

Curriculum Vitae

Omar Licandro

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Professional Address

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Education

Ph.D. in Economics, *Université Catholique de Louvain*, Belgium, July 1991

M.A. in Economics, *Université Catholique de Louvain*, Belgium, September 1987

B.Sc. in Economics, *Universidad de la República*, Uruguay, May 1984

Main Professional Experience

2015–... : Professor, *University of Nottingham*, UK

2014–... : Executive Secretary, *Research Institute for Development, Growth and Economics* (RIDGE)

2013–... : Secretary General, *International Economic Association* (IEA)

2009–... : Research Professor, *Instituto de Análisis Económico* (IAE-CSIC), Barcelona, Spain (on leave)

2009–... : Associate Professor, *Barcelona Graduate School of Economics*, Spain

2010–2012: Research Director, *Barcelona GSE*, Spain

2001–2009: Professor, *European University Institute*, Florence, Italy

1994–2001: Senior Researcher, FEDEA, Madrid, Spain

1991–2001: Assistant/Associate Professor, *Universidad Carlos III de Madrid*, Spain

Main Teaching Experience

2016–2021: Advanced Macroeconomics, PhD in Economics, *University of Nottingham*, UK

2015–2021: Macroeconomic Theory, MSc in Economics, *University of Nottingham*, UK

2019–2021: Economic Policy Analysis I, *University of Nottingham*, UK

2009–2015: Economic Growth, PhD Program, *IDEA*, Barcelona

2013–2015: Advanced Macro, Master in Macro Policy and Financial Markets, *Barcelona GSE*

2014: Macroeconomics I, Master in Economics and Finance, *CEMFI*, Madrid

2013: Macroeconomics II, Master in Economics and Finance, *CEMFI*, Madrid
 2011: Technical Change and Growth, Master in Economics of Science and Innovation, *Barcelona GSE*
 2010 and 2013: Economic Growth and Development, Master in Economics, *Barcelona GSE*
 2001-2009: Macroeconomics, PhD Program, *European University Institute (EUI)*, Italy
 2006-2009: Growth Theory, PhD Program, *EUI*, Italy
 2001-2005: Technological Progress and Economic Growth, PhD Program, *EUI*, Italy
 1992–2001: Macroeconomics, PhD Program, *Universidad Carlos III de Madrid*, Spain
 1995: Macroeconomics, PhD Program, *Universidad Autónoma de Barcelona*, Spain
 1994: Macroeconomics, PhD Program, *Universidade Nova de Lisboa*, Portugal
 1993–1994: Labor Economics, Master on Education and Labor Economics, *U. Carlos III*, Spain
 1991–1998: Undergraduate courses on Microeconomics, Macroeconomics I, II, III and IV and Labor Economics, *Universidad Carlos III de Madrid*, Spain

