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SSRN

- EMPLOYMENT** **University of Michigan, Ross School of Business**, Ann Arbor, MI
Assistant Professor of Finance, Jul 2018 -
- Board of Governors of the Federal Reserve System**, Washington, DC
Economist, Division of Monetary Affairs, Sep 2016 - June 2018
- EDUCATION** **New York University Stern School of Business**, New York, NY
Ph.D., Finance, Sep 2011 - May 2016
Dissertation: *“Essays in Financial Institutions and Central Banking”*
Committee: Viral Acharya (chair), Philipp Schnabl (chair), Alexi Savov, Andres Liberman
- London School of Economics and Political Science**, London
M.Sc., Finance and Economics, Research Track, Sep 2010 - Jun 2011
- Columbia University**, New York, NY
Exchange Student, Economics, Jan 2010 - May 2010
- Università Bocconi**, Milan
B.Sc., Economics, Sep 2007 - Jul 2010
- RESEARCH INTERESTS** Transmission of Monetary Policy, Macroprudential Regulation
Financial Intermediation, Bank Portfolio Choice
Sovereign Crises, Government Bond Markets, Sovereign Debt Capacity
- PRIZES AND AWARDS** Young Economist Award, ECB Forum on Central Banking, 2016
Edwin Elton Prize for the Best Finance Job Market Paper, 2015
3rd SUERF/UniCredit & Universities Foundation Research Prize, 2015
Klaus Liebscher Award, 2015
NYU Stern Teaching Commendation, 2014
D. Graifman Memorial Award for the Best 2nd Year Summer Paper in Finance at Stern, 2013
- FELLOWSHIPS AND GRANTS** Jules Bogen Fellowship, 2015-2016
Macro Financial Modeling Group (Becker Friedman Institute) Dissertation Fellowship, 2014
Unicredit & Universities Crivelli Europe, Runner-up, 2012
NYU Stern School-wide Doctoral Fellowship, 2011-2015
Ph.D. Director’s Fellowship, 2011-2015
- PUBLICATIONS** **The (Unintended?) Consequence of the Largest Liquidity Injection Ever**
With Miguel Faria-e-Castro and Luis Fonseca
Forthcoming at the [Journal of Monetary Economics](#)

The Design and Transmission of Central Bank Liquidity Provisions (with Luisa Carpinelli), August 2018

- *Revision requested at the Journal of Financial Economics*
- *AFA 2017, RFS BSRMM 2017*
- *Young Economist Award, ECB Forum on Central Banking, 2016*
- *Edwin Elton Prize for the Best NYU Stern Finance Job Market Paper*
- *Media Coverage: Wall Street Journal*

Abstract: We show how the design of central bank provisions of collateralized liquidity to banks following a wholesale funding dry-up affects their transmission. Combining Italian banks' security-level holdings with the national credit register, we analyze the role of maturity and collateral during the ECB's three-year Long-Term Refinancing Operations. We find that (i) long-term liquidity helped banks hit by the dry-up support their credit supply to firms; (ii) a government guarantee, by allowing these banks to expand their eligible collateral, was necessary for the transmission to firms; and (iii) banks used most liquidity to buy government bonds.

Why Are Banks Not Recapitalized During Crises?, July 2017

- *Revision requested at the Journal of Financial Economics (2nd round)*
- *EFA 2016, OxFIT 2016, Barcelona GSE Summer Forum 2015*
- *Shortlisted, Ieke van den Burg Prize for Research on Systemic Risk, 2016*
- *2015 Klaus Liebscher Award*

Abstract: I develop a model where the sovereign debt capacity depends on the capitalization of domestic banks. Low-capital banks optimally tilt their government bond portfolio toward domestic securities, linking their destiny to that of the sovereign. If the sovereign risk is sufficiently high, low-capital banks reduce private lending to further increase their holdings of domestic government bonds, lowering sovereign yields and supporting the home sovereign debt capacity. The model rationalizes, in the context of the eurozone periphery, the increase in domestic government bond holdings, the reduction of bank credit supply, and the prolonged fragility of the financial sector.

The Anatomy of the Transmission of Macroprudential Policies (w. Viral Acharya, Katharina Bergant, Tim Eisert, Fergal McCann), May 2019

- *RFS BSRMM 2018, FIRS 2018, LSE PWC 2018, 2018 NBER SI (CF-RISK), EFA 2019*

Abstract: We analyze the effect of widely used regulatory limits on household leverage on residential mortgage credit, house prices, and banks' portfolio choice. Combining supervisory loan-level and house price data, we examine the introduction of loan-to-income and loan-to-value limits on residential mortgages in Ireland. Mortgage credit is reallocated from low- to high-income borrowers and from high- to low-house price appreciation areas cooling down, in turn, "hot" housing markets. Consistent with a bank portfolio channel, banks more affected by the limits drive this reallocation and increase their risk-taking in their securities holdings and corporate credit, asset classes not targeted by the policy.

Credit Misallocation and (Dis-)Inflation: Evidence from Europe (w. Viral Acharya, Tim Eisert, Christian Eufinger), May 2019

Abstract: The European economy has been recently characterized by near-zero inflation and an extraordinarily accommodative monetary policy. Motivated by this evidence, we show that, in an environment with poorly capitalized banks, low policy rates can have a negative effect on inflation. In a stylized model, we show that low policy rates help low-capital banks extend extra credit to weak firms in order to prevent them from defaulting ("zombie" lending). The resulting low firm default rate increases competition that, in turn, has a negative effect on product prices. We test our mechanism exploiting firm-level data from twelve European countries. After confirming that subsidized credit to weak firms has dramatically increased since 2012, we find that, in the cross-section of industries and countries, an increase in the share of zombie

firms is associated with a decrease of markups, prices, and firm defaults, while aggregate sales increase. Our results hold at the firm-level and are stronger for non-tradable products, more affected by local credit markets.

OTHER PAPERS **The Portuguese Banking System During the Sovereign Debt Crisis**, with Miguel Faria-e-Castro and Luis Fonseca, *Banco de Portugal Economic Studies*, 1(2), pp. 43-80, July 2015

CITATIONS Google Scholar: 193 citations, h-index 5, i10-index 3
- *Why Are Banks Not Recapitalized During Crises?* (63)
- *The Effect of Central Bank Liquidity Injections on Bank Credit Supply* (60)
- *The (Unintended?) Consequence of the Largest Liquidity Injection Ever* (57)
- *The Portuguese Banking System During the Sovereign Debt Crisis* (7)
- *The Anatomy of the Transmission of Macroprudential Policies* (6)

PRESENTATIONS **2019**

Conferences: Midwest Finance Association Meetings[†], Annual FIRS Finance Conference (Savannah)[†], Chicago Financial Institutions Conference[†], 4th Conference on Financial Markets and Macroeconomic Performance*, SFS Cavalcade (Carnegie Mellon)[†], European Finance Association Meetings*

^p presentation

* by co-author

† discussion

Seminars: Danmarks Nationalbank, New York Fed, Michigan Ross, Philadelphia Fed.

2018

Conferences: Federal Reserve System “Day-Ahead” Conference (Philadelphia)*, Midwest Finance Association Meetings (invited session)^p, Midwest Finance Association Meetings[†], RFS Conference on “New Frontiers in Banking Research”^p, SFS Cavalcade (Yale)[†], Fixed Income and Financial Institutions Conference (University of South Carolina)[†], Annual FIRS Finance Conference (Barcelona)*[†], EuroFIT Workshop “Financial Intermediation and Risk”[†], Western Finance Association Meeting[†], Second Maryland Junior Finance Conference[†], LSE Paul Woolley Conference*, NBER Summer Institute (CF)^p, European Finance Association Meetings^{††}.

Seminars: Johns Hopkins Carey.

