

LIONEL NESTA – RESUME

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Full Professor
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RESEARCH INTEREST

My research concerns the determinants of strategic decisions by firms and how the series of decentralised decisions translate into an aggregate dynamic. By strategic decisions, I mean decisions which may jeopardise firm survival or, conversely, enhance their growth, such as product diversification, R&D investments, price-costs margins, product or process innovation, and export participation. In my research, firms are heterogeneous in their efficiency and their determinants thereof. Hence, macro-economic growth and industry evolution conceals a complex web of microeconomic decisions by heterogeneous firms.

POSITIONS

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| 2016-present | Full Professor at the University Nice Sophia Antipolis, France. |
| 2015-2021 | Director of the Research Department on Innovation and Competition, Department for Research on Innovation and Competition, Observatoire Français des Conjonctures Economiques, Research Centre in Economics at SciencesPo Paris, located in Sophia Antipolis, France. |
| 2010-2014 | Deputy Director of the Research Department on Innovation and Competition, Department for Research on Innovation and Competition, Observatoire Français des Conjonctures Economiques, Research Centre in Economics at SciencesPo Paris, located in Sophia Antipolis, France. |
| 2005-present | Senior Economist at the Research Department on Innovation and Competition, Department for Research on Innovation and Competition, Observatoire Français des Conjonctures Economiques, Research Centre in Economics at SciencesPo Paris, located in Sophia Antipolis, France. |

ON-GOING RESEARCH

Threshold Policy Effects and Directed Technical Change in Energy Innovation (with E. Verdolini and F. Vona), Mimeo.

On Distributions, Thresholds, and Performance Gaps between Groups (with M. Cornelli, K. Kiyota and T. Matsuura), Mimeo.

Ready, set, go! A horse-race validation of firm financial constraints indicators (with S. Guillou and P. Sevestre), Mimeo.

SUBMITTED

Firm liquidity and solvency under the Covid-19 lockdown in France (with M. Guerini, X. Ragot and S. Schiavo), submitted to The Journal of Economic Behavior and Organization.

PUBLICATIONS

Journal Articles

The Fallacy in Productivity Decomposition (with S. Bruhn, T. Grebel), forthcoming in the Journal of Evolutionary Economics. *Cat. CNRS 2*.

A comparison of digital and non-digital firms acquisition behavior: An organizational learning perspective, (with J. Deperi, O. Bertrand), forthcoming in the European Management Journal. *Cat. CNRS 2*.

Distant but within sight. Firm-level evidence about productivity gaps between Germany and France (with T. Grebel and M. Napoletano), forthcoming in the Review of Income and Wealth. *Cat. CNRS 2*.

Can you jump this high? Quantifying barriers to market participation, with M. Guerini, P. Musso, Economic Modelling (98) pp. 192-217, doi: 10.1016/j.econmod.2021.02.017. *Cat. CNRS 2*.

Imports and Labour Market Imperfections: Firm-Level Evidence from France (joint with M. Caselli S. Schiavo), European Economic Review, 2021. doi: 10.1016/j.euroecorev.2020.103632. *Cat. CNRS 1*.

Blockchain as Schumpeter Mark 1 or Mark 2? An empirical analysis from blockchain job offers and skills (with M. Cimiterra and J. Krafft), Industrial and Corporate Change, [doi: 10.1093/icc/dtab009](https://doi.org/10.1093/icc/dtab009). *Cat. CNRS 1*.

Competition and private R&D investment, 2020, (with Thomas Grebel). PLoS ONE 15(5):e0232119. <https://doi.org/10.1371/journal.pone.0232119>. *Hors Cat. CNRS*.

What's Behind the Figures? Quantifying Cross-Country Productivity Gap of Exporters (with K. Kiyota and T. Matsuura), in Economic Inquiry 2019 57, pp. 1256-1271. *Cat. CNRS 2*.

Markups and markdowns (with M. Caselli and S. Schiavo), 2018, *Economic Letters* 173, pp. 104-107. *Cat. CNRS 3*

The multifaceted evolution of industries: sectoral and firm level evidence (with M. Napoletano), Editors of the Special Issue, *Industrial and Corporate Change* 2016. *Cat. CNRS 1.*

International trade and firm-level markups when location and quality matter (with Flora Bellone, Patrick Musso, Frédéric Warzynski), *Journal of Economic Geography* 2014. *Cat. CNRS 1.*

Substitutability and complementarity of technological knowledge and inventive performance of semiconductor companies (with M. Nasyiar and L. Dibiaggio), *Research Policy* 43(9) 2014, 1582-1593. *Cat. CNRS 1.*

International Productivity Gaps and the Export Status of Firms: Evidence from France and Japan (with F. Bellone, K ; Kiyota, T. Matsuura and P. Musso), *European Economic Review* 70(August) 2014, 56-74. *Cat. CNRS 1.*

