

## **PROPOSAL: "FIRM DYNAMICS AND MACROECONOMIC GROWTH"**

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What are the determinants of firm and exporter growth? This study combines recent developments in the theory of the firm with mathematical tools from probability theory and the theory of stochastic process to characterize firm and exporter entry and growth in the domestic and foreign market. Using tools from macroeconomic theory this project plans to consider the macroeconomic effects of policies affecting firm growth.

The research assistant will be expected to work on computer simulations of firm growth and the firm impact to overall economic growth. Good knowledge of theory of stochastic processes and programming knowledge, especially in MATLAB, is desirable.

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