

Curriculum Vitae

Jean-Marc ROBIN

June 2008

1. Education/Qualifications

<u>Dates</u>	<u>Detail of degree; diploma; other qualification</u>	<u>Institution</u>
1984	Master	Ecole Nationale de la Statistique et de l'Administration Economique (ENSAE), Paris, France
1985	MPhil	Université Paris 1 Panthéon Sorbonne
1988	PhD	Paris 1
1994	Habilitation	Paris 1

2. Professional History (in chronological order)

<u>Dates</u>	<u>Detail of position held</u>	<u>Institution</u>
1988-1997	Research fellow (Chargé de recherches)	National Institute of Agricultural Research (INRA), France
1997-2002	Research director (Directeur de recherches)	INRA
2002 -	Professor of economics	Université Paris 1 Panthéon Sorbonne, Paris
2004 -	Professor of economics	UCL (part time appointment 40%)

3. Other Appointments and Affiliations

<u>Dates</u>	<u>Detail of position held</u>	<u>Institution</u>
1993-2002	Research fellow	CREST-INSEE
2000-2004	Associate editor	<i>Economic Journal</i>
2001-	Associate editor	<i>Journal of Applied Economics</i>
2001-	Associate editor	<i>Econometrica</i>
8/2004	Chair of the econometrics program	Econometric Society

2005-	committee Chair	European Meeting, Madrid European Winter Meeting of the Econometrics Society
2007- 12/2008	Co-editor Chair of the program committee	Econometrics Journal Conference EC ² , "Structural Microeconometrics", Roma

4. Prizes, Awards and other Honours

<u>Dates</u>	<u>Detail of prize, award or honour</u>	<u>Awarding/electing body</u>
1996	Prix Philip Morris pour la Science	
2006	Frisch Medal award ¹	Econometric Society
2007	Fellow of the Econometric Society ²	Econometric Society

5. Grants

1986 -1988 : Magnac, T. et J.-M. Robin, « Analyse des transitions entre emploi salarié et non salarié », rapport au Plan n°34/1988.

1993 - 1995 : Lechène, V., T. Magnac, J.-M. Robin et M. Visser, « Insertion des jeunes sur le marché du travail : outils d'analyse et analyses empiriques", rapport à la Délégation Interministérielle à l'Insertion des Jeunes, Avril 1995.

1993 - 1995 : Cases, C., G. Lanot, S. Lollivier, A. Pascal et J.M. Robin, « Contraintes financières, activité et chômage : une étude économétrique », rapport à la Direction de la Prévision, Juillet 95.

1994 -1998 : Bontemps, C., J.M. Robin, S. Roux, G. Van den Berg, « Modèles d'équilibre de recherche d'emploi », rapport au Plan n°23/94 et 24/94, Août 1994.

1998 – 2001 : Caroli, E., P.-P. Combes, T. Magnac, J.-M. Robin, « Structure économique et croissance locale », contrat Plan n°1.98.

2007- : I am co-investigator and research programme director of the ESRC Centre for Microdata Methods and Practice, "Cemmap" (grant reference RES-

¹ for "Wage Dispersion with Worker and Employer Heterogeneity", *Econometrica*, 70(6), 2295-350, jointly authored with Fabien Postel-Vinay. The Frisch Medal is awarded by the Econometric Society to encourage the creation of good applied work and its submission to *Econometrica*. It is given every two years for an applied article (empirical or theoretical) published in *Econometrica* during the past five years. Frisch prizes have been awarded to such famous researchers as Angus Deaton (Princeton), Jerry Hausman (MIT), Lars Peter Hansen (Chicago), Ariel Pakes (Harvard), David Newberry (Cambridge), Richard Blundell and Costas Meghir (UCL).

² The Econometric Society is the largest professional society in economics. Fellows are distinguished from regular members by cooptation. Less than 15 new fellows are elected every year from all around the world. I reckon that UCL's economics department counts 9 fellows (Attanasio, Binmore, Blundell, Chesher, Durbin, Jehiel, Laroque, Meghir, and Robin).

589-28-0001).