The Moderating Role of Complementary Technological Resources in the Diversification-Performance Relationship (with M. Nasyiar and L. Dibiaggio), *Industrial and Corporate Change* 23(5) 2014, 1357-1380. *Cat. CNRS 1.*

Environmental Policies, Competition and Innovation in Renewable Energy (with F. Vona and F. Nicolli), *Journal of Environmental Economics and Management* 2014, 67(3): 396-411. *Cat. CNRS 1.*

Désindustrialisation ou mutation industrielle ? Un commentaire sur le texte « Ampleur et principaux déterminants du recul de l'emploi industriel en France entre 1980 et 2007 : un état des lieux », de Lilas Demmou, 2011, *Economie et Statistique*. *Cat. CNRS 3.*

L'impact des contraintes financières sur les performances à l'exportation des entreprises françaises, 2011, (with F. Bellone, P. Musso, and S. Schiavo) *Economie et Statistique*, 435-436, pp. 65-83. *Cat. CNRS 3.*

Pre-entry Experience, Post-entry Learning and Firm Survival: Evidence from the Local Area Networking Switch Industry, 2010, (with R. Fontana), *Structural Change and Economic Dynamics* 21(1), 41-49. *Cat. CNRS 4.*

Financial Constraints and Firm Export Behaviour, 2010, (with F. Bellone, P. Musso, and S. Schiavo) *The World Economy*, 33(3), 347-373. *Cat. CNRS 2.*

Product Innovation and Survival in a High Tech Industry, 2009, (with R. Fontana), *Review of Industrial Organization* 34(4): 287-306. *Cat. CNRS 2.*

Interpreting the yield of transit surveys: Are there groups in the known transiting planets population? (with F. Fressin and T. Guillot), *Astronomy and Astrophysics* 504(2), 605-615. *Hors Cat. CNRS for Economics.*

The U-shaped Productivity Dynamics of French Exporters, 2008, (with F. Bellone, P. Musso and M. Quéré), *Review of World Economics* 144, 636-659. *Cat. CNRS 2.*

Schumpeterian Perspectives on Innovation, Competition and Growth, 2008, (with U. Cantner and J.L. Gaffard), *Journal of Evolutionary Economics* 18(3): 291-293. *Cat. CNRS 2.*

The Micro-Foundations of Industry Evolution, 2008, (with G. Dosi and J.L. Gaffard), *Industrial and Corporate Change* 17(4): 601-609. *Cat. CNRS 1*

Market Selection Along the Firm Life Cycle, 2008, (with F. Bellone, P. Musso and M. Quéré) *Industrial and Corporate Change* 17(4): 753-777. *Cat. CNRS 1.*

Exports and Productivity – Comparable Evidence for 14 Countries, 2008, (with the International Study Group on Exports and Productivity) *Review of World Economics*, 144(4), 596-635. *Cat. CNRS 2.*

Knowledge and Productivity in the World's Largest Manufacturing Corporations, 2008, *The Journal of Economic Behavior and Organization* 67(3): 886-902. *Cat. CNRS 2.*

Labour Mobility of Academic Inventors. Career Decision and Knowledge Transfer, 2007, (with G.A. Crespi and A. Geuna), *Journal of Technology Transfer* 32: 195-215. *Cat. CNRS 3.*

Everything you Always Wanted to Know about Inventors (but Never Asked): Evidence from the PatVal-EU Survey, *Research Policy* 36(8), 1107-1127,(2007), with Giuri, P, Mariani, M., Brusoni, S., Crespi, G., Francoz, D., Gambardella, A., Garcia-Fontes, W., Geuna, A., Gonzales, R., Harhoff, S., Hoisl, K., Le Bas, C., Luzzi, A., Magazzini, L., Nomaler, O., Palomeras, N., Patel, P., Romanelli, M. and B. Verspagen. *Cat. CNRS 1.*

University Patenting and its Effects on Academic Research: the Emerging European Evidence, 2006, (with A. Geuna), *Research Policy* 35(6): 790-807. *Cat. CNRS 1.*

Knowledge Integration and Market Value in Biotechnology, 2006, (with P.P. Saviotti), *Industrial and Corporate Change* 15: 625 - 652. *Cat. CNRS 1.*

Product Entry in a Fast Growing Industry: The LAN Switch Market, 2006, (with R. Fontana), *Journal of Evolutionary Economics* 16(1-2): 45-64. *Cat. CNRS 2.*

Patents Statistics, Knowledge Specialisation and the Organisation of Competencies, 2005, (with L. Dibiaggio), *La Revue d'Economie Industrielle* 10 (2): 103-126. *Cat. CNRS 3.*