Published Articles

1. “Trade, Firm Selection and Innovation: The Competition Chanel,” *Economic Journal*, **128**, 189-229, 2018. Coauthor: G. Impullitti.
2. “The Longevity of Famous People from Hammurabi to Einstein,” *Journal of Economic Growth*, **20**, 263-303, 2015. Co-author: D. de la Croix.
3. “Endogenous Growth and Wave-Like Business Fluctuation,” *Journal of Economic Theory*, **154**, 68-111, 2014. Coauthors: M. Bambi and F. Gozzi.
4. “The Child is Father of the Man: Implications for the Demographic Transition,” *Economic Journal*, **123**(567), 236-261, 2013. Coauthor: D. de la Croix.
5. “Trade Liberalization, Competition and Growth,” *The B.E. Journal of Macroeconomics*, **11**(1), 2011. Coauthor: A. Navas-Ruiz.
6. “The Short-Run Dynamics of Optimal Growth Models with Delays.” *Annales d’Economie et de Statistique*, **90**, 127-143, 2008. Coauthors: F. Collard and L. Puch.
7. “A Vintage Model of Trade in Secondhand Markets and the Lifetime of Durable Goods,” *Mathematical Population Studies*, **15**(4), 1547-724, 2008. Coauthors: L.A. Puch and A.R. Sampayo.
8. “An Evolutionary Theory of Inflation Inertia.” *The Journal of the European Economic Association*, **5**, 433-443, 2007. Coauthors: A. Anagnostopoulos, I. Bove and K. Schlag.
9. “On the Use of Substitutability as a Measure of Competition.” *The B.E. Journal of Macroeconomics*, **6**(1), 2006. Coauthor: W. Koeninger.
10. “The Effects of Replacement Schemes on Car Sales: The Spanish Case.” *Investigaciones Económicas*, **30**(2), 239-282, 2006. Coauthor: A. R. Sampayo.
11. “The Under-Estimated Virtues of the Two-sector AK Model.” *The B.E. Journal of Macroeconomics*, **5**(1), 2005. Coauthor: G. J. Felbermayr.
12. “From Uncertainty to Macroeconomics and Back: An Interview with Jacques Drèze.” *Macroeconomic Dynamics*, **9**(3), 2005. Joint with Pierre Dehez.
13. “Obsolescence and Modernization in the Growth Process.” *Journal of Development Economics*, **77**, 153-171, 2005. Coauthors: R. Boucekkine and F. del Río.

14. "Vintage Capital and the Dynamics of the AK Model." *Journal of Economic Theory*, **120**(1), 39-72, 2005. Coauthors: R. Boucekkine, L. A. Puch and F. del Río.
15. "Modelling Vintage Structures with DDEs: Principles and Applications." *Mathematical Population Studies*, **11**(3/4), 151-179, 2004. Coauthors: R. Boucekkine and D. de la Croix.
16. "Early Mortality Declines at the Dawn of Modern Growth." *Scandinavian Journal of Economics*, **105**(3), 401-418, 2003. Coauthors: R. Boucekkine and D. de la Croix.
17. "Embodied Technological Change, Learning-by-Doing and the Productivity Slowdown." *Scandinavian Journal of Economics*, **105**(1), 87-98, 2003. Coauthors: R. Boucekkine and F. del Río.
18. "The Measurement of Growth under Embodied Technical Change." *Recherches Economiques de Louvain*, **68**(1-2), 7-19, 2002. Coauthors: J. Ruiz-Castillo and J. Duran.
19. "Vintage Human Capital, Demographic Trends and Endogenous Growth." *Journal of Economic Theory*, **104**(2), 340-375, 2002. Coauthors: R. Boucekkine and D. de la Croix.
20. "Optimal Growth under Endogenous Depreciation, Capital Utilization and Maintenance Costs", *Investigaciones Económicas*, **25**(3), 543-559, 2001. Coauthors: L. Puch and J. R. Ruiz-Tamarit.
21. "Irreversibility, Uncertainty and Underemployment Equilibria", *Spanish Economic Review*, **2**(3), 231-248, 2001. Coauthor: D. de la Croix.
22. "Numerical Solution by Iterative Methods of a Class of Vintage Capital Models", *Journal of Economic Dynamics and Control*, **25**(5), 655-699, 2001. Coauthors: R. Boucekkine, M. Germain and A. Magnus.
23. "Capital Utilization, Maintenance Costs and the Business Cycle." *Annales d'Economie et de Statistique*, **58**, 143-164, 2000. Coauthor: L. Puch.
24. "Endogenous vs Exogenously Driven Fluctuations in Vintage Capital Models", *Journal of Economic Theory*, **88**(1), 161-187, 1999. Coauthors: R. Boucekkine and F. del Río.
25. "Life Expectancy and Endogenous Growth." *Economic Letters*, **65**, 255-263, 1999. Coauthor: D. de la Croix.
26. "Firm Heterogeneity, Capacity Utilization and the Business Cycle." *Review of Economic Dynamics*, **2**, 433-455, 1999. Coauthors: J-F. Fagnart and F. Portier.
27. "Creative Destruction, Investment Volatility, and the Average Age of Capital." *Journal of Economic Growth*, **3**(4), 361-384, 1998. Coauthors: R. Boucekkine, M. Germain and A. Magnus.
28. "Differential-Difference Equations in Economics: On the Numerical Solution of Vintage Capital Growth Models." *Journal of Economic Dynamics and Control*, **21**, 347-362, 1997. Coauthors: R. Boucekkine and C. Paul.
29. "Replacement Echoes in the Vintage Capital Growth Model." *Journal of Economic Theory*, **74**(2), 333-348, 1997. Coauthors: R. Boucekkine and M. Germain.
30. "Capacity Utilization Dynamics and Market Power." *Journal of Economic Dynamics and Control*, **22**(1), 123-140, 1997. Coauthors: J-F. Fagnart and H. Sneessens.
31. "Are There Any Special Features in the Spanish Business Cycle?" *Investigaciones Económicas*, **21**(2), 361-394, 1997. Coauthor: L. Puch.
32. "Underemployment, Irreversibilities and Growth under Trade Unionism." *Scandinavian Journal of Economics*, **97**(3), 385-399, 1995. Coauthor: D. de la Croix.
33. "Demand Uncertainty and Unemployment in a Monopoly Union Model." In Dixon and Rankin, ed, *The New Macroeconomics: Imperfect Competition and Policy Effectiveness*. Cambridge University Press, 1995.

