

## CURRICULUM VITAE

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October 2024

### Frédérique FEVE

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**Current position** TSE Associate Faculty  
Foundation JJ Laffont  
Research Engineer

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PhD in Health Economics (Immunogenetics, Epidemiology & Public Health):  
«Economics and Statistics of Hematopoietic Stem Cell Donation: Contributions to the Optimization of Voluntary Donors Registries », University Toulouse III.

### Research Fields

Applied Econometrics  
Health Economics  
Postal Economics  
Industrial Organization

## PUBLICATIONS

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### Articles published or forthcoming

- “Proportional incremental cost probability functions and their frontiers”, *Empirical Economics*, 2023, 64:2721-2756, (with J.P. Florens and L.Simar).
- “Estimation of Conditional Ranks and Test of Exogeneity in Non Parametric Non Separable Models”, *Journal of Business and Economic statistics*, 2018,36,334-335 (with J.P. Florens and I. van Keilegom).

- “Implementation, Simulation and Bootstrap in Non Parametric Instrumental Variables Estimation”, *Journal of Econometric Methods*, 2017,63,1-25, (with J.P. Florens and S. Centorrino).
- “Nonparametric Instrumental variables Estimation for Efficiency Frontier”, *Journal of Econometrics*, 2016, 190, 345-355, (with C. Cazals, J.P. Florens and L. Simar).
- “Additive Nonparametric Instrumental Regressions: A guide to Implementation”, *Journal of Econometric Methods*, 2015, DOI 10.1515/jem-2015-0010 (with S. Centorrino and J.P. Florens).
- “Nonparametric Analysis of Panel Data Models with Endogenous Variables, *Journal of Econometrics*, 2014, 181(2) 151-164”, (with J.P. Florens).
- “Iterative Algorithm for Nonparametric Estimation in Instrumental Variables Quantiles”, *Economics Letters*, 2014, 123(3) 300-304 , (with J.P. Florens).
- « The Practise of Non Parametric Estimation by Solving Inverse Problems: The example of transformation models», *The Econometrics Journal*, 2010, volume 13 number 3, 1-27, (with J.P. Florens).
- « Une modélisation probabiliste des registres de donneurs de moelle osseuse et des banques de sang de cordon », *Revue Economique*, 2010/3(vol 61), 613-622, (with J.P. Florens).
- « Evaluation Economique de l’Organisation d’un Registre de donneurs de Cellules Souches Hématopoïétiques », *Revue d’Epidémiologie et de Santé Publique*, 2007, 55, 275-284, (with A. Cambon-Thomsen, J.F.Eliaou, P.A.Gourraud, C.Raffoux and J.P.Florens).
- «Model of Donors Registries Optimal HLA Composition », (with A.Cambon-Thomsen, P.A.Gourraud and J.P.Florens), *Genes and Immunity*, 2004, 5 (1), SP2-98.
- « Simple Structural Econometrics of Price Elasticities », *Economics Letters*, 2004, 86-1-6 , (with C. Cazals, P. Fève and J.P Florens).

### **Articles published in a book**

- "UK parcel traffic price elasticities: Intensive and extensive margins and selection bias " (in collaboration with T.Magnac and Soterios Soteri), 2023, (in collaboration with Thierry Magnac, Jonathan Pope and Soterios Soteri) *forthcoming* in eds Parcu, Pier Luigi, Timothy J.

Brennan, and Victor Glass, Proceedings of the 31st Conference on Postal and Delivery Economics