The Coherence of the Knowledge Base and the Firms' Innovative Performance. Evidence from the Bio-Pharmaceutical Industry, 2005, (with P.P. Saviotti), *Journal of Industrial Economics* 53(1): 123-142. *Cat. CNRS 1.*

The Knowledge Base of the Firm in Biotechnology based Sectors: Properties and Performance, 2003, (with P.P. Saviotti P.P., M.A. de Looze and N. Maupertuis), *International Journal of Biotechnology* 5(3): 371-401. *Hors Cat. CNRS.*

Technology Strategy and Knowledge Dynamics: The Case of Biotech, 2003, (with L. Dibiaggio), *Industry and Innovation*, 10(3): 331-349. *Cat. CNRS 3.*

What kind of Knowledge can a firm absorb?, 1998, (with V. Mangematin), *International Journal of Technology Management* 18(3): 149-172. *Cat. CNRS* 3.

Book Chapters

Guerini, M., Nesta, Ragot, X., S. Schiavo (2021), Dynamique des défaillances d'entreprise en France et crise de la Covid-19, in *L'économie Française 2020*, Coll. Repères La documentation Française, Paris.

Guerini, M., Napoletano, M., et L. Nesta (2018), Dynamique et synchronisation des industries manufacturières de l'Union Européenne, OFCE, coll. Repères La documentation Française, Paris.

Gaffard J-L., S. Guillou, and L. Nesta (2011), R&D and industrial policy, in *Handbook on the Economics and Theory of the Firm*, Dietrich, M., and Krafft, J., (eds), Edward Elgar: Cheltenham.

OFCE (2010), *L'industrie manufacturière française*, Guillou, S.(ed.), collection Repères, La découverte, Juin 2010.

Product Entry in a Fast Growing Industry: The LAN Switch Market, 2007, (with R. Fontana) in Cantner U., Malerba F. (eds.) *Innovation, Industrial Dynamics and Structural Transformation: Schumpeterian Legacies*, Springer.

Intangible Assets and Market Value, 2006, in Pyka, A., Hanusch, H. (eds.), *Applied evolutionary economics and the knowledge-based economy*, Edward Elgar, Cheltenham, UK.

Knowledge organization and firms specialisation in biotechnology, (with L. Dibiaggio), 2006, in Finch J.H., Orillard, M. (Eds), "Complexity and the Economy. Implications for Economic Policy", Edward Elgar.

National Patterns of Technology Accumulation: Use of Patent Statistics, 2004, (with P. Patel) in *Kluwer Handbook of Quantitative S&T Research*, Schmock, U. (Ed), Book Chapter.

Industry Life Cycle, Knowledge Generation and Technological Networks, 2002, (with V. Mangematin) in F. Gault, J. de La Mothe (Eds.), *Alliances, Networks, and Partnerships in the Innovation Process*. Kluwer Academic Press, Ottawa.

Edited Books and Special Issues

Industrial and Corporate Change (2016): (with M. Napoletano) "The multifaceted dimensions of industrial change: skills, firms and export dynamics".

Schumpeterian Perspectives on Innovation, Competition and Growth, (with U. Cantner and J.L. Gaffard) Springer Verlag, 2009.

Journal of Evolutionary Economics 18(3): Schumpeterian Perspectives on Innovation,

Competition and Growth, 2008, (with U. Cantner and J.L. Gaffard)

Industrial and Corporate Change 17(4): The Micro-Foundations of Industry Evolution, 2008, (with G. Dosi and J.L. Gaffard)

Revue de l'OFCE

Convergence des structures et des cycles économiques dans l'Union Européenne, 2018, M. Guerinia, M. Napoletano, and L. Nesta, La Revue de l'OFCE. *Cat. CNRS 4*.

Disparités locales et crise économique : éclairages préliminaires 2015, (with J.L. Gaffard), La Revue de l'OFCE. *Cat. CNRS 4*.

La crise de 2008 et la productivité totale des facteurs des entreprises françaises, 2015, (with S. Guillou), La Revue de l'OFCE. *Cat. CNRS 4*.

Concurrence et innovation: un défi pour l'Union européenne, 2014, (with J.L. Gaffard), La Revue de l'OFCE - Débats et politiques no. 134:249-257. *Cat. CNRS 4*.

Dossier : Taux de marge et concurrence internationale : Introduction, 2009, (with J.L. Gaffard and S. Guillou), La Revue de l'OFCE 108: 117-119. *Cat. CNRS 4*.

Innovation et sélection des firmes l'industrie des équipements en réseaux locaux, 2007, (with R. Fontana), La Revue de l'OFCE 100: 121-142. *Cat. CNRS 4*.

Caractéristiques et performances des firmes exportatrices françaises, 2006, (with Bellone P. Musso, and M. Quéré), La Revue de l'OFCE 98: 183-212. *Cat. CNRS 4*.