34. "A Non-Walrasian General Equilibrium Model with Monopolistic Competition and Wage Bargaining." *Annales d'Economie et de Statistique*, **37/38**, 237-253, 1995.
35. "The q Theory of Investment under Unit Root." *Cahiers Economiques de Bruxelles*, **139**, 329-339, 1993. Coauthor: D. de la Croix.
36. "Investment Dynamics and Capacity Utilization under Monopolistic Competition." *Annales d'Economie et de Statistique*, **27**, 91-113, 1992.
37. "Q Investment Models, Factor Complementarity and Monopolistic Competition." *Recherches Economiques de Louvain*, **58**, 51-73, 1992.
38. "Investment under Demand Uncertainty and Capacity Constraints: An empirical application to Belgium." *Economie et Prevision*, **104**, 85-95, 1992. Coauthor: D. de la Croix.

Published Articles (in Spanish or French)

1. "Crecimiento económico con progreso técnico incorporado," *Revista de Economía ICE*, **72**, 61-84, 2006. Coauthors: L.A. Puch and J. Durán.
2. "Subsidios al desguace de bienes duraderos, heterogeneidad y ecos de reemplazo," *Revista de Economía ICE*, **72**, 155-176, 2006. Coauthor: R. Boucekkine and L.A. Puch.
3. "Crecimiento económico y generaciones de capital," *Revista de Economía ICE*, **72**, 177-194, 2006. Coauthors: A.R. Sampayo.
4. "Picos de inversión y productividad del trabajo en los establecimientos industriales madrileños," *Investigaciones Económicas*, **25(2)**, 255-288, 2001. Coauthors: A. Goicolea and R. Maroto.
5. "El equilibrio financiero del sistema español de pensiones." *Investigaciones Económicas*, **23(1)**, 129-143, 1999. Coauthor: J. F. Jimeno.
6. "Inversion y progreso técnico en el sector industrial de la Comunidad de Madrid." *Papeles de Economía Española*, *Economía de las Comunidades Autónomas*, 212-224, 1999.
7. "Los efectos de los planes Renove y Prever sobre el reemplazo de turismos." *Economía Industrial*, **314**, 129-140, 1997. Coauthor: A. R. Sampayo.
8. "Utilización del capital y ciclo económico español." *Moneda y Crédito*, **202**, 241-278, 1996. Coauthors: L. Puch and R. Ruiz-Tamarit.
9. "L'impact des changements de conjoncture sur l'évaluation des actifs financiers." *Annales d'Economie et de Statistique*, **18**, 91-111, 1990.

Research Papers

1. "Switching-track after the Great Recession" CFCM 20/02, University of Nottingham, 2020. Coauthor: F. Vinci.
2. "Technology, Market Structure and the Gains from Trade," CFCM 18/03, University of Nottingham, 2018. Co-author: G. Impullitti and P. Rendahl.
3. "Is the Output Growth Rate in NIPA a Welfare Measure?," CFCM 15/18, University of Nottingham, 2015. Co-author: J. Durán.
4. "Firm Dynamics in the Neoclassical Growth Model," CFCM 15/17, University of Nottingham, 2015.

5. "Firm Dynamics and the Importance of the Embodied Question," Barcelona GSE WP 397, 2009. Coauthor: A. Gabler.
6. "Is Discrete Time a Good Representation of Continuous Time?" WP 2006/28, European University Institute. Coauthor: Luis Puch.
7. "The Impact of Regional Integration on Economic Convergence and Growth." WP 2004/26, European University Institute.
8. "(In)determinacy and Time-to-Build." WP 2004/17, European University Institute. Coauthor: M. Bambi.
9. "Innovation, Machine Replacement and Productivity." DP5422, CEPR, 2007. Coauthor: L. Puch and R. Maroto.
10. "How Brand Names Affect the Price Setting of Carmakers Producing Twin Cars." WP 2004/01, European University Institute. Coauthors: N. Lado and F. Perez.
11. "Car Quality Improvements and Price Indices in Spain." DT 2001-18, FEDEA. Coauthors: M. Izquierdo and A. Maydeu, 2001.

Open Research Projects

1. "Skill Obsolescence." Coauthors: M. Poschke
2. "The Dynamics of Firm Dynamics Models." Coauthors: F. Collard
3. "New and Old Welfare Effects of Trade." Coauthors: G. Impullitti
4. "Firm Dynamics under Large Devaluations." Coauthors: C. Casacuberta
5. "Technical Efficiency and Product Value in Measuring Firm Level Productivity." Coauthors: Ali Saadatnia

Other Publications

1. "Continuous versus Discrete Time Modeling in Growth and Business Cycle," in *Continuous Time Modeling in the Behavioral and Related Sciences*, 2018. Coauthors: L.A. Puch and J. Ruiz.
2. "Vintage Capital Growth Theory: Three Breakthroughs," in *Frontiers in Economics and Globalization*, 2011. Coauthor: R. Boucekkine and D. de la Croix.
3. "Vintage Capital." *The New Palgrave Dictionary of Economics*, 2009. Coauthors: R. Boucekkine and D. de la Croix.
4. "Economic Integration and Political Structure," III Annual LA Conference of ELSNIT, 2005. Coauthor: J. Ventura.
5. "Evaluación de los efectos del Plan Prever a partir de un modelo de simulación de reemplazos del parque español de automóviles." DT 2000-04, FEDEA. Coauthor: A. R. Sampayo, 2000.
6. "The Importance of the Embodied Question Revisited." DT 99-13, FEDEA. Coauthors: R. Boucekkine and F. del Río, 1999.
7. *Las fuentes del progreso técnico: el caso de la industria en la Comunidad de Madrid*. Instituto de Estadística, Comunidad de Madrid. Coauthor: A. Goicolea, 1998.
8. "Employment Segmentation, Labour Mobility and Mismatch: Spain, 1987-1993." DT 98-04, FEDEA. Coauthors: S. Castillo and J.F. Jimeno, 1998.