- "Demand elasticities at the intensive and extensive margins for advertising mail traffic in the UK" (in collaboration with T.Magnac and Soterios Soteri), 2020, The Changing Postal Environment: Market and Policy Innovation, edited by P.L. Parcu, T. Brennan and V.Glass. Springer International Publishing Switzerland, pp. 213-224.
- "How price sensitive is letter advertising mail in the UK?" (in collaboration with, L.Veruete-McKay,T. Magnac and Soterios Soteri), 2019, in New Business and Regulatory Strategies in the Postal Sector edited by P.L. Parcu, T. Brennan and V.Glass. Springer International Publishing Switzerland, pp. 207-217.
- "What are the Main Factors Driving International Contract Export Mail Sent From the UK to Western European Countries?" (in collaboration with T. Magnac, S. Soteri, and L. Veruete-McKay), 2018, in The Contribution of the Postal and Delivery Economics edited by P.L. Parcu, T. Brennan and V.Glass. Springer International Publishing Switzerland.
- « Uncertainty and Projections of the Demand for Mail » (with J.P.Florens, S. Soteri, F. Rodriguez and L. Veruete-McKay) , in Multi-Modal Competition and the Future of Mail, M.A. Crew and P.R. Kleindorfer (eds.), Edward Elgar, Northampton, USA, 2012, 77-93.
- « Econometric Models and the Evolution of Post-Offices Network » (with F. Boldron, JP. Florens, C. Panet-Amaro and C. Valognes), in Reinventing the Postal Sector in an Electronic Age, M.A. Crew et P.R. Kleindorfer (eds.), Edward Elgar, Northampton, USA, 2011, 163-172.
- "Forecasting Mail Volumes in an Evolving Market Environment", (with J.P. Florens, F. Rodriguez and S. Soteri), in *Heightening Competition in the Postal and Delivery Sector*, M.A. Crew and P.R. Kleindorfer (eds.), Edward Elgar, Northampton, USA, 2010, 116-134.
- "Internet advertising and direct mail: trends and analysis for the UK", (with J.P. Florens, F.Rodriguez, S. Soteri), in *Progress in the Competitive Agenda in the Postal and delivery sector*, M.A. Crew and P.R. Kleindorfer (eds.), Edward Elgar, Northampton, USA, 2008, 209-222.
- «Microeconomic Demand Modelling for Price Elasticities», Liberalization of the Postal and Delivery Sector, (with J.P. Florens and S. Richard), in Liberalization of the postal and delivery sector, M.A. Crew and P.R. Kleindorfer (eds.), Edward Elgar, Northampton, USA, 2006, 357-368.

- «Delivery Costs II : Back to Parametric Models», Regulatory and Economics Changes in the Postal and Delivery Sector, (with C. Cazals, J.P. Florens and B. Roy), in *Regulatory and Economic Challenge in the Postal and Delivery Sector*, M.A. Crew and P.R. Kleindorfer (eds.), Kluwer, Boston, 2004, 189-202.

### **Working papers and Work in progress**

- “Iterative estimation of nonparametric regressions with continuous endogenous variables and discrete instruments”, *Journal of Econometrics*, under third revision, (with J.P. Florens and S. Centorrino), 2024.
- « Simultaneous estimation of a regression and a frontier: The case of a cost function for the distribution of gaz”, (with Jean-Pierre Florens and Léopold Simar), 2023.
- “Econometrics of non linear pricing”, (with J.P. Florens and S. centorrino), 2019.
- "How many different HLA genotypes exist in a population", (with J.P. Florens), 2015.
- « Econometric models for non-addressed advertising delivery contracts”, (with S. Soteri, L. Veruete Mac-Kay, ROYAL MAIL et J.P.Florens), 2014.
- “A quantile analysis of the cost function of the French Delivery Offices”, (with JP Florens et A.Roset), 2014.
- “On some dynamic treatment models: Application to Alzheimer disease”, (with S. Centorrino, JP. Florens and S. Thiebault), 2013.
- « How many different HLA genotypes exist in a population ? », *GREMAQ working Paper*, (with J.P. Florens), 2006.
- “Matching Models and Optimal Registry for voluntary Organ Donation Registries”, *GREMAQ working Paper*, (with J.P. Florens), 2006.
- “Decisional aspects of the MADO project. New results coming from real data”, (with J.P. Florens), *GREMAQ working Paper*, 2004.
- «Attribute Choices and Structural Econometrics of Price Elasticity of Demand», (with P.Fève and J.P. florens), IDEI WP n°155, 2003.

- «A Moment Estimation of the Haplotypes Distribution using Genotypes Data», *GREMAQ working Paper*, (with J.P. Florens), 2003.
- Why suggest an economic model to compare efficiency of Cord Blood Bank versus registries ? a kind of WP7 POSEIDON introduction, 2003.
- *Efficiency of bone marrow donors' registries: some orders of magnitude*, *GREMAQ working Paper*, (with J.P.Florens), 2003.

## **Conferences**

"UK parcel traffic price elasticities: Intensive and extensive margins and selection bias " (in collaboration with T.Magnac and Soterios Soteri), 31st Conference on Postal and Delivery Economics held in Gdańsk, Poland, May 24 - 26, 2023.

"Demand elasticities for publishing mail traffic in the UK: Intensive and extensive margins", 29th Conference on Postal and Delivery Economics, on line, Sept 2021 (with Thierry Magnac, and Soterios Soteri).

