Institut für Mathematik
Universität Wien
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1090 Wien, Austria

Curriculum Vitae
Vera Fischer
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Employment:
- July 1, 2015 - current - *University Assistant*, Faculty of Mathematics, University of Vienna, Vienna, Austria. The position is to become permanent subject to an initial evaluation.
- *FWF Lise Meitner Project Leader (Project M1365)*
  (1) July 1, 2014 - June 30, 2015 - Technical University of Vienna, Vienna, Austria.
  (2) October 1, 2012 - June 30, 2014 - Kurt Gödel Research Center, University of Vienna, Vienna, Austria.[1]
- October 1, 2008 - September 30, 2012 - *Postdoctoral fellow*, Kurt Gödel Research Center, University of Vienna, Vienna, Austria.[2]

Degrees:
- Habilitation, University of Vienna, May 2016, Austria
- Doctor of Philosophy, York University, Canada, June 2008
- Diplommathematikerin (M.Sc.), Eberhard-Karls-Universität, Tübingen, Germany, March 2001

Awards and Scholarships:
- 07/2018: *Prize of the Austrian Mathematical Society (Förderungspreis der Österreichischen Mathematischen Gesellschaft)*, which is the highest award in mathematics in Austria.
- 06/2017: *FWF START Prize*, which is one of the highest Austrian awards in science. The award is given by the Austrian Science Fund, on behalf of the Austrian Ministry for Science.
- 11/2007: *Faculty of Science and Engineering Excellence in Teaching Award*, York University, Canada.
- 09/2004 - 04/2008: *research scholarship*, York University, Canada.
- 05/2001 - 08/2003: *research and international student scholarship*, York University, Canada.
- 09/1999 - 03/2001: *scholarship*, University of Tübingen, Germany.

Third Party Funding:
- FWF International Project I4039 (2019/02/01 - 2022/01/31); total amount awarded: 208,000.00 EUR
- FWF START Prize Project Y1012 (2018/02/01-2024/01/31); total amount awarded: 977,077.00 EUR
- FWF Lise Meitner Project M1365 (2012/10/01-2015/06/30); total amount awarded: 129,340.00 EUR

Other Third Party Funding:
- Host of the FWF Hertha Firnberg Schollarship of Diana Carolina Montoya (239,010.00 EUR)
- 02/2019: co-PI, National Science Foundation of the United States of America, total amount 25,000.00 USD to support the participation of American scientists in the Seventh European Set Theory Conference
- 05/2018: Erwin Schrödinger Institute, 10,000.00 EUR funding towards a workshop in Set Theory in July 2020

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[1]December 2012 - August 2013, on maternity leave.

[2]August 2010 - September 2011, on maternity leave.

Esteem Factors: Conference Organizer

(1) September 13 - 17, 2021, *XVI International Luminy Workshop in Set Theory*, to be held in Luminy, France, co-organizer.

(2) July 2021, *36th Summer Topology Conference*, to be held in Vienna, Austria, co-organizer.

(3) *Young Set Theory 2020*, Novi Sad, Serbia, member of the program committee.

(4) July 5 - 9, 2020, *Set Theory Workshop* of the Erwin Schrödinger Institute, Vienna, co-organizer.

(5) September 16 - 20, 2019, Dornbirn, Austria, *ÖMG Conference 2019*, co-organizer of the section in Mathematical Logic.

(6) July 1 - 5, 2019, *The 7th European Set Theory Conference* Vienna, Austria, lead organizer. The conference had an attendance of 140 participants. Funding was provided by the Association of Symbolic Logic, the National Science Foundation of USA, the Wolfgang Pauli Institute, the University of Vienna and the Austrian Science Foundation.

(7) June 24 - 28, 2019: *Advanced Class in Set Theory (12th Young Set Theory Workshop)* Vienna, Austria, lead organizer. The conference had an attendance of over 120 participants. It featured a series of doctoral short presentations, awardees of the "YST2019 - Early Career Award". Funding was provided by the Association of Symbolic Logic, the Austrian Science Foundation, the University of Vienna and the Wolfgang Pauli Institute.

(8) September 10 - 14, 2018, *Set theory today: A conference in honor of Georg Cantor*, Vienna, Austria, lead organizer. The meeting had an attendance of approximately 120 people.

(9) September 3 - 10, 2018, *Mini-symposium in Mathematical Logic at the 18th General Meeting of the European Women in Mathematics*, co-organizer. The mini-symposium aimed to gather specialists representing various areas of logic. For further information visit:
http://www.math.uni-konstanz.de/ thomas/ewm2018logic/

(10) March 2011 - *Young Set Theory Workshop*, Arbeitnehmerzentrum Königswinter, Germany, member of the scientific committee.

(11) February 2010 - *Young Set Theory Workshop*, Raach, Austria, member of the scientific committee.

Esteem Factors: Other Service

- Referee for Advances in Mathematics, Archive for Mathematical Logic, Colloquium Mathematicum, Fundamenta Mathematicae, Israel Journal of Mathematics, Journal of Symbolic Logic, Mathematical Logic Quarterly, Proceedings of the American Mathematical Society.
- Reviewer for MR and Zentralblatt MATH.
- Deputy Director of the Kurt Gödel Research Center (January 1, 2017 - September 30, 2018).
- Studienkonferenzmitglied, Faculty of Mathematics, University of Vienna.
- Member of the Wolfgang Pauli Institute, