting at VIII Encuentro de Economía Aplicada held in Murcia, in June 2005. *Asociación Libre de Economía* (ALdE).

Dissertation Research project award from the Health Care Financing Administration's Dissertation Fellowship Grants Program. This program awards each year to dissertation research projects on health economics to a

maximum of 5-6 graduate students in prestigious doctoral programs in the United States. This program belongs to the *Centers for Medicare and Medicaid Services* (Department of Health and Human Services, United States). 2002.

XII Fellowship Program for graduate studies at foreign universities and research centers. *Ramon Areces Foundation*. 1998-2001.

Dissertation Fellowship. *Government of Navarre*. Pamplona. 2001-2003.

Graduate Fellowship, Universidad de Navarra, Pamplona, Spain, 1996-1998.

NON-ACADEMIC EXPERIENCE

Summer Intern, NERA Economic Consulting, Madrid, Spain, 2000.

Research Officer, NERA Economic Consulting, Madrid, Spain, 2002.

RESEARCH PROJECTS

“La innovación en servicios y las interacciones entre servicios públicos y privados: el caso de la sanidad”,
Financed by the Ministry of Sciences and Innovation (CICYT Program). Principal Investigators: Luis Rubalcaba (Universidad de Alcalá de Henares) and Manuel García Goñi. 2010-2012.

“Analyzing the tradeoff between self-selection and moral hazard in the health insurance market”. Financed by the Spanish Institute for Fiscal Studies. Principal Investigator: Manuel García Goñi (Universidad Complutense de Madrid) and supervision of Professor Joseph E. Stiglitz (Columbia University).

“The Contribution of Services to European Growth and Welfare and the Role of Public-Private Innovation Networks”. Financed by the European Commission, VII Framework Program. Principal Investigator at Universidad Complutense de Madrid: Manuel García Goñi. 2008-2010.

Program on Pharmaceutical Policy Issues (PPPI). Financed by The Merck Company Foundation. Universities Carlos III de Madrid and Pompeu Fabra. Principal Investigators: Vicente Ortún (Universitat Pompeu Fabra) and Félix Lobo (Universidad Carlos III de Madrid). 2003-2009.

“The Dynamic State”. GESM Project. Fundación Internacional para Iberoamérica de Administración y Políticas Públicas. Investigador Principal: Carlos Mulas Granados. 2007-2008.

“Informe sobre la Gestión y Uso Racional del Medicamento en el Sistema Nacional de Salud”. Entidad Financiadora: Ministerio de Sanidad y Consumo. Investigador Principal: Manuel García Goñi. 2007-2008.

“Informe sobre la internacionalización del sector de la consultoría en España”. Financed by ICEX (Instituto de Comercio Exterior). Principal Investigator: Luis Rubalcaba. 2007.

“Health and Wealth”. PhRMA. Principal Investigator: Manuel García Goñi. 2006.

“Risk Adjustment on the Spanish Health System as an Incentive for Efficiency.” Spanish Institute for Fiscal Studies. Principal Investigator: Manuel García Goñi. 2005-2006.

- “Evaluación de sistemas de clasificación de pacientes en ámbito poblacional en una organización sanitaria integrada”. Financed by: Instituto de Salud Carlos III (PI06/90368). Principal Investigator: Josep Maria Inoriza Belzunce (Serveis de Salut Integrats Baix Empordà). 2006-2008.
- “Classification of patients in an integrated health organization. Utility of the Clinical Risk Groups (CRG).” Agency of Evaluation in Technology and Research in Medicine (Project 128/01/2004). Principal Investigator: Josep Maria Inoriza Belzunce (Serveis de Salut Integrats Baix Empordà). 2005-2007.
- “Ensayos de Economía Pública IV”. Research Project 2004-2007. Financed by the Spanish Ministry of Science and Technology (SEJ2004-01959/ECON). Principal Investigator: Javier Ruiz-Castillo Ucelay (Universidad Carlos III de Madrid).
- “Innovation in the Public Sector, PUBLIN” Financed by the European Commission, V Framework Program (SERD-2002-00171). Conducted in Spain by University of Alcala and Servilab (Laboratory of Resarch in Service Activities).
- “Using Risk Sharing and Risk Adjustment Strategies for Dealing with the Tradeoff Between Selection and Efficiency,” Centers for Medicare & Medicaid Services, January 2002 – January 2003, US\$30,055.