"Demand elasticities at the intensive and extensive margins for advertising mail traffic in the UK ", 27th Conference on Postal and Delivery Economics, Dublin, 22 May – 25 May 2019 (with Thierry Magnac and Soterios Soteri).

"How price sensitive is letter advertising mail in the UK?", 26th Conference on Postal and Delivery Economics, Split, Croatia, 30 May – 2 June 2018, (with Thierry Magnac, Soterios Soteri and Leticia Veruete-McKay).

"What are the main factors driving the UK demand for mail traffic (letters and parcels) being sent to Western European countries?", 25th Conference on Postal and Delivery Economics, held on May 24–27, 2017 in Barcelona, Spain, (with Thierry Magnac and Leticia Veruete-McKay).

« Demand models with geolocalized variables », ninth bi-annual Postal economics conference on E-commerce, Digital Economy and Delivery services », (with J.P. Florens), Toulouse, France, *March 2016 and TSE Workshop*, Melbourne, *December 2016*.

"A Quantile Analysis of the Cost Function of French Delivery Offices", eight bi-annual Postal economics conference on E-commerce, Digital Economy and Delivery services », (with J.P. Florens and A. Roset), Toulouse, France, April 2014.

« Efficiency frontier and endogeneity », (with C. Cazals, JP. Florens and L. Simar), 5<sup>th</sup> French Econometrics Conference, TSE, Toulouse, France, November 2013.

“Econometrics of non linear pricing”, (with JP. Florens), 5<sup>th</sup> French Econometrics Conference, TSE, Toulouse, France, November 2013.

“Uncertainty and projections of the demand for mail”, (with J.P.Florens, F. Rodriguez, S. Soteri and L. Veruete-McKay) , 19th Conference on Postal and Delivery Economics, Jersey May 2011.

Econometric Models and the Evolution of Post-Offices Network, Conference on Postal and Delivery Economics, (with F. Boldron J.P. Florens, C. Panet-Amaro and C. Valognes), Porvoo, Finland, June 2010.

“How many different HLA genotypes exist in a population ?”, (with J.P. Florens), 57<sup>th</sup> of the International Statistical Institute, Durban, South Africa, August 2009.

“A Mathematical Model for Bone Marrow Donors Registries and Cord Blood Banks”, (with J.P. Florens), AFSE, Université Paris X Nanterre, France, september 2009.

“Forecasting Mail Volumes in an evolving Market Environment”, (with J.P.Florens, F. Rodriguez and S. Soteri), 17th Conference on Postal and Delivery Economics, Bordeaux, France May 2009.

“Building and evaluating recruitment strategies with a mathematical and economical approach: Matching models and optimal strategy for unrelated hematopoïetic stem cell donor registries and cord blood banks”, (with J.P.Florens), 22nd European Immunogenetics and Histocompatibility Conference – Special session: POSEIDON, Toulouse, France April 2008.

“Forecasting Mail Demand and Competition”, 5th Conference on « Regulation, Competition and Universal service in the Postal Sector», (with J.P.Florens, F. Rodriguez and S. Soteri), Toulouse, France, March 2008.

“Microeconomic demand modelling for price elasticities”, (with J.P. Florens, S.Richard), 14th Conference on postal and delivery Economics, Bern, Switzerland, May 2006.

“A Moment Estimation of the haplotypes distribution using genotypes data”, International Statistical Institute - Sydney, Australia, (with J.P. Florens), April 2005.

## CURRENT AND PAST RESEARCH ACTIVITIES

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GRDF (2019 - )

ENEDIS (2015-2018)

AVIESAN/INSERM (2015-2016)

GDF-SUEZ (2015)

LA BANQUE POSTALE (2014-2015)

IPANEMA (ANR) (2013- 2017)

ERDF (2012)

IBPT (Institut Belge des Services Postaux et des Télécommunications) (2011)

ROYAL MAIL (2003-2023)

LA POSTE (2002-2016)

Participation in two European projects:

MADO (2001-2005): *Optimisation of typing policies for European **MA**row **DO**nor Registries: socio-economic evaluation of molecular techniques and recruitment*

POSEIDON (2007-2012) : *Promoting Optimisation, Safety, Experience sharing and quality Implementation for Donation Organisation and Networking in Unrelated Haematopoietic Stem Cell Transplantation in Europe*