Productivity and Market Selection of French Manufacturing Firms in the Nineties, 2006, (with Bellone P. Musso, and M. Quéré), La Revue de l'OFCE, Special Issue on Industrial Dynamics, Productivity and Growth, 319-349. *Cat. CNRS 4*.

Intégration technologique et valeur boursière des firmes de biotechnologies, 2006, (with P. Saviotti) La Revue de l'OFCE 96: 211-233. *Cat. CNRS 4*.

GREY LITERATURE

Faillite d'entreprise: 2021: l'année de tous les dangers, Nesta, Lionel Alternative Economique. Janvier 2021

Firm liquidity and solvency under the Covid-19 lockdown in France, Guerini, Mattia and Nesta, Lionel and Ragot, Xavier and Schiavo, Stefano, OFCE Policy Brief 76

Dynamique des défaillances d'entreprises en France et crise de la Covid-19, Guerini, Mattia and Nesta, Lionel ,Ragot, Xavier and Schiavo, Stefano, OFCE Policy Brief 73

L'économie française 2021. Chapitre : Dynamique des défaillances d'entreprises en France et crise de la Covid-19, Guerini, Mattia and Nesta, Lionel and Ragot, Xavier and Schiavo, Stefano. Collection Repère.

Le changement climatique en France : croyances, comportements, responsabilités. Avec Z. Babutsidze. OFCE Policy Brief 43

Impôt sur les sociétés : état des lieux et effets différenciés de la réforme. Avec Mattia Guerini, Sarah Guillou, Xavier Ragot, et Evens Salies. OFCE Policy Brief 38.

Promoting the Energy Transition Through Innovation. Avec E. Verdolini et F. Vona 12 juillet 2017. Billet de blog.

L'état du tissu productif français : absence de reprise ou véritable décrochage ? DRIC OFCE, OFCE Policy Brief 6

Le CICE est-il le bon instrument pour améliorer la compétitivité française ? Avec S. Guillou, T. Treibich et R. Sampognaro. Billet de blog.

Géographie de chaînes de valeur mondiales et nouvelles rivalités économiques, avec F. Bellone, La lettre de l'INSHS, Mai 2021.

REFEREEING ACTIVITY

Economic Inquiry, Economie et Statistique, Economics of Innovation and New Technology, Energy Policy, Industry and Innovation, Industrial and Corporate Change, Journal of Economic Behavior and Organization, Journal of Evolutionary Economics, Journal of Industrial Economics, Long Range Planning, Papers in Regional Science, Regional Studies, Research Policy, Review of Income and Wealth, Review of World Economics, Revue d'Economie Industrielle, Southern Economic Journal, Structural Change and Economic Dynamics, Technovation, The World Economy.

PARTICIPATION TO CONFERENCES AND WORKSHOPS

- 2014 "Maximum Likely Estimation of Productivity Export Thresholds", (with P. Musso), Journée OFCE sur l'industrie, SciencesPo Paris, France, April 2014.
- 2013 "Maximum Likely Estimation of Productivity Export Thresholds", (with P. Musso), ISGEP workshop, University of Trento, Italy, September 2013.
- 2013 "Environmental Policies, Competition and Innovation in Renewable Energy", (with F. Nicolli and F. Vona), EMAEE Conference June 12 2013.
- 2012 "How does technological knowledge base explain firm heterogeneity?", (with M. Nasiriyar), Academy of Management Annual Meeting, Boston, Massachusetts. August 2012.
- 2011 "Quantifying the Productivity of Intangible Assets Using a Production Function Framework", (with M. Nasiriyar). DRUID Summer Conference, Copenhagen, Denmark. June 2011.

- 2011 "International Productivity Gaps and the Export Status of Firms: Evidence from France and Japan (with F. Bellone, K ; Kiyota, T. Matsuura and P. Musso), ETSG annual conference, Copenhagen, Denmark. September 8-10 2011.
- 2010 "Export Dynamics of French Manufacturing Firms", (with F. Bellone, P. Musso), Okinawa University Workshop, Japan, November 2010.
- 2010 "What is the impact of biotechnological knowledge on drugs productivity?", (with H. Guezguez and P. Patel), Technical Change: History, Economics and Policy. A Conference in Honour of Nick von Tunzelmann, University of Sussex, Falmer, UK. September 2010.
- 2010 "Technological assets as platforms for business diversification", (with M. Nasiryar, and L. Dibiaggio), DRUID Summer Conference, London, United Kingdom. June 2010.
- 2009 "Financial Constraints and Firm Export Behaviour", (with F. Bellone, P. Musso, and S. Schiavo), Workshop Banque de France-CEPII, « Les entreprises françaises et européennes dans la concurrence internationale, Paris, Banque de France, November, 25, 2009.
- 2009 "Coherence and Cohesion. The two faces of knowledge integration" (with M. Nasiryar, and L. Dibiaggio). Academy of Management Annual Meeting, Chicago, Illinois. August 2009.
- 2009 "Technological Platforms and business diversification", (with M. Nasiryar, and L. Dibiaggio). Academy of Management Annual Meeting, Chicago, Illinois. August 2009.
- 2009 "Technological Platforms, business diversification and Firm Performance" (with M. Nasiryar, and L. Dibiaggio). DRUID summer Conference, Copenhagen, Denmark, June 2009.
- 2008 "Properties of technological knowledge base and innovative performance: Evidence from the semiconductor industry", (with M. Nasiryar, and L. Dibiaggio). Schumpeter Society Conference, Rio de Janeiro, Brazil. June 2008.
- 2008 "Horizontal and vertical knowledge integration in Chemical and Pharmaceutical Research", (with P. Criscuolo). Schumpeter Society Conference, Rio de Janeiro, Brazil. June 2008.
- 2007 "Market Selection Along the Firm Life Cycle", with F. Bellone, P. Musso and M. Quéré, DRUID summer Conference, Copenhagen Denmark, June 18-20 2007.
- 2007 "Market Selection Along the Firm Life Cycle", with F. Bellone, P. Musso and M. Quéré, 1th ISGEP Workshop on Export and Productivity: International Comparisons, University of Nottingham, GEP, March 2007.

- 2007 "The U-shaped Productivity Dynamics of French Exporters", with F. Bellone, P. Musso and M. Quéré, First Annual EITI conference, Keio University, Tokyo, Japan, February 8-10,2007.
- 2006 "The U-shaped Productivity Dynamics of French Exporters", with F. Bellone, P. Musso and M. Quéré, Second Grenada Workshop on Economics, Grenada, Spain, November 17-18, 2006.
- 2006 "The U-shaped Productivity Dynamics of French Exporters", with F. Bellone, P. Musso and M. Quéré, European Trade Study Group 8th Annual conference, Vienna, Austria, September 7-9, 2006.
- 2005 "The Mobility of University Inventors" (with G. Crespi et A. Geuna), presented at the DRUID summer Conference, Copenhagen, Denmark, June 27-29 2005.
- 2005 "Spillovers, R&D intensity and Competitiveness of the World's Largest Manufacturing Corporations " (With P.P. Saviotti) presented at the EMAEE summer Conference, Utrecht, The Netherlands, May 19-21 2005.
- 2004 "Knowledge and Productivity in the World's Largest Manufacturing Corporations" presented at the Schumpeter Society Conference, Milan, Italy, June 9-12 2004.
- 2003 "Knowledge Bridges between Islands of Technologies. How do Firms Specialise in the Semiconductor Industry? Does it Matter?" (with L. Dibiaggio), presented at the Pavitt Conference "What Do We Know About Innovation?", Brighton, UK, November 13-15 2003.
- 2003 "Knowledge Integration and the Firm's Stock Market Value", (with P.P. Saviotti), presented at the EGOS conference, Copenhagen, Denmark, July, 3-5 2003.
- 2003 "Micro Evidence of Policy Effectiveness in Biotechnology Programmes" presented at the EPOHITE final Meeting Workshop, DG research, European Commission: Researcher in the co-operative project EPOHITE "Effectiveness of European Countries' Biotechnology Programmes", Paris, June 17 2003.
- 2003 "Knowledge Integration, Innovation and Firm Market Value" (with P.P. Saviotti) presented at the Workshop "The organisation of research and Innovation", Chalmers University of Technology, Goteborg, Sweden, May 19-20 2003.
- 2003 "Background Paper on Methods for Cluster Analysis", (with P. Patel), presented at the Trend Chart Policy Workshop "Innovative Hot Spots in Europe : Policies to promote trans-border clusters of creative activity", May 5-6 2003, Luxemburg.
- 2003 "The Knowledge Base of the Firm in Biotechnology based Sectors: Properties and Performance", (with P.P. Saviotti, M.A. de Looze and N. Maupertuis), presented at the Knowledge and Economic & Social Change Conference, Manchester, UK, April 7-9 2003.

