

DANIEL L. GREENWALD

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Academic Positions

July 2016 - Assistant Professor of Finance, MIT Sloan School of Management

Education

2016 Ph.D. in Economics, New York University
Thesis committee: Sydney Ludvigson (chair), Stijn Van Nieuwerburgh, Gianluca Violante

2008 A.B. in Economics, *cum laude*, Harvard University

Research Areas

Macroeconomics, Asset Pricing, Housing and Mortgage Markets, Macroeconometrics.

Working Papers

1. "The Mortgage Credit Channel of Macroeconomic Transmission"

Abstract: I investigate how the structure of the mortgage market influences macroeconomic dynamics, using a general equilibrium framework with prepayable debt and a limit on the ratio of mortgage payments to income. This realistic environment amplifies transmission from interest rates into debt, house prices, and economic activity. Monetary policy can more easily stabilize inflation due to this amplification, but contributes to larger fluctuations in credit growth. A relaxation of payment-to-income standards appears essential to the recent boom. A cap on payment-to-income ratios, not loan-to-value ratios, is the more effective macroprudential policy for limiting boom-bust cycles.

2. "Origins of Stock Market Fluctuations" with Martin Lettau and Sydney Ludvigson

Abstract: Three mutually uncorrelated economic disturbances that we measure empirically explain 85% of the quarterly variation in real stock market wealth since 1952. A model is employed to interpret these disturbances in terms of three latent primitive shocks. In the short run, shocks that affect the willingness to bear risk independently of macroeconomic fundamentals explain most of the variation in the market. In the long run, the market is profoundly affected by shocks that reallocate the rewards of a given level of production between workers and shareholders. Productivity shocks play a small role in historical stock market fluctuations at all horizons.

Publications

3. "Rare Shocks, Great Recessions" with Vasco Cúrdia and Marco Del Negro. *Journal of Applied Econometrics*, Vol. 29(7), pp. 1031-1052, November/December 2014.

Winner, Richard Stone Prize in Applied Econometrics for the best paper with substantive econometric application in the 2014 and 2015 volumes of the *Journal of Applied Econometrics*.

Abstract: We estimate a DSGE model where rare large shocks can occur, by replacing the commonly used Gaussian assumption with a Student's t distribution. Results from the Smets and Wouters (2007) model estimated on the usual set of macroeconomic time series over the 1964-2011 period indicate that 1) the Student's t specification is strongly favored by the data even when we allow for low-frequency variation in the volatility of the shocks, and 2) the estimated degrees of freedom are quite low for several shocks that drive U.S. business cycles, implying an important role for rare large shocks. This result holds even if we exclude the Great Recession period from the sample. We also show that inference about low-frequency changes in volatility – and in particular, inference about the magnitude of Great Moderation – is different once we allow for fat tails.

Fellowships and Awards

2016	AREUEA Homer Hoyt Doctoral Dissertation Award (1 st Prize)
2015 - 2016	Dean's Dissertation Fellowship, New York University
2015	Macro Financial Modeling Fellowship, Becker Friedman Institute
2010 - 2015	McCracken Fellowship, New York University
2014	TACC-BP Parallel Programming Contest (1 st Place)

Research Employment

2015	Summer Research Internship, Federal Reserve Bank of New York
2012 - 2015	Research Assistant for Prof. Sydney Ludvigson
2011, 2014	Research Assistant for Prof. Gianluca Violante
2008 - 2010	Assistant Economist, Federal Reserve Bank of New York

Courses Taught

Spring 2017	Undergraduate, Managerial Finance (MIT Course 15.401)
Fall 2016	Ph.D., Advanced Financial Economics III (MIT Course 15.442)

Seminar Presentations

2017	Federal Reserve Bank of Dallas. <i>Scheduled:</i> European Central Bank.
2016	Bank of Canada, Brown, MIT Sloan, Harvard Business School, UC San Diego, UC Berkeley Haas, Baruch, Federal Reserve Bank of New York, UT Austin McCombs, Penn State, Congressional Budget Office, University of Minnesota, UPenn Wharton, Federal Reserve Board of Governors, Northwestern, MIT (Macro), University of Connecticut, Boston University, Federal Reserve Bank of Cleveland.
2015	Federal Reserve Bank of New York, NYU Stern, Federal Reserve Bank of Philadelphia.

Conference Presentations

- 2017 Macro Financial Modeling Winter Conference, Philadelphia Workshop on Macroeconomics and Economic Policy, Boston Fed GBUREES, SED Annual Meeting (Edinburgh), CEF (New York). *Scheduled*: CEPR European Summer Symposium in Financial Markets, Norges Bank Workshop on Housing and Household Finance.
- 2016 Macroeconomics and Business CYCLE Conference, Midwest Macro, IAAE (Milan), SED Annual Meeting (Toulouse), CEPR European Summer Symposium in Financial Markets, MIT GCFP Annual Conference, Macro Finance Society (Chicago).
- 2015 Federal Reserve Bank of Chicago Rookie Conference.
- 2014 SED Annual Meeting (Toronto).

Conference Discussions

1. "The Equity Premium and the One Percent" by A.A. Toda and K. Walsh. *AFA Meetings*, Chicago, January 2017.
2. "Household Debt and Monetary Policy: Revealing the Cash Flow Channel" by M. Flodén, M. Kilström, J. Sigurdsson, and R. Vestman. *Econometric Society Winter Meetings*, Chicago, January 2017.
3. "Regional Heterogeneity and Monetary Policy" by M. Beraja, A. Fuster, E. Hurst and J. Vavra. *Econometric Society Winter Meetings*, Chicago, January 2017.

Invited Workshops

- 2016 Macro Financial Modeling Summer Camp.
- 2014 World Economics Forum Roundtable.
- 2013 MIT Capital Markets Research Workshop, Goldman Sachs Fellowship Program.
- 2012 Institute for Computational Economics, Princeton Initiative: Macro, Money, and Finance.

Professional Activities

Referee: *American Economic Journal: Macroeconomics*, *American Economic Review*, *Econometrica*, *International Journal of Central Banking*, *Journal of Applied Econometrics*, *Journal of Economic Dynamics and Control*, *Journal of the European Economic Association*, *Journal of Empirical Finance*, *Macroeconomic Dynamics*, *Review of Economic Dynamics*, *Review of Financial Studies*.

Conference Program Committee: Society for Computational Economics Annual Conference (New York, 2017), WFA Annual Meeting (Whistler, BC, 2017).

Personal Information

Born: August 3, 1986. Citizenship: USA.

Languages: English (native), French (intermediate), Russian (intermediate), Spanish (beginner).