2007-: Research contract with the Direction de l'Animation de la Recherche, des Etudes et des Statistiques (DARES) of the French Ministère de l'Emploi et de la Solidarité (convention no. 4028). "Inégalités et mobilité salariales"

2007- : Contrat ANR (Projet n° BLAN07-2_219860). « Grade repetition. »

6. Invited talks

I have given many seminars in many places including Oxford, Cambridge in the UK, Columbia, NYU, Chicago, MIT, Harvard, Berkeley, Cornell, Penn, Penn State, Rochester, Boston University, Duke, South Carolina in the US, Université de Montréal, Laval in Canada, Tokyo university in Japan, and many other European universities.

Below, I list the most prestigious talks that I gave to large conference audiences or prestigious institutions.

<u>Date</u>	<u>Details</u>
8/2002	"The econometrics of equilibrium search models". ESEM, Venice.
6/2004	"Modeling Earnings Trajectories with Copulas. Earnings Inequality: France 1990-2002". Annual conference of the European Society of Population Economics.
8/2005	"Microeconomic Search-Matching Models and Matched Employer-Employee Data". World Congress of the Econometric Society in London.
11/2007	"Microeconomic Search-Matching Models and Matched Employer-Employee Data". Cowles Foundation Lunch Talks.
5/2008	« Earnings inequality and mobility ». Conference FRANCOIS-ALBERT-ANGER, Société Canadienne de Sciences Economiques (SCSE).

8. Academic supervision:

Below I give details of the students whom I have supervised in the past or whom I am currently supervising.

Most of my former students currently hold an academic position.

<u>Date</u>	<u>Details</u>
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<u>Defended</u>	
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1998	Christian Bontemps (Paris 1), « Modèles de recherche d'emploi d'équilibre ».
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- Christian is currently professor of economics at the university of Toulouse.*
- 2000 Christine Boizot (Paris 1), « La consommation de boissons à domicile »
Christine is currently « ingénieur de recherche » at the French National Institute of Agricultural Research (INRA).
- 2002 Laurent Gobillon (EHESS), « Mobilité Résidentielle et Marchés Locaux de l'Emploi »
Laurent is currently « chargé de recherches » (research fellow) at the French National Institute of Demographic Studies (INED).
- 2005 Stéphane Bonhomme (Paris 1), « Inégalités, mobilité »
Stéphane is currently assistant professor at CEMFI, Madrid.
- 2006 Estelle Viger (Paris 1), « L'évolution du rendement de l'éducation au cours des 20 dernières années »
Estelle currently works at the Direction de l'Animation de la Recherche, des Etudes et des Statistiques (DARES) of the French Ministère de l'Emploi et de la Solidarité.
- 2006 Sébastien Roux (Paris 1), « Mobilité salariale, contrats de travail et recherche d'emploi dans un marché du travail en équilibre »
Sébastien is an administrator of the French National Statistical Institute (INSEE).
- 2006 Grégory Jolivet (Paris 1), « Voluntary vs. constrained mobility: An analysis of job-to-job transitions ». Co-advisor with Pierre Cahuc.
Grégory is currently finishing a post-doc at the Tinbergen institute and has been hired as a lecturer at the university of Bristol.
- 2008 Ken Yamada (UCL), "Employment and fertility decisions of Japanese women"
Ken has been hired by the (School of Economics,) Singapore Management University, July 2008.

Not yet defended (probable defence date)

- 2008 Thibault Brodaty (Paris 1), « Inégalités salariales et demande d'éducation »
- 2008 Julien Guitard (Paris 1). Microeconometrics
Julien is currently an administrator of INSEE.
- 2008/9 Xavier d'Haultfoeuille (Paris 1). Econometric theory.

Xavier is also an administrator of INSEE.