PUBLICATIONS AND WORK IN PROGRESS

In peer reviewed journals

- “[Estimates of costs related with population morbidity: changes in predictive power when overheads are allocated](#)”, with M. Carreras et al. 2011. *European Journal of Health Economics* 12:289–295.
- “[Hybrid Risk Adjustment for Pharmaceutical Benefits](#)”, with Pere Ibern and José María Inoriza. *European Journal of Health Economics* (2009) 10:299–308.
- “[Economic impact of antiretroviral treatment on AIDS patients from the mid 1990s to the present. An economic review of cost savings after introduction of HAART](#)”, with Teresa Gonzalo and M^a Ángeles Muñoz-Fernández. *AIDS Reviews* 11:70-90. 2009.
- “[La medida de la morbilidad poblacional en una organización sanitaria integrada](#)”, with JM Inoriza, et al. *Gaceta Sanitaria*. 23(1): 29-37. 2009.
- “[Predictability on drug expenditures: an application using morbidity data](#)”, with Pere Ibern. *Health Economics* Volume 17, Issue 1, Pages 119-126, January 2008.
- “[A neo-Schumpeterian model of health services innovation](#)”, with Paul Windrum. *Research Policy*. Volume 37/4 pp 649-672. 2008.
- “[Innovation and worker motivation in public health](#)”, with Andrés Maroto and Luis Rubalcaba. *Health Policy*. Volume 84/2-3 pp 344-358. 2007.
- “Sistemas de Pago a Proveedores de Servicios de Salud: Modelos y Experiencias Internacionales”, with Pere Ibern. *Serie de Documentos de Trabajo n°4. FONASA*. pages 11-30. June 2008.

“El proceso de internacionalización de los servicios de consultoría en ingeniería en España”. *Cuadernos ICE*. Septiembre-Octubre 2008, 844:139-154.

“Diferencias y similitudes entre los procesos de adopción de innovaciones tecnológicas y organizacionales en los hospitales”. *Gaceta Sanitaria*, 2006; 20(Suplemento 2): 51-62. JCR Impact factor: 1.172.

“Tipología de innovaciones en servicios aplicada a la sanidad”. *Revista Española de Economía de la Salud*, 2006; 5(1): 37-40.

Chapters in books:

“Innovation in public health care: Diabetes education in the UK”, with Paul Windrum and Eileen Fairhurst.

Chapter in [Handbook of Innovation in Services](#). Edited by F. Gallouj, F. Djellal, and C. Gallouj. Cheltenham: *Edward Elgar*. 2010.

“New approaches to health care innovation: information for chronic patients”, with Paul Windrum. Chapter 10 in *The economics of new health technologies – Incentives, organisation and financing*. Edited by J. Costa-Font, C. Courbage and A. McGuire. *Oxford University Press*. 2009. ISBN: 978-0-19-955068-5.

“Hacia una política sanitaria más dinámica: El caso español”, with Ariadna García-Prado. Chapter 8 in *El Estado Dinamizador. Nuevos riesgos, nuevas políticas y la reforma del estado de bienestar en Europa*. Coordinated by Carlos Mulas-Granados. Edited by FIIAPP and Editorial Complutense. 2010. ISBN: 978-84-7491-967-7.

“[La despesa sanitària segons morbiditat](#)”, with José M. Inoriza, Jordi Coderch-Lassaletta, Marc Carreras, Laura Vall-llosera, Josep M. Lisbona, and Pere Ibern. In *Estudis d’economia de la Salut (Volum II)*. Edited by Generalitat de Catalunya. Departament de Salut. Direcció General de Planificació i Avaluació. Pages 79-131. 2008. ISBN 9788439373797

“The adoption and diffusion of technological and organisational innovations in a Spanish hospital”. Chapter 5 in *Innovation in Public Services: Management, Creativity, and Entrepreneurship*. Coordinated by Paul Windrum and Per Koch. Cheltenham: *Edward Elgar*, pp.126-157. 2008. ISBN: 978 1 84542 631 6.

“El Ajuste de Riesgos en los Mercados Sanitarios”. Chapter 7 in *Integración asistencial: fundamentos, experiencias y vías de avance*. 15º libro de la colección Economía de la Salud y Gestión Sanitaria. Coordinated by Pere Ibern. Edited by Masson. 2006. ISBN: 84-458-1578-4.

