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References

Eswar Prasad (Committee Chair)

eswar.prasad@cornell.edu

Matthew Baron

baron@cornell.edu

Kristoffer Nimark

pkn8@cornell.edu

Teaching and Research Fields

Banking, Macro-finance, International Finance, Macroeconomics

Education

Ph.D. Economics, Cornell University, 2019 (expected)

M.A. Economics, Cornell University, 2016

M.Sc. Economics, IGIDR, Mumbai, 2012

B.A. (Hons) Economics, University of Delhi, 2010

Publications

A Vision and Action Plan for Financial Sector Development and Reforms in India (with Eswar Prasad),
Brookings Institution Report, 2018

Working Papers

Bank' Foreign Currency Exposure and the Real Effects of Exchange Rate Shocks (Job Market Paper)

Abstract: This paper presents the first causal evidence on the role of foreign currency mismatch on banks' balance sheets in the transmission of exchange rate shocks to the real economy. To circumvent endogeneity concerns stemming from reverse causality and simultaneity bias, I exploit a large and unanticipated currency appreciation shock from Switzerland in January 2015 when the Swiss National Bank surprised the markets by abandoning the lower bound on the chf/eur exchange rate. Using a novel hand-collected dataset on foreign currency exposure of Swiss banks and bank-firm relationships, I show that the currency appreciation shock enabled banks with a net foreign currency liability exposure to increase credit supply; non-financial firms that had a pre-shock relationship with positively affected banks were able to invest more, partially offsetting the negative impact of currency appreciation on exporters. At the firm-level, I compare the bank-lending channel with the export channel and corporate balance-sheet channels and show how exchange rate shocks can have heterogeneous effects across sectors and types of firms depending on the relative strength of these channels. Extending my

findings to historical currency devaluations over the period 1950-2016, I find that foreign currency exposure of the banking sector can explain the differential response of economic activity to exchange rate shocks quite generally.

Commodity Prices and Bank Lending (with Rupa Duttagupta and Andrea Presbitero), *IMF Working Paper No. 17/279* (under review)

Abstract: We analyze the transmission of changes in commodity prices to bank lending in developing countries. Identification relies on a bank-specific time-varying measure of bank sensitivity to changes in commodity prices, based on daily data on bank stock prices. We find that a fall in commodity prices reduces bank lending, and this effect is stronger for commodity exporters and driven by commodity price busts. We supplement this bank-level analysis with loan-level data from a credit register, which allows us to identify the effect of a commodity price shock on the supply of credit at the extensive margin, controlling for borrower-specific time-varying unobserved factors that could drive borrowers' demand for credit. Results show that banks with relatively lower deposits and poor asset quality transmit the changes in commodity prices more aggressively, indicating that commodity prices swings affect credit supply.

Inflation and Disintermediation (with Matthew Baron)

Abstract: This paper explores a novel channel through which unexpected inflation leads to adverse short-run effects on the macroeconomy. We hypothesize that unexpected inflation shocks weaken the banking sector (mainly due to asset-liability mismatch), which leads to credit contraction, which, in turn, transmits the shock to the real economy. We test this hypothesis in two settings. In the first setting, which looks at a sudden and unexpected inflation shock in the U.S. in mid-1970s, we exploit across-state differences in reserve requirements for state-chartered non-member banks and within-state differences between state- and nationally-chartered banks. These differences substantially affect bank cash holdings, and thus banks' inflation exposure. Through the affected banks, the inflation shock is then transmitted to the real economy through a lending contraction, with small bank-dependent non-financial firms most affected. In a second setting, we use newly-uncovered historical data on individual banks' financial statements to explore prominent high inflation episodes of the past, from France in the 1920s to Argentina, Brazil, Turkey, and Venezuela in recent decades. We exploit banks' cross-sectional heterogeneity in exposure to large, unexpected inflations to show the importance of the banking channel in these prominent historical inflation episodes.

Work in Progress

Bank Capital Requirements: Rules vs Discretion (with Tirupam Goel)
China's Impact on Global Finance (with Grace Gu and Eswar Prasad)

Employment

International Monetary Fund, Research Intern, Summer 2016
PricewaterhouseCooper (PwC), Associate, 2012-2013
Reserve Bank of India, Research Intern, Summer 2011

Research Experience

RA for Prof. Eswar Prasad, Cornell University, Spring 2017, 2018, 2019
RA for Prof. Matthew Baron, Cornell University, Fall 2015
RA for Prof. Maxim Troshkin, Cornell University, Summer 2014

Teaching Experience

TA for Prof. Eswar Prasad, International Finance and Macroeconomics, Fall 2016, 2017, 2018
 TA for Prof. Christopher Huckfeldt, Intermediate Macroeconomics , Spring 2015, 2016
 TA for Prof. Stephanie Thomas, Introductory Microeconomics, Fall 2015
 TA for Prof. Jennifer Wissink, Introductory Macroeconomics, Fall 2013, 2014

Professional Service

Member, Scientific Committee, IFABS 2018 Porto Conference
 Referee, Journal of Financial Research, European Journal of Comparative Economics
 Discussant, Western Economic Association International Conference 2018

Honors, Scholarships, and Awards

CRISIL Doctoral Symposium Best Paper Award (\$500), IIM-Bangalore , 2017
 L.R. "Red" Wilson Research Excellence Medal (\$5000), Cornell University , 2016
 Earnest Liu Family Outstanding Teaching Award (\$500), Cornell University, 2016
 Graduate School Conference Travel Grant (\$675), Cornell University, 2016
 The President's Gold Medal for highest CGPA in M.Sc. Economics, IGIDR, 2012

Conferences and Invited Presentations

2019: London Business School, University of British Columbia (Sauder School of Business), University of Rochester (Simon Business School), UT Austin (McCombs School of Business), INSEAD, University of Maryland-Baltimore County, Federal Reserve Bank of New York, World Bank Research Group, Bank for International Settlements

2018: Cass Business School Emerging Scholars Conference, Yale (SOM) Finance Doctoral Symposium, Economics Graduate Student Conference, Washington University, St. Louis, International Monetary Fund Research Department, Western Economic Association International (WEAI) Dissertation Workshop

2017: Asian Development Bank Institute, International Finance and Banking Society Conference, International Monetary Fund (SPR Department), Georgetown Center for Economic Research Conference, Indian Institute of Management,

2016: Cass Business School Emerging Scholars Conference in Banking and Finance

Programming Skills

Stata, Matlab, Dynare, Excel, SAS, L^AT_EX

Last updated: March 16, 2019