- 2009 Mohamed Khaled (Paris 1), « Estimation bayésiennes des modèles à changement de régime stochastiques »
- 2009 Nicolas Roys (Cemmap), “Dynamic demand models with adjustment costs”
- 2009 Andrew Shephard (UCL-IFS). Co-supervision with Richard Blundell.
- 2010 Raul Sampognaro (Paris 1)
- 2010 Luke Haywood (Paris 1)

7. Research (including publications).

General presentation of my research

I am doing research in microeconometrics. I produced a few papers in econometric theory ([20, 37, 38]) but that is not my main comparative advantage. What I do best is using economic theory to construct behavioural models or equilibrium microeconomic models of markets and estimating them on survey data before running some policy experiments. One can thus qualify my paradigmatic approach to economics as structural.

I now comment on my main research topics.

- **Equilibrium search**

My main accomplishment is my work on modelling labour markets with informational frictions. This includes papers [19, 22, 24, 28, 31, 34, 40, 41, 42]. One of these papers was published in *Econometrica* and received the Frisch Medal award (see section 5). My work goes a long way toward the construction of realistic equilibrium models of the labour market with heterogeneous, forward looking workers and firms, offering a credible description and understanding of the huge wage dispersion present in the data.

The following two papers have had a significant influence:

- [22] Bontemps, C., J.M. Robin, G. Van den Berg (2000), «Equilibrium Search with Continuous Productivity Dispersion: Theory and Nonparametric Estimation», *International Economic Review*, vol.41, n°2, pp 305 -358.

This paper invented a method for estimating a type of equilibrium model of the labour market (the Burdett-Mortensen wage posting model) that is now employed by most researchers using this model.

- [25] Postel-Vinay, F., J.-M. Robin (2002), «Equilibrium Wage Dispersion

with Heterogeneous Workers and Firms», *Econometrica*, vol. 70, 1295-1350.

This is the Frisch medal paper. In this paper we propose an alternative wage setting mechanism to that of the previously mentioned Burdett-Mortensen wage posting model. In some professions it is more realistic that the wage-posting model and offers a natural generalisation of the standard competitive model with informational frictions. It is also considerably more tractable and allows for a more realistic description of worker and firm heterogeneity. This paper was followed by a sequel ([31]), also published in *Econometrica*, which significantly extends the first model.

- Earnings inequality

Another important research programme deals with measuring earnings inequality and earnings mobility. My research aims at incorporating mobility into a measure of long term inequality that enables one to study changes of long term earnings inequality over time or across countries (references [25, 30, 35, 39] below).

This research has generated some interesting theoretical work on factor models and deconvolution estimators ([37, 38]).

- Consumer econometrics

My research on consumption has given rise to a few interesting work. I did useful research on modelling infrequent purchases, with important applications to industrial organisation and marketing ([5, 6, 23]), and on demand systems ([17, 21]).

List of publications

[1] Robin, J-M, L. Lévy-Garboua (1988), «Représentations implicites des goûts dans les modèles dynamiques de demande», *Revue Economique*, n°1, Janvier, pp. 33- 55.

[2] Robin, J-M (1988), «Disparités régionales des prix des produits alimentaires», *Cahiers d'Economie et de Sociologie Rurales*, n°9, pp.5-24.

[3] Magnac, T, J-M Robin (1990), «Las teorías economicas de la movilidad profesional», *Economia Publica*, n°1, pp. 115-130.

[4] Meghir, C, J-M Robin (1992), «Frequency of purchase and the estimation of demand systems», *Journal of Econometrics*, vol 53, pp. 53-85.

[5] Postel-Vinay, G., J-M. Robin (1992), «Eating, Working and Saving in an Unstable World: Nineteen Century France», *The Economic History Review*, vol.

XLV, n°3, pp 494-513.