“Aplicación y consecuencias de las innovaciones disruptivas e incrementales en la provisión de servicios sanitarios”. In *Política Farmacéutica Europea en le Mercado Global*. Directed by Juan del Llano, Jaume Puig and Antoni Gelonch. Edited by Sanofi-Aventis. 2007. Depósito legal M.25811-2007.

Other publications:

“[Arrow y el nacimiento de la economía de la salud](#)” *Economía y Salud* 70. Marzo de 2011.

“[Gasto sanitario y farmacéutico](#)”, *A Saúde de Galicia* 9: 4-7. Marzo de 2010.

- [“Las estrategias de salud pública en Estados Unidos y su reforma sanitaria”](#) Revista de la Fundación de Ciencias de la Salud 32: 18-21. Marzo de 2010.
- [“La reforma sanitaria vista desde casa”](#) Economía y Salud 66. Septiembre de 2009.
- “Análisis descriptivo del gasto sanitario español: evolución, desglose, comparativa internacional, y relación con la renta”. Documento de trabajo 26/06. Instituto de Estudios Fiscales. 2006.
- “La información genética y su efecto en el mercado de seguros”. *Gestión Clínica y Sanitaria*, 2005; 7(4): 154.
- “Determinantes del riesgo de pertenecer a un grupo de alto gasto sanitario en términos absolutos o relativos a la renta familiar”. *Gestión Clínica y Sanitaria*, 2006; 8(4): 155.
- “Motores, rápidos y seguidores : La renta per capita provincial en España 1960-1991”, mimeo, Universidad de Navarra, Pamplona. 1997.

Papers in process of publication and working papers:

- “Pathways towards chronic care-focused healthcare systems: evidence from Spain”, with Cristina Hernández-Quevedo, Roberto Nuño-Solinís, and Francesco Paolucci. *Submitted*.
- “El gasto en farmacia y la política farmacéutica en España y en un contexto internacional”, with Francesco Paolucci. 2011. *Submitted*.
- “Selection in Medicare HMOs: Absence of Evidence from Aged versus Disabled Payment Rates,” with Randall P. Ellis. 2008. *Submitted*.
- [“The application of Hybrid Risk Adjustment for total health expenditures”](#), with Pere Ibern and José María Inoriza. Universitat Pompeu Fabra. Department of Economics and Business Working Paper 1078. 2008. *Submitted*.
- “Changes in the Stock of Health Capital in the European Union”, con Juan Oliva. 2008. *Submitted*.
- “La concentración del gasto sanitario”, with Pere Ibern, José María Inoriza et al. 2007. Working Paper
- “Risk Sharing and Risk Adjustment Strategies to Deal with Health Plan Selection and Efficiency” 2007. WP.
- “The effect of informal care on the labour market participation”, with Natalia Jorgensen. 2008. WP
- “El copago: cuestiones técnicas y ejemplos”, 2004.
- “Simulations on Risk Sharing and Risk Adjustment: Selection and Welfare,” 2003.
- “Signaling in the Open Source Market.,” 2000.
- “Determinants of Equilibrium Unemployment in Spain,” 2000.

CONFERENCE PRESENTATIONS

- “Reducing the need for health services through patient-centered education of chronic patients”*
International Health Economics Association (iHEA). Toronto, Canada. July, 2011.