- 2003 "Intangible Assets and the Market Value: Evidence from Biotechnology Firm", co-écrit avec P.P. Saviotti, presented at the EMAEE conference "The Knowledge-Based Economies - New Challenges in Methodology, Theory and Policy ", Augsburg, Germany, April 10-12 2003.
- 2002 "Biotech Maturing Sector Specialisation of Regions and Development of Biotech SMES", (With V. Mangematin and N. Massard), workshop organized by the Economic Dynamics of Knowledge Group: Bio-Sciences School of Technology Management and Economics Chalmers University of Technology, Goteborg, Sweden, September 25-27 2002.
- 2002 "Industry Life Cycle, Knowledge Generation and Technological Networks", (with V. Mangematin), presented at the R&D Management Conference, Louvain, Belgium, July 2002.
- 2002 "Industry Life Cycle, Knowledge Generation and Technological Networks", (with V. Mangematin), presented at "Canada Workshop on Alliances, Networks, and Partnerships in the Innovation Process", July 2002.
- 2002 "Knowledge Integration and the Firms' Innovative Performance. Evidence from the Bio-Pharmaceutical Industry". NewKind - Workshop, Maastricht, The Netherlands, March 11-12 2002.
- 2001 "The Coherence of the Knowledge Base and the Firms' Innovative Performance. Evidence from the Bio-Pharmaceutical Industry", (with P.P. Saviotti), presented at Journées Jeunes Chercheurs INRA, Paris France, December 20-21 2001.
- 1998 "Knowledge, competencies and the coherence of the knowledge base", (with P.P. Saviotti), presented at the Schumpeter Society Conference, Vienne, Austria, June 10-13 1998.
- 1998 "Innovation in Small and Medium Enterprises: The Missing Link", International Conference "High Technology Small Firms", (with V. Mangematin), TwenteThe Netherlands, June 5-6 1998.

INVITED SEMINARS

- 2015 "Firm Level Datasets: The Case of France." ISIGROWTH Meeting.
- 2015 "Markup Heterogeneity, Export and the Establishment of the Euro: Evidence from French Manufacturing Firms", (with Sarah Guillou), Research seminar at the department of economics, Keio University, Tokyo, Japan, July 2015.
- 2015 "Markup Heterogeneity, Export and the Establishment of the Euro: Evidence from French Manufacturing Firms", (with Sarah Guillou), Research seminar at the department of economics, University of Trento, Italy, June 2015.

- 2014 "Competitiveness of The French Manufacturing Industry and Public Policies", Workshop "From De-industrialization to the future of industries" organized by the Fondation France-Japon de l'EHESS & Bruegel, Brussels, Belgium. November 28, 2014.
- 2014 "Maximum Likely Estimation of Productivity Export Thresholds", (with P. Musso), Research seminar at the department of economics, University of Ilmenau, Germany, November 2014.
- 2014 "Maximum Likely Estimation of Productivity Export Thresholds", (with P. Musso), Research seminar at the department of economics, University of Trento, Italy, June 2014.
- 2013 "Environmental Policies, Competition and Innovation in Renewable Energy", (with F. Nicolli and F. Vona), Research seminar at SPRU, University of Sussex, UK, April 12 2013.
- 2009 "Horizontal and vertical knowledge integration in Chemical and Pharmaceutical Research" (with P. Criscuolo), Research seminar at SPRU, University of Sussex, UK, June 5 2009.
- 2008 "The Moderating Role of Complementary Technological Resources in the Diversification-Performance Relationship ", (with M. Nasiryar and L. Dibiaggio). Collegio Alberto, Torino, Italy, December 2008.
- 2006 "Knowledge and Productivity in the World's Largest Manufacturing Corporations" presented at the University of Jena, Germany, December 2006.
- 2005 "Recent Trends in Firms Productivity: Entry and Exit Pattern in French Manufacturing", with F. Bellone, P. Musso and M. Quéré, Utrecht, The Netherlands, November 10-11 2005.
- 2005 "Knowledge and Productivity in the World's Largest Manufacturing Corporations" presented at Groningen University, The Netherlands, April 2005.
- 2004 "Knowledge and Productivity in the World's Largest Manufacturing Corporations" presented at IDEFI, Sophia-Antipolis, Nice, France, October 15 2004.
- 2004 "The Use of Quantitative Methods in the analysis of Knowledge Organisation and Firm Performance: Evidence in Biotechnology-Related Industries" presented at CERAM, Sophia-Antipolis, France, October 11 2004.
- 2004 "Sectors Matter: Labour Productivity, Total Factor Productivity and Human Capital: Evidence from OECD countries.", SSDA, Brighton, UK, September 8 2004.

- 2004 “Knowledge and Productivity in the World’s Largest Manufacturing Corporations” presented at CESPRI, Bocconi University, Milan, Italy, April 22 2004 and at The University of Pavia, April 23 2004.
- 2004 “Intangible Assets and Market Value” presented at BETA, Université Louis Pasteur, Strasbourg, France, March 5 2004.
- 2003 “Knowledge Integration, Innovation and Firm Market Value” (with P.P. Saviotti) presented at the Research seminar “The organisation of research and Innovation”, Chalmers University of Technology, Goteborg, Sweden, May 19-20 2003.

INVITED PROFESSORSHIP

- 2015 *Econometric Estimations of Firm Markups*. Master course in Economics, Keio University, Tokyo, Japan.
- 2014-2019 *Econometric Estimations of Firm Markups*. Master course in Economics, University of Trento, Italy.
- 2009 *On the use of patent Statistics to measure the organisation of knowledge*. Jena Summer School on “Innovation and Uncertainty”, Germany.

