

Full Time Predoc Position at Universitat Pompeu Fabra, Barcelona
ERC Advanced Grant 339186
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Position: Jan Eeckhout is professor of Economics at UPF Barcelona and University College London and is looking to hire a pre-doctoral researcher. The position is full time and will be based at Universitat Pompeu Fabra, Barcelona, Spain.¹ The starting date is flexible, ideally in September, 2018. The appointment is for one year, with renewal contingent upon satisfactory performance. The position is ideal for students with a long term interest in Economics and those who are looking for research experience in an academic setting prior to embarking on a Ph.D. in Economics.

Research Description: The research is on the intersection of macro/labor and IO and is primarily concerned with the application of search, matching and sorting theory applied to labor markets and with the macroeconomic implications of market power. The job duties include:

1. **Theoretical work** solving models of macro, IO and the labor market.
2. **Advanced empirical work** on the recent developments in the labor market. This would require collecting data, cleaning data and detailed data analysis using large data sets like the CPS, ACS, SIPP, LEHD and COMPUSTAT. Routine tasks would involve not only replication of findings in current literature but also using novel methodologies to establish new findings about the labor market.
3. **Advanced computational work** coding heterogenous agent models and conducting estimation of key model parameters to match the moments in the data and test model predictions.
4. **Attention to detail and documenting** the research tasks performed are a crucial part of the job. It is expected that the candidate conducts independent literature reviews and incorporates and adheres to state of the art empirical and computational standards.

Desired Qualifications:

1. **Computational Aptitude:** Given the type of work involved ideal candidates would have an exceptionally strong programming background. The candidate must possess experience working with MATLAB and Stata. In addition, working knowledge of R and Python along with knowledge of numerical optimization and estimation techniques is a plus.
2. **Educational Background:** Bachelors degree in Economics, Statistics, Applied Mathematics or related field. A masters degree in Economics, Computational Economics or a related field is desirable.
3. **Future Aspirations:** An interest in pursuing a PhD in Economics or a related field is advantageous, as is prior exposure in the form of courses or research papers in the field of macro-labor or search and matching theory.

¹We will provide work permit to Non-EU citizens.

Selection Procedure:

1. **Stage 1:** To apply please send your C.V, Cover letter (Max. 1 page) detailing your suitability for the job as a single pdf document to shubhdeep.deb@upf.edu. The deadline for applications is **April 15, 2018**.
2. **Stage 2:** Shortlisted candidates may be asked for reference letters, to perform a computational task and may be invited for a short Skype interview.