- Jornadas de la Asociación de Economía de la Salud (AES). Valencia. Junio de 2010.
- “Cómo afecta la Gestión de los Pacientes Crónicos a los Sistemas Sanitarios”*
 Jornada sobre La Gestión del Enfermo Crónico. Madrid. December 2010.
- “Risk Adjustment and Provider Payment Systems: Complementarities and Matching”*
 The Fourth International Jerusalem Conference on Health Policy. Jerusalem, Israel. December, 2009
- “Risk Sharing in the pharmaceutical Industry”*
 The Future of the Policy in Pharmaceuticals. Madrid. November, 2009.
- “The effect of informal care on the labor market participation”*
 International Health Economics Association (iHEA). Beijing, China. July, 2009.
 Conferência Nacional de Economia da Saúde (APES). Porto. October, 2009.
- “The Allocation of Pharmaceutical resources in Primary Care through Diagnosis based Risk Adjustment models”*
 International Health Economics Association (iHEA). Beijing, China. July, 2009.
 Conferência Nacional de Economia da Saúde (APES). Porto. October, 2009.
- “Ajuste de Riesgos: estado de la discusión y aplicaciones internacionales”*
 Congreso de la Asociación Argentina de Economía de la Salud (AES). Buenos Aires. June 2009.
- “The effect of information in the provision of healthcare. Is information equally useful for everyone?”*
 Jornadas de la Asociación de Economía de la Salud (AES).Salamanca. Mayo de 2008.
- “Ajuste de riesgos y medida de la morbilidad”*
 Jornadas de la Asociación de Economía de la Salud (AES).Salamanca. Mayo de 2008.
- “Hybrid Risk Adjustment for total health expenditures”*, with Pere Ibern and José María Inoriza. Presented at:
 Conferência Nacional de Economia da Saúde (APES). Lisboa. November, 2007.
 Convegno dell'Associazione Italiana di Economia Sanitaria. Florence. October, 2007.
 Spanish Health Economics Association Meeting (AES). A Coruña. June, 2007.
 International Health Economics Association (iHEA). Copenhagen. July, 2007.
- “A neo-Schumpeterian model of health services innovation”*, with Paul Windrum. 2007. Presented at:
 Universidad Pablo Olavide. Sevilla. Noviembre de 2010.
 International EMAEE Conference on Innovation: Globalisation, Services and Innovation: The Changing Dynamics of the Knowledge Economy. Manchester, May 2007.
- “Hybrid Risk Adjustment for pharmaceutical benefits”* with Pere Ibern. Presented at:
 International Conference on Business, Management and Economics (ICBME). Izmir, Turkey. June 2006.
 European Conference on Health Economics (ECHE). Budapest. July 2006.
- “Risk Sharing and Risk Adjustment Strategies to Deal with Health Plan Selection and Efficiency”*. Presented at:

Econometric Society World Congress (ESWC). London. August, 2005.

International Health Economics Association (iHEA). Barcelona. July, 2005.

Encuentro de Economía Aplicada. Murcia. Junio, 2005.

International Conference on Health Economics, Management and Policy (ATINER). Athens. June, 2005.

Spanish Economic Association Meeting. Pamplona. December, 2004.

Spanish Health Economics Association Meeting. Cádiz. June, 2003.

“Selection in Medicare HMOs: Absence of Evidence from Aged versus Disabled Payment Rates,” with Randall P. Ellis. Presented at:

European Meeting of the Econometric Society (EEA-ESEM). Madrid. August, 2004.

Spanish Health Economics Association Meeting. Cádiz. June, 2003.

“Predictability of drug expenditure: an application using morbidity data”. Presented at:

Spanish Health Economics Association Meeting. Barcelona, July, 2005.

“El copago: cuestiones técnicas y ejemplos”. Presented at:

IV Spanish Pharmaceutical Industry Meeting. Universidad Internacional Menéndez Pelayo. 2004.

“El Ajuste de Riesgos en los Mercados Sanitarios.” Presented at:

Spanish Health Economics Association Meeting. El Escorial. May, 2004.

SEMINAR PRESENTATIONS

2010: Universidad Pablo Olavide. Sevilla.

2007: Universidad de Salamanca and Universidad Complutense de Madrid.

2005: Universidad Carlos III Madrid, Universidad Autónoma de Madrid, FEDEA, Universidad Complutense de Madrid, Universidad de Alcalá de Henares.

2004: PUBLIN Workshop. Vilnius, Lithuania, Fundación de Estudios De Economía Aplicada –FEDEA.

2003: Universidad Carlos III Madrid, Centro de Investigación y Docencia Económicas-CIDE (Mexico)

AFFILIATION

International Health Economics Association (iHEA).

Spanish Health Economics Association (AES).

American Society of Health Economics (ASHE)

International Society for Pharmacoeconomics and Outcomes Research (ISPOR)

Asociación Libre de Economía (ALdE).

PARTICIPATION IN CONFERENCE ORGANIZATION

Member of the Scientific Committee. Spanish Health Economics Association Meeting. Toledo, 2006.

Member of the Scientific Committee. Portuguese Health Economics Association Meeting. Lisbon, 2007.

Member of the Scientific Committee. European Conference on Health Economics. Roma. 2008.

Member of the Scientific Committee. 24th PCS International Working Conference. Lisbon. 2008.

REFeree

Health Economics, Health Policy, Research Policy, Southern Journal of Economics, European Journal of Health Economics, Journal of Evolutionary Economics, Revista Española de Salud Pública, Asociación Nacional de Evaluación de Proyectos (ANEP), FUNCAS Working Paper Series, Revista Española de Economía Aplicada, Cuadernos de Economía