2017

Conferences: American Finance Association Meetings^p, MFM Winter Meeting^p, Chicago Financial Institutions Conference*, RFS Banks and Systemic Risk Measurement and Mitigation Conference (Rome)^p, Irish Economic Association Annual Conference*, NA Summer Meetings of the Econometric Society^p, Banco de Portugal Conference on Financial Intermediation*, Yale Program on Financial Stability Conference^p, Norges Bank Workshop on Housing and Household Finance*, Oxford-NY Fed Monetary Economics Conference*, Basel Committee-CEPR “The Impact of Banking Regulation on Financial Market” Conference*, Western Finance Association Meeting[†], Baffi Carefin Conference (Bocconi)^p, CREDIT “Interest Rates, Growth, and Regulation” Conference*, “Bank Performance, Financial Stability and the Real Economy” (CSEF)*, “Financial Regulation: Fit for the Future?” (Atlanta Fed)^p, Regulating Financial Markets (Frankfurt)[†], Meeting of German Economists Abroad*.

Seminars: New York Fed, Federal Reserve Board, Michigan Ross.

2016

Conferences: American Finance Association Meetings*, International Conference on Sovereign Bond Markets^p, MoFiR Workshop on Banking*, Marco Fanno Alumni Workshop^p, European Finance Association Meetings^{p†}, ECB Forum on Central Banking (Sintra)^p, Society for Economic Dynamics Annual Meeting^p, Oxford Financial Intermediation Theory Conference^p, Yale Program on Financial Stability (YPFS) Conference*, Baffi Carefin Banking Conference (Bocconi)[†], CREDIT “New Credit Solutions for the Real Economy”*, Regulating Financial Markets Conference (Frankfurt)[†], Workshop in Macro Banking and Finance (Rome)*, European

Banking Center Network Conference (Tilburg)^p, Monetary Policy Implementation in the Long Run (Minneapolis Fed)[†], Atlanta Fed “The Impact of Extraordinary Monetary Policy on the Financial Sector” Conference^p, Workshop on Empirical Monetary Economics (Sciences Po)*.

Seminars: Rochester Simon, European Central Bank, UCLA Anderson, McGill Desautels, Boston Fed, Fed Board, Fordham Gabelli, NYU Stern.

2014-15

Conferences: MFM Winter Group Meeting^p, Barcelona GSE Summer Forum^p, London Business School TADC^p, First ECB Forum on Central Banking (Sintra)*, Second ECB Forum on Central Banking (Sintra)*, Ninth Annual Meeting of the Portuguese Economic Journal*, 3rd NYU Economics Alumni Conference*, Second Belgrade YEC^p, Finance, Economics Graduate Student Conference (WashU)*, Bocconi-Carefin Conference^p, Capital Reallocation and Growth 1st FGN Conference (St. Gallen)^p

Seminars: NYU Stern, NYU Econ, Universiteit van Amsterdam.

DISCUSSIONS

- 1) Unconventional Monetary Policy: Evidence from TLTROs by Benetton and Fantino, *SFS Cavalcade*, Carnegie Mellon, May 2019.
- 2) Illiquidity, Closure Policies & the Role of LOLR by Corradin and Sundaresan, *Annual FIRS Finance Conference*, Savannah, May 2019.
- 3) Macroprudential Policy and Household Leverage: Micro-Evidence by Van Bakkum, Gabarro, Irani, Peydró, *Chicago Financial Institutions Conference*, Chicago, April 2019.
- 4) Busy Bankruptcy Courts and the Cost of Credit by Müller, *Midwest Finance Association Annual Meeting*, Chicago, March 2019.
- 5) Credit and Social Unrest: Evidence from 1930s China by Braggion, Manconi, Zhu, *European Finance Association Meetings (Warsaw)*, August 2018.
- 6) Capital Requirements for Government Bonds: Implications for Bank Behaviour and Financial Stability by Neyer and Sterzel, *European Finance Association Meetings (Warsaw)*, August 2018.
- 7) Sharing the Pain? Credit Supply and Real Effects of Bank Bail-ins by Beck, Da-Rocha-Lopes, Silva, *Annual FIRS Finance Conference*, Barcelona, June 2018.
- 8) Villains or Scapegoats? The Role of Subprime Borrowers during the Housing Boom by Conklin, Frame, Gerardi, Liu, *Western Finance Association Meeting*, June 2018.
- 9) The Rise of Shadow Banking: Evidence from Capital Regulation by Irani, Iyer, Meisenzahl, Peydró, *EuroFIT Workshop “Financial Intermediation and Risk”*, April 2019.
- 10) FinTech Credit and Service Quality: Evidence from Alibaba Online Merchants by Huang, Lin, Sheng, Wei, *SFS Cavalcade (Yale)*, May 2018.
- 11) Making Room for the Needy: the Credit-Reallocation Effects of the ECB’s Corporate QE by Arce, Gimeno, and Mayordomo, *Fixed Income and Financial Institutions Conference, University of South Carolina*, April 2018.
- 12) Intermediaries and Asset Prices: Evidence from the U.S., U.K., and Japan, 1870-2016 by Baron and Muir, *Second Maryland Junior Finance Conference*, April 2018.
- 13) Banking on the Boom, Tripped by the Bust: Banks and the World War I Agricultural Price Shock by Wheelock and Jaremski, *Midwest Finance Association Annual Meeting*, March 2018.
- 14) Whatever it Takes: The Real Effects of Unconventional Monetary Policy, by Acharya, Eisert, Eufinger, and Hirsch, *Western Finance Association Meeting*, June 2017.
- 15) Inefficient Banking, by Begenau and Stafford, *Regulating Financial Markets Conference (Frankfurt)*, June 2017.
- 16) Does a Larger Menu Increase Appetite? Collateral Eligibility and Bank Risk-Taking, by