TEACHING

- 2020-present *Macroeconomics 2*, L1, Université Côte d’Azur
- 2018-present *Microeconometrics of Imperfect Markets*, Master Expertise Economique, M2, Université Côte d’Azur
- 2018-present *Qualitative Dependent Variable Estimation Models*, Master Expertise Economique, M1, Université Côte d’Azur
- 2017-present *Intermediate Microeconomics*, SciencesPo Paris, L2.
- 2016-present *Macroeconomics 1*, L1, Université Côte d’Azur
- 2005-2020 *Macroeconomics*, Conférence de Méthode Cycle I SciencesPo (Campus Méditerranée Moyen Orient).
- Microeconomics*, Conférence de Méthode Cycle I SciencesPo (Campus Méditerranée Moyen Orient).
- 2007-2010 *Econometrics with Stata*, for PhD students (University of Nice Sophia Antipolis)

- 2007-present *Econometrics I and II*, for PhD students (SKEMA, Sophia Antipolis)
- 2007-present *Multivariate Statistics*, master students (SKEMA, Sophia Antipolis)
- 2009-2009 *Industrial Dynamics*, Master of Economics ((University of Nice Sophia Antipolis)

PHD SUPERVISION

Finished

- Johanna DEPERI. A theoretical and empirical analysis of the determinants of firm's acquisition behavior in the digital economy. July 2022.

In progress

- Anel KALIYEVA. *Three Essays on Firm dynamics, Market Distortions and Artificial Intelligence : Firm Level Evidence from France (début: 09/2021)*
- Giulia GADANI. *Three essays on environmental economics, political economy and economic geography (Started: 09/2021)*
- Isabel CAVALLI. Assessing the dynamics in the innovation-diffusion process and knowledge transfer (Started: 09/2020)
- Martin CIMITERRA. Blockchain and industry dynamics. Started: October 2019. Co-encadrant : Prof. C; Charlier, UCA-GREDEG.
- Marie SCIACCITANO. Environmental policies and competitiveness: An application to French firms. Début de thèse: October 2017. Co-encadrant : Prof. C; Charlier, UCA-GREDEG.

JURY PARTICIPATION

- Présidence de Jury de thèse de Doctorat de E.B. DELICIK, « L'interaction entre les caractéristiques du réseau de collaboration et les performances des inventeurs », 30 novembre 2022, Université Côte d'Azur
- Présidence de Jury de thèse de Doctorat de A. Corsini, «Scientific Networks and IDEX funding», 9 Septembre 2022, Université Côte d'Azur
- Jury de thèse de Doctorat de M. Deperi, « Trois essais sur la dynamique industrielle et les fusions-Acquisition dans l'économie numérique », 11 Juillet 2022, Université Côte d'Azur
- Présidence du Jury Habilitation à Diriger la Recherche, HDR de M. Z. Pezzoni «Micro-Dynamics of Scientific and Technological Knowledge Production », January 2021 Université Côte d'Azur
- Présidence de Jury de thèse de Doctorat de Lisa Menez, «Effects of commercial and technological integrations on regional agglomeration and welfare outcomes: the case of the European Union », décembre 2020, Université Côte d'Azur

- Jury de thèse de Doctorat de M. Cascarano « Three Essays on Credit Market Imperfections », March 2020, University of Trento, Italie
- Présidence du Jury de thèse de Doctorat de M. Le Mouel « L'évaluation Macroéconomique des Politiques de R&I de l'UE : L'Art et la Manière », 21 janvier 2019, Université Côte d'Azur
- Présidence du Jury Habilitation à Diriger la Recherche, HDR de M. Z. Babutsidze « Communication and consumer behavior », 2018, Université Côte d'Azur

ORGANISATIONS OF SEMINARS AND CONFERENCES

Co-organiser of the EMAEE conference (200 participants) : Forthcoming.

Co-organiser of the Conference in Honour of Jean-Luc Gaffard, University Nice Sophia-Antipolis, June 2017 (60 participants).

Co-organiser of the Workshop on Industry and Productivity, SciencesPo Paris. April 2014 (15 participants).

Co-organiser of the EMAEE conference 2013 (120 participants) : 10-12 June 2013.

Co-organiser of DIME international workshop TEMAFIC. Sophia-Antipolis. December 2010 (30 participants)

Co-organiser of the International Schumpeter Society Conference, Sophia-Antipolis, 2006 (360 participants), 21-24 June 2006.

Co-organiser of the workshop on Productivity, OFCE GREDEG, December 2005, 30 participants.

In charge of the SPRU seminar series, 2003-2004.