9. “Replacement Echoes in Durable Goods Purchases.” DT 97-15, FEDEA. Coauthor: R. Boucekkine, 1997.
10. “La demanda de automóviles en España: Un análisis de la evolución y variabilidad de las tasas de reemplazo.” DT 97-12, FEDEA. Coauthor: A. R. Sampayo, 1997.
11. *Investment and the Stock Market in Quantity Rationing Models*, Ph.D.Thesis, *Université Catholique de Louvain*, 1990.
12. “Uncertainty and Tobin’s q in a Monopolistic Competition Framework.” WP 9003, Département des Sciences Economiques, *Université Catholique de Louvain*, 1990.
13. “Le modèle de portefeuille dans le cadre d’une économie en déséquilibre: Le cas d’anticipations exogènes de régimes futurs.” WP 8902, Département des Sciences Economiques, *Université Catholique de Louvain*, 1989.
14. “Real Disequilibrium and Financial Equilibrium.” WP 8915, Département des Sciences Economiques, *Université Catholique de Louvain*, 1989.

Other Professional Experiences

- 2018 – 2020 : Member of the Expert Group on R&D Economic Modelling, DG for Research and Innovation, European Commission, Brussels
- 2013 – ... : Director of the RIDGE Summer School
- 2013–2014: Vice Director of the *Instituto de Análisis Económico* (CSIC), Spain
- 2012–2017, Member of the Advisory Board of the Graduate Campus, University of Zurich
- 2005–2008: Member of the Council of the *Spanish Economic Association*
- 1994–2001: Organizer of the FEDEA’s seminar
- 1995–1997: Chairman of the Standing Committee for Students Affairs, *European Economic Association*
- 1992–1994: Coordinator of the students exchange program ERASMUS, *Universidad Carlos III de Madrid*, Spain
- Past Associate Editor of *Annales d’Economie et de Statistique*, *Investigaciones Económicas* and the *Spanish Economic Review*
- Referee for *American Economic Review*, *Annales d’Economie et de Statistique*, *BE Journals in Economics*, *Economica*, *Economic Inquiry*, *Economic Journal*, *Economic Letters*, *Economic Modelling*, *Economic Theory*, *European Economic Review*, *International Economic Review*, *Investigaciones Económicas*, *Journal of Development Economics*, *Journal of Economic Dynamics and Control*, *Journal of Economic Growth*, *Journal of Economics*, *Journal of Economic Theory*, *Journal of Empirical Finances*, *Journal of the European Economic Association*, *Journal of International Economics*, *Journal of Macroeconomics*, *Journal of Mathematical Economics*, *Journal of Political Economy*, *Journal of Population Economics*, *Journal of Public Economics*, *Journal of Public Economic Theory*, *Macroeconomic Dynamics*, *Oxford Economic Papers*, *Recherches Economiques de Louvain*, *Review of Economic Dynamics*, *Review of Economic Studies*, *Revista de Economía Aplicada*, *Scandinavian Journal of Economics*, *Scottish Journal*, *Southern Economic Journal*, *Spanish Economic Review*, among others
- Research Fellow
 - LACEA 25th Anniversary Associate