- [6] Robin, J-M(1993), «Econometric analysis of the short run fluctuations of household purchases», *Review of Economic Studies*, vol 60, pp. 923-934.
- [7] Robin, J.-M. (1993), «Consumption Dynamics and Panel Data: A Survey», in L. Matyas and P. Sevestre, eds, *Econometrics of Panel Data*, Kluwer.
- [8] Nichèle, V., J.-M. Robin (1993), «Evaluation des effets budgétaires et redistributifs de réformes de la fiscalité indirecte française», *Economie et Prévision*, n°110, pp. 105-128.
- [9] Magnac, T, J-M Robin (1994), «An econometric analysis of labour market transitions using discrete and tenure data», *Labour Economics*, vol 1, pp. 327-346.
- [10] Nichèle, V., J.-M. Robin (1995), «Simulation of indirect tax reforms using pooled micro and macro French data», *Journal of Public Economics*, vol 56, pp. 225-244.
- [11] Magnac, T., J.-M. Robin, M. Visser (1995), «Analysing incomplete individual employment histories using indirect inference», *Journal of Applied Econometrics*, vol. 10, S153-S169.
- [12] Pascal, A., J.-M. Robin (1995), «Comment l'activité féminine influence-t-elle la demande des couples en biens et services», *Economie et Prévision*, n°121, pp. 141-150.
- [13] Magnac, T., J.-M. Robin (1996), «Occupational choice and liquidity constraints», *Ricerche Economiche (Research in Economics)*, vol 50, pp. 105-133.
- [14] Orléan, A., J.-M. Robin (1996), «Modèles théorique de la spéculation sur les matières premières : stabilité locale, cycles limites, comportements quasi-périodiques et chaos déterministes», in Florence Legros, eds, *Les produits dérivés. Quelles conséquences économiques ?*, Collection Etudes, Presses Universitaires de Perpignan.
- [15] Lanot, G., J-M Robin (1997), «Participation des femmes au marché du travail en présence de taxation directe et de coûts de participation», *Annales d'Economie et de Statistiques*.
- [16] Caillavet, F., V. Nichèle, J.-M. Robin (1998), «Modelling the consumption of home-produced vegetables», *European Review of Agricultural Economics*, vol 25, pp. 170-187.
- [17] Blundell, R., J.-M. Robin (1999), «An Iterated Least Squares Estimator for Conditionally Linear Equations Models», *Journal of Applied Econometrics*, vol 14, n°3.
- [18] Magnac, T., J.-M. Robin (1999), «Monotonicity properties of Gittins indices», *Theory and Decision*, Volume 47, Issue 3, December 1999, pp. 267-329.
- [19] Bontemps, C., J.M. Robin, G. Van den Berg (1999), «An Empirical

Equilibrium Search Model with Continuously distributed Heterogeneity of workers' Opportunity Costs of Employment and Firms' productivities, and Search on the Job», *International Economic Review*, Vol.40, n°4, pp. 1039-1074.

[20] Robin, J.M., R.J. Smith (2000), «Tests of rank», *Econometric Theory*, vol 16, pp. 151-175.

[21] Blundell, R., J.M. Robin (2000), «Latent separability - Grouping goods without weak separability», *Econometrica*, vol 68, n°1, pp 23-52.

[22] Bontemps, C., J.M. Robin, G. Van den Berg (2000), «Equilibrium Search with Continuous Productivity Dispersion: Theory and Nonparametric Estimation», *International Economic Review*, vol.41, n°2, pp 305 -358.

[23] Boizot, C., J.-M. Robin, M. Visser (2001), «The demand for food products. An analysis of inter-purchase times and purchased quantities», *Economic Journal*, vol. 111, n°470, pp. 391-419.

[24] Postel-Vinay, F., J.-M. Robin (2002), «The Distribution of Earnings in an Equilibrium Search Model with State-Dependent Offers and Counter-Offer», *International Economic Review*, vol. 43, 989-1016.

[25] Postel-Vinay, F., J.-M. Robin (2002), «Equilibrium Wage Dispersion with Heterogeneous Workers and Firms», *Econometrica*, vol. 70, 1295-1350.

[26] Adda, J., J.-M. Robin (2003), «Aggregation of Non Stationary Demand», *Economic Analysis and Policy of The B.E. Journals in Economic Analysis & Policy*.

[27] Bowlus, A., J.-M. Robin (2004), «Twenty Years of Rising Inequality in US Lifetime Labor Income Values», *Review of Economic Studies*, vol. 71, 3, pp. 709-742.

[28] Postel-Vinay, F., J.-M. Robin (2004), «To Match or Not To Match? Optimal Wage Policy with Endogenous Worker Search Intensity», *Review of Economic Dynamics*, Vol. 7, pp. 297-330.