PARTICIPATION TO CONTRACTUAL RESEARCH

List of Contracts

- | | |
|---------|--|
| 2020-21 | Energy Transition, Digital Transformation, Imperfections and internationalization of markets TETRIIS (UCA) |
| 2019-21 | Innovation et recherche publique (MESRI, OFCE). |
| 2015-17 | European Research contract ISIGrowth. |
| 2016-17 | Contract with Fédération Nationale des Travaux Public. |
| 2015 | Research contract with France Stratégie on the evaluation of the CICE. |

- 2014-15 Research contract with the Communauté d'Agglomération de Sophia-Antipolis, CASA, local technopole authorities.
- 2004-05 DG Entreprise, European Commission: Researcher in the co-operative project "Benchmarking of Public Biotechnology Policy."
- 2004 Sector Skills Development Agency "Skills underlying innovation: A sectoral and International comparison".
- 2002-03 DG research, European Commission: Researcher in the co-operative project "The Value of European Patents: Empirical Models and Policy Implications based on a Survey of European Inventors."
- 2002-03 DG research, European Commission: Researcher in the co-operative project "European TrendChart on Innovation".
- 2003 DG research, European Commission: Researcher in the co-operative project "Efficiency of Biotechnology Programmes in EU Countries". SPRU. In collaboration with three European partners (ISI-Germany, TNO The Netherlands, INRA-France).
- 2003 OECD "PRO Patenting in European Countries: Is Public Research Changing."
- 2002-03 French Ministry of National Education "The Scientific and Technical Profiles of Regions"
- 2001-02 DG research, European Commission: Researcher in the co-operative project "Efficiency of Biotechnology Programmes in EU Countries". INRA-SERD. In collaboration with three European partners (ISI-Germany, TNO The Netherlands, SPRU-England).
- 1997-98 DG research, European Commission: Researcher in the co-operative project. "Inventory of European Countries' Biotechnology Programmes". In collaboration with three European partners (ISI-Germany, TNO The Netherlands, SPRU-England).

Contract Research Output

"Impact de la nature du financement de la recherche sur ses résultats" Rapport pour le MESRI. Faure, M.-A., Guillou, S., Kalash, B., Nesta, L., Pezzoni, M., Salies, E., 2022.

"Evolution du Technopole de Sophia-Antipolis", CASA contract, Forthcoming November 2015.

"Sectoral Knowledge Production Function in OECD Countries", co-written with G. Crespi and P. Patel. Final report for the European Commission. 2006.

"Analysis of University Industry Collaboration Relationships in the UK Preliminary Results of a Survey of University Researchers "co-written with P. d'Este and P. Patel. Final report for the EPSRC, the UK. 2005.

"SSDA Innovations Indicators: Interim Report", co-written with N. Jagger, V. Gerova et P. Patel. Report for the Sector Skills Development Agency. 2004

"The UK Survey on Patent Value (PatVal), Methodological Report" DG research, European Commission: Research in the co-operative project PatVal. Avril 2004.

"Efficiency of innovation policies in high technology sectors in Europe (EPOHITE)". Co-authored with Jane Calvert, Parimal Patel and Jacky Senker. DG research, European Commission: Research in the co-operative project EPOHITE. 2004.

"The Sectoral Innovation Scoreboard". With Parimal Patel and Anthony Arundel. DG research, European Commission: Research in the co-operative project TrendChart. 2003.

"Background Paper on Methods for Cluster Analysis". Co-authored with Parimal Patel. DG research, European Commission: Research in the co-operative project TrendChart. 2003.

"The Analysis of the Scientific and Technical Profiles of Regions" Report for the French Ministry of National Education". Co-authored with V. Mangematin, N. Massard, C. Autant-Bernard, M. Carrere, R. Coronini and S. Riou. 2003.

"PRO Patenting in European Countries: Is Public Research Changing?" OECD Consulting. March 2003.

"Effectiveness of European Countries' Biotechnology Programmes: Spanish Report". DG research, European Commission: Research in the co-operative project EPOHITE 2002.

"Effectiveness of European Countries' Biotechnology Programmes: Italian Report". DG research, European Commission: Research in the co-operative project EPOHITE 2002.

"Effectiveness of European Countries' Biotechnology Programmes: Working Paper on Actor Performance Indicators for Multinational Enterprises". DG research, European Commission: Research in the co-operative project EPOHITE 2001.

"Inventory of European Countries' Biotechnology Programmes: Analytical report". DG research, European Commission: Research in EU co-operative project. Co-authored with C. Enzing, et al. 1999.

"Inventory of European Countries' Biotechnology Programmes: The Case of France" DG research, European Commission: Research in EU co-operative project. Co-authored with P-B. Joly. 1998.

EDUCATION

2001 Ph.D in Applied Economics (highest honors), University of Grenoble, France.