- Asociación Española de Economía
- CESifo
- REDg (Research on Economic Dynamics group), Spain
- IRES, *Université Catholique de Louvain*, Belgium
- FEDEA
- Administrative duties at the *University of Nottingham*, UK
 - Co-director CFCM, 2018 – ...
 - Co-director PhD Program, 2018 – ...
 - Placement Officer, 2016–2018
- Administrative duties at the *European University Institute*, Italy
 - Director of Graduate Studies, 2001 – 2003 and 2007 – 2008
 - Admissions Officer, 2003 – 2005
 - Local coordinator of the European Doctoral Programme in Quantitative Economics, EDP, 2004 – 2006
 - Organizer of the Macro Workshop, 2001-2008, the Money Group, 2003-2004, the Informal Working Group in Macroeconomics, 2002-2006, the Reading Group on Trade and Firm Dynamics, 2007-2009
- Conference Organizer/Co-organizer
 - World Congress International Economic Association (Bali, virtual), July 2-6, 2021
 - 2020 RIDGE Virtual Forum, December 7-18, 2020
 - 2019 RIDGE December Forum, Montevideo (Uruguay), December 9-19, 2109
 - 2019 RIDGE May Forum, Medellin (Colombia), May 20-24, 2019
 - 2018 RIDGE December Forum, Montevideo (Uruguay) and Buenos Aires (Argentina), December 4-14, 2108
 - 2018 RIDGE May Forum, Montevideo (Uruguay), May 21-25, 2018
 - 2017 RIDGE December Forum, Montevideo (Uruguay) and Buenos Aires (Argentina), December 4-19, 2107
 - 2017 RIDGE May Forum, Montevideo (Uruguay), May 22-26, 2107
 - World Congress International Economic Association (Mexico), June 19-23, 2017
 - JRC-IEA Roundtable on “Macroeconomic Modelling for R&D and Innovation” European Commission (Brussels), March 17-18, 2017
 - 2016 RIDGE December Forum, Montevideo (Uruguay), Buenos Aires (Argentina) and Rio (Brazil), December 6-20, 2106
 - 2016 RIDGE May Forum, Montevideo (Uruguay), May 23-27, 2106
 - 2015 RIDGE December Forum, Montevideo (Uruguay) and Buenos Aires (Argentina), December 15-19, 2015
 - IEA-RIDGE Roundtable on “Economic Development and Growth 100 years after Arthur Lewis Birth” Santa Cruz (Bolivia), October 14, 2015
 - X REDg Dynamic General Equilibrium Macroeconomics Workshop, Barcelona, October 9-10, 2015
 - Workshop on “Labor Markets in the Macroeconomy: A Tribute to Henri Sneessens.” Member of the Scientific Committee. Université catholique de Louvain, Belgium, May 18, 2015

- 2015 RIDGE March Forum, Montevideo (Uruguay), March 23-27, 2105
- 2014 RIDGE December Forum, Montevideo (Uruguay), December 8-12, 2104
- 17th World Congress of the International Economic Association, Jordan, June 6-10, 2014
- IEA-BCU Roundtable on “Capital Flows, Capital Controls and Monetary Policy,” Banco Central del Uruguay, December 7-8, 2013
- Barcelona GSE Summer Forum, Barcelona, June 10-26, 2013; June 9-23, 2014; and June 8-22, 2015
- I to XXIII Workshops on Dynamic Macroeconomics, *Universidad de Vigo*, Sotomayor, Spain, June or July, 1998 to 2018
- I to VII Workshops on Towards Sustained Economic Growth: Evidence and Theory, Barcelona GSE Summer Forum, Spain, October 2010 and 2011, and June 2013, 2014, 2015, 2016 and 2018.
- I to IV, VI, VIII and X *REDg Workshop* on Dynamic General Equilibrium Macroeconomics: *Universidad de Santiago*, Santiago de Compostela, April 2006-2007; *FEDEA*, Madrid, May 2008; *Universidad Autonoma de Barcelona*, September 2009; *IAE-CSIC*, September 2011; *UAB-MOVE*, September 2013, ; *IAE-UAB-MOVE*, October 2015.
- Euro-Latin Study Network on Integration and Trade (ELSNIT)
 - * 1st Conference, *Universitat Pompeu Fabra*, Barcelona, November 2003
 - * 2nd Conference, *European University Institute*, Florence, October 2004
 - * 3rd Conference, *Kiel Institute for World Economics*, Kiel, October 2005
 - * 4th Conference, *CEPII*, Paris, October 2006
 - * 5th Conference, *Universitat Pompeu Fabra*, Barcelona, October 2007
 - * 6th Conference, *European University Institute*, Florence, October 2008
- Uppsala Workshop on Trade, Technology and Heterogeneous Firms, Uppsala University, Sweden, June 2010
- EUI-IMT Workshop on Trade, Firm Dynamics and Growth, Lucca, June 2009
- EUI-IZA Workshop on Firm Dynamics, Labor Markets and Growth, Bonn, July 2007
- EUI-IZA Workshop on Demographic Change and Secular Transition, Bonn, September 2006
- 2005 SAET Conference. Organizer of the invited session: “Economic Growth,” Baiona, Spain, June-July 2005
- Encuentro de Jóvenes Economistas. Organizer of the invited sessions: “Human Capital, Life Expectancy and the Process of Development” and “Education and Growth,” Santiago de Compostela, Spain, September 2004
- Summer Meeting of Economic Analysis. Organizer of the invited sessions: “Lumpy Investment and Durable Purchases” and “Topics in Technology Adoption and Growth.” Universidad de Vigo, Spain, September 2003
- Conference on “Lumpy Investment, Durable Purchases and Technical Change,” FEDEA, Madrid, June 2003
- European Conference on “Dynamic Macroeconomics and Time Series,” *European University Institute*, Italy, October 2002
- Member of the Programme Committee of the European Economic Association Annual Congress, 2006-2007
- Member of the Programme Committee of the XXXV to XXXIX Simposio de Asociación Española de Economía, 2010-2014
- Member of the Programme Committee of the XXV Simposio de Análisis Económico, Barcelona, 2000

