

REMO NYFFENEGGER

University of Basel
Faculty of Business and Economics
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CURRENT POSITION

2019 - Present	RESEARCH AND TEACHING ASSISTANT, CHAIR OF ECONOMIC THEORY, University of Basel.
2019 - Present	RESEARCH ASSISTANT, CENTER FOR INNOVATIVE FINANCE, University of Basel.

EDUCATION

2019 - 2024	PH.D. IN MONETARY ECONOMICS University of Basel. Supervisor: Prof. Dr. Aleksander Berentsen. Dissertation: "Three Essays on Central Bank Digital Currencies" Grade: Summa cum laude (6/6)
2019 - 2020	SWISS PROGRAM FOR BEGINNING DOCTORAL STUDENTS Study Center Gerzensee, Foundation of the Swiss National Bank. Econometrics, Macroeconomics, Microeconomics. Grade: 5.5/6.
2017 - 2018	MASTER OF SCIENCE IN INTERNATIONAL AND MONETARY ECONOMICS University of Berne and University of Basel. Grade: 6/6. Thesis: "Scaling Bitcoin" Grade: 6/6.
2014 - 2016	BACHELOR OF ARTS IN BUSINESS AND ECONOMICS University of Basel. Grade: 5.7/6. Thesis: "Determinants of Changes in Real Interest Rates in Switzerland: A Comparative Approach". Grade: 6/6.

PREVIOUS POSITIONS

2018 - 2019	INTERNSHIP, SWISS NATIONAL BANK Organisation unit: Economic Analysis International.
2016 - 2018	JUNIOR ASSISTANT, CHAIR OF ECONOMIC THEORY University of Basel.
2017 - 2018	RESEARCH ASSISTANT, CENTER FOR INNOVATIVE FINANCE University of Basel.
2017	RESEARCH ASSISTANT, NCCR - ON THE MOVE University of Basel.

RESEARCH INTERESTS

Monetary Economics, Monetary Policy, Macroeconomics, Blockchain, DLT.

PUBLICATIONS

A Proposal for a Layer-2 CBDC on a Rollup. *Digital Finance* (2024).

An Introduction to Zero-Knowledge Proofs in Blockchains and Economics, with Aleksander Berentsen and Jeremias Lenzi. *Federal Reserve Bank of St. Louis Review*, Fourth Quarter 2023, pp. 280-94.

Token Sales: Eine Analyse des Blockchain-basierten Unternehmensfinanzierungsinstruments, with Fabian Schär. *Corporate Finance*, 05/2018.

OTHER WORK

A Walk-through of a Simple Zk-STARK Proof, with Aleksander Berentsen and Jeremias Lenzi
Scaling Bitcoin, Master's Thesis, 2018

WORKING PAPERS

Central Bank Digital Currency and Bank Intermediation: Medium of Exchange vs. Savings Vehicle

CBDC and Bank Lending: The Role of Financial Frictions, with Fernando Cirelli

WORK IN PROGRESS

MORE SOON

RESEARCH VISITS

2022	Federal Reserve Bank, St. Louis, MO
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REFEREEING

The Review of Economic Studies

SEMINARS AND CONFERENCES

2024	The Hub Davos 2024
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2023	SNB Technology and Finance Seminar; The 2023 Rice-LEMMA Monetary Conference at Paris-Panthéon-Assas University; Research Seminar Center for Innovative Finance University of Basel; Workshop in Provence Economic Theory Group University of Basel; Finance meets DLT Conference in Basel (Moderator); SNB-CIF Conference on Cryptoassets and Financial Innovation (hearer).
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2022	Virtual Seminar Series on Central Banking Digital Currencies (CB&DC): Job Market Candidate Virtual Workshop; Summer Workshop on Money, Banking, Payments, and Finance at Federal Reserve Board, Washington, D.C.; CEBRA 2022 Annual Meeting; First PhD Workshop in Money and Finance by Sveriges Riksbank and CeMoF Stockholm University; 9th Annual MMF PhD Conference; Young Swiss Economists Meeting; Theories and Methods in Macroeconomics 2022; University of Basel lunch seminar; Reading Group Economic Theory Group University of Basel; DeFi 22 by SNB and BIS Innovation Hub (hearer); SNB-CIF Conference on Cryptoassets and Financial Innovation (hearer).
2021	Study Center Gerzensee Alumni conference (Switzerland); Reading Group of the Economic Theory Group of the University of Basel.
2018-2020	Reading Group Economic Theory Group University of Basel; Second Global Macroeconomic Workshop in Marrakech (hearer); Fifth Macro Marrakech Workshop (hearer); International Days of Macroeconomics and Finance 2018 in Rabat (hearer); Macro Marrakech – Fourth Workshop in Macroeconomics (hearer).

AWARDS

2018	Best Master Degree Award of the Faculty of Business and Economics at the University of Basel 2017/2018 sponsored by the “Vereinigung Basler Ökonomen” (VBÖ).
2018	Best Master Thesis Award of the Faculty of Business and Economics at the University of Basel 2017/2018 sponsored by the “Foundation of the Basler Kantonalbank”.

TEACHING (UNIVERSITY OF BASEL)

2019, 2020, 2021	Lecturer for “Money, Banking and Payment Systems” (Bachelor).
2022, 2023	Teaching Assistant for “Monetary Theory” (Master).
2021, 2022, 2023	Teaching Assistant for “Monetary Economics and Payment Systems” (Seminar about Decentralized Finance, Master).
2022, 2023	Teaching Assistant for “Money, Banking and Payment Systems” (Bachelor).
2021, 2022	Teaching Assistant for “Current Topics in Economics” (Bachelor, Seminar Paper)
2016, 2017, 2022	Teaching Assistant for “Introduction in Game Theory and Experimental Economics” (Bachelor).

LANGUAGE SKILLS

German (Native), English (Fluent), French (Intermediate), Italian (Basics), Spanish (Basics)

SOFTWARE SKILLS

Python (Very Good), Matlab (Very good), L^AT_EX (Very good), MS Office (Very good), Groovy (Good), Java (Good), R (Good), Stata (Good), EViews (Basics)