[29] Combes, P.-P., T. Magnac. J.-M. Robin (2004), « The dynamics of local employment in France », *Journal of Urban Economics*, 56, 217-243.

[30] Bonhomme, S. and J.-M. Robin (2006), "Modeling Individual Earnings Trajectories Using Copulas: France, 1990–2002, » in *Contributions to Economic Analysis*, Vol. 275. "Structural Models of Wage and Employment Dynamics", edited by Professors Henning Bunzel, Bent J. Christensen, George R. Neumann and Jean-Marc Robin.

[31] Cahuc, P., F. Postel-Vinay, and J.-M. Robin (2006), «Wage Bargaining with On-the-job Search: Theory and Evidence», *Econometrica*, Vol. 74, 323-364.

[32] Lecocq, S. and J.-M. Robin (2006), "Estimating Demand Response with Panel Data", *Empirical Economics*, published online 15 June 2006.

[33] Jolivet, G., F. Postel-Vinay and J.-M. Robin (2006), "The Empirical Content of the Job Search Model: Labor Mobility and Wage Distributions in Europe and

the U.S.," *European Economic Review*, Vol. 50, 877-907. (Also published in *Contributions to Economic Analysis*, Vol. 275. "Structural Models of Wage and Employment Dynamics", edited by Professors Henning Bunzel, Bent J. Christensen, George R. Neumann and Jean-Marc Robin.)

[34] Postel-Vinay, F., J.-M. Robin (2006), "Microeconomic Search-Matching Models and Matched Employer-Employee Data," in *The Proceedings of the 9th World Congress of the Econometric Society*, edited by Richard Blundell, Whitney Newey, and Torsten Persson, Cambridge University Press.

[35] Bonhomme, S. and J.-M. Robin (forthcoming), "Assessing the equalizing force of mobility using short panels: France, 1990-2002," *Review of Economic Studies*

Working papers

[36] Adda, J., C. Dustman, C. Meghir and J.-M. Robin (2006), "Career Progression and Formal versus On-the-Job Training". Revise and resubmit, *Econometrica*.

[37] Bonhomme, S. and J.-M. Robin (2007), "Consistent Noisy Independent Component Analysis," Revise and resubmit, *Journal of Econometrics*

[38] Bonhomme, S. and J.-M. Robin (2007), "Generalized Nonparametric Deconvolution with an Application to Earnings Dynamics," Revise and resubmit *Review of Economic Studies*

[39] Bowlus, A. J. and J.-M. Robin (2008), "An International Comparison of Lifetime Labor Income Values and Inequality", submitted to the *American Economic Review*

In progress

[40] Bagger, J., F. Fontaine, F. Postel-Vinay and J.-M. Robin, "A Feasible Equilibrium Search Model of Individual Wage Dynamics with Experience Accumulation"

[41] Robin, J.-M. and A. Shephard, "A two-sided equilibrium search model of the British labour market with an evaluation of the WTC reform"

[42] Lise, J., C. Meghir and J.-M. Robin, "Matching, Sorting and Wages"

8. Teaching and administration

I teach microeconometrics at the graduate level. I teach one M1 course in the ETE master (Empirical and Theoretical Economics) at Paris 1-PSE and an MSc course at UCL. I also teach structural econometrics at the M2 level in the ETE master of Paris 1-PSE.

I am the director of the master ETE (directeur de la mention de master ETE) at Paris 1. This master is also a master programme of the Paris School of Economics.

9. Knowledge Transfer

Master classes

I have been invited to give mini courses on my main area of expertise, equilibrium search models, at the Bank of Italy (April 2007) and Yale university (November 2007).

On another hand, I also contribute to the organization of master classes at UCL-IFS. Recently in October 2007, I invited Dale Mortensen (Northwestern), the most famous specialist of search and matching models in the profession, to give a CEMMAP master class on this literature.

Research and training networks

I am the main investigator of the French node of a Marie Curie RTN "Microdata Methods and Practice" involving IFS-Cemmap, CEMFI, Uppsala, Amsterdam and Copenhagen. This network provides funds to hire PhD students or post-docs and organize meetings and master class attendances.