Van Bakkum, Gabarro, Irani, *Baffi Carefin Annual International Banking Conference (Bocconi)*, October 2016.

17) Surviving the Perfect Storm: The Role of the Lender of Last Resort, by Alves, Bonfim, Soares, *Monetary Policy Implementation in the Long Run (Minneapolis Fed)*, October 2016.

18) Lending Standards Over the Credit Cycle, by Rodano, Serrano-Velarde, Tarantino, *European Finance Association Meetings (Oslo)*, August 2016.

19) Lending-of-last-resort is as Lending-of-last-resort Does: Central Bank Liquidity Provision and Interbank Market Functioning in the Euro Area, by Garcia-de-Andoain, Heider, Hoerova, Manganeli, *Regulating Financial Markets Conference (Frankfurt)*, May 2016.

PROFESSIONAL
SERVICE

Program Committee

- NY Fed/NYU Stern Financial Intermediation Conference, 2019
- FMA Annual Meeting, 2019

Internal

- Organizer, Seminar Series, 2019-20

Refereeing

Review of Economic Studies, Journal of Finance, Journal of Monetary Economics, Journal of Financial Economics, Review of Financial Studies, Review of Finance, Journal of Financial Intermediation, Journal of Financial and Quantitative Analysis, Journal of the European Economic Association, Journal of Banking and Finance, International Journal of Central Banking, Journal of Financial Stability, Economica, Journal of Money, Credit, and Banking.

MEDIA
COVERAGE

Wall Street Journal, April 2017; VoxEU.org, April 2017; Wall Street Journal, February 2017; Il Sole 24 Ore, October 2016; Frankfurter Allgemeine Zeitung, January 2016.

TEACHING

Michigan Ross

- Financial Management, Full Time MBA, Fall 2019
- Financial Management, Undergraduate BBA, Winter 2019

NYU Stern

- Executive MBA Finance Pre-Module Tutorial, Spring 2015
- Foundations of Finance, UG, Summer 2014, *Awarded Teaching Commendation*
- Teaching Assistant for Sovereign and Financial Credit Risk (Ph.D.)
- Teaching Assistant for Credit Risk; Advanced Futures and Options (MBA)
- Teaching Assistant for Foundations of Finance; Behavioral Finance (UG, MBA)

NON ACADEMIC
POSITIONS

JP Morgan, London

Intern, Interest Rates Strategy, Summer 2011

REFERENCES

Prof. Viral Acharya

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LANGUAGES	L ^A T _E X, Matlab, Python, STATA
PERSONAL	Born July 23, 1988. Italian citizen. H-1B VISA
OTHER	Tennis player. Highest rankings: 2.8 (Italy), 3.1 (UK), 5.5 NTRP (US)