- Local organizer of the EEA Summer School on “The Political Economy of Reforms,” Madrid, Spain, September 1997
- “Third International Conference on Economic Theory: Growth and Business Cycles,” Santiago de Compostela, Spain, July 1996
- “First International Conference on Economic Theory: Alternative Approaches to Macroeconomics,” Madrid, July 1994
- Project Coordinator
 - Founder of the *Research Institute for Development, Growth and Economics* (RIDGE), an initiative of the International Economic Association, supported by the Uruguayan Government
 - Scientific Leader of the *Severo Ochoa Research Excellence Accreditation* awarded to the Barcelona GSE, 2011-2012 (5,000,000 euro)
 - Coordinator of the project *Technologia, Capital Humano, Innovación y Crecimiento*, funded by the Spanish Ministry of Economics, 2014-2016
 - Coordinator of the project *Vintage Capital* funded by the Spanish Ministry of Sciences and Technology, 2010-2013
 - Member of the Steering Committee of the Euro-Latin Study Network on Integration and Trade, Inter American Development Bank, 2002-2008
 - Local coordinator of the EC RTN project *Macroeconomic Policy Design for Monetary Unions*, 2003-2006
 - Coordinator of the project *Vintage Capital* funded by the Spanish Ministry of Sciences and Technology, 2000-2003
 - Spanish coordinator of the EC HCM project *Imperfect Competition in Intertemporal General Equilibrium Macro-Models*, 1995-1997
 - Spanish coordinator of the EC SPES project *Monopolistic Competition, Disequilibrium and Macroeconometric Models*, 1992-1994

Thesis Supervision

1. Luis Puch, U. Carlos III de Madrid (defended 1996), *Essays on Economic Dynamics*. Jointly supervised with Javier Díaz-Giménez. Professor, Universidad Complutense de Madrid
2. Fernando del Río, U. Carlos III de Madrid (defended 2000), *Monopolistic Competition in Overlapping Generations Models and Embodied Technical Progress in Vintage Capital Models*. Jointly supervised with Raouf Boucekkine. Associate Professor, Universidad de Santiago de Compostela, Spain
3. Antonio Rodríguez-Sampayo, U. de Santiago (defended 2003), *The Replacement of Physical Assets: An Application to Durable Goods*. Associate Professor, Universidad de Santiago de Compostela, Spain
4. Julien Prat, European University Institute (defended 2004), *Models of the Labor Market with Diffusion Processes*. Second supervisor. CNRS Researcher, Head of Academic Chair “Blockchains and Platforms,” CREST, Paris
5. Gabriel Felbermayr, European University Institute (defended 2004), *Essays on Economic Growth and International Trade*. President of the Kiel Institute for the World Economy, Germany
6. Bergljot Barkbu, European University Institute (defended 2005), *Essays on Prices*. Jointly supervised with Katarina Juselius. IMF’s Deputy Resident Representative to the European Union

7. Laura Vartia, European University Institute (defended 2006), *Essays on Financial Conditions, Firm Dynamics and Plant Survival*. Financial Counsellor at the Permanent Delegation of Finland to the OECD
8. Antonio Navas-Ruiz, European University Institute (defended 2006), *Trade Liberalization, Increase in Competition and Economic Growth*. Lecturer, University of Sheffield, UK
9. Mauro Bambi, European University Institute (defended 2007), *Essays on Growth Theory*. Associate Professor, Durham University, UK
10. Aurelien Saidi, European University Institute (defended 2007), *Increasing Returns to Scale, (In)determinacy and Welfare*. Affiliate Professor, ESCP Europe, and Assistant Professor, Paris Nanterre University, France
11. Stephan Fahr, European University Institute (defended 2007), *Essays on Innovations, Technology and the Labor Market*. Principal Financial Stability Expert, Macro Prudential Policy & Financial Stability Division, European Central Bank, ECB
12. Davide Sala, European University Institute (defended 2007), *Three Essays on International Trade*. Assistant Professor, University of Passau, Germany
13. Alain Gabler, European University Institute (defended 2007), *On the Macroeconomics of Firm Entry and Exit*. Head of International Policy Analysis at Swiss National Bank, Switzerland
14. Markus Poschke, European University Institute (defended 2007), *Firm Heterogeneity and Macroeconomic Performance*. Associate Professor & William Dawson Scholar, McGill University, Canada
15. Michael Wycherley, European University Institute (defended 2007), *Macroeconomics Growth and Technology Adoption*. Assistant Professor, Trinity College, Dublin
16. Daria Denti, European University Institute (defended 2008), *R and D in R&D Endogenous Growth and Welfare*. Social Science Gran Sasso Science Institute (GSSI), Italy
17. Teodora Borota, European University Institute (defended 2009). *North-South Trade and Growth: The Role of Product Quality*. Associate Professor, Uppsala University, Sweden
18. Sarah Stolting, European University Institute (defended 2010), *Three Essays on International Trade*. European Investment Bank, Luxembourg
19. Cristiana Benedetti, European University Institute (defended 2011). *Essays on Firm Dynamics, Endogenous Growth, International Trade and Transitional Dynamics*. European Commission, Brussels
20. Miguel Sanchez, European University Institute (defended 2012). *Three Essays on Macroeconomics*. European Commission, Brussels
21. Ali Saadatnia, IDEA, Universidad Autónoma de Barcelona (defended 2015). *Essays on Firm Dynamics and International Trade*
22. Carlos Casacuberta, Universidad de Santiago de Compostela (defended 2017). Associate Professor, dECON, Universidad de la República, Uruguay
23. Apoorva Gupta, University of Nottingham (defended 2019). Co-supervisor Richard Kneller. Postdoc at DICE, University of Duesseldorf, Germany
24. Francesca Vinci (defended 2020), University of Nottingham. Co-supervisor Giammario Impullitti. Graduate Program Participant, European Central Bank, ECB
25. Carolina Gomez-Cuenca (starting 2017), University of Nottingham. Co-supervisor Kevin Lee
26. Fahad Kazmi (starting 2017), University of Nottingham. Co-supervisor Giammario Impullitti

27. Minsu Kim (starting 2017), University of Nottingham. Co-supervisor Yang Zu
28. Rachel Cho (starting 2018), University of Nottingham. Co-supervisor Markus Eberhardt
29. Luis Matto (starting 2018) University of Nottingham. Co-supervisor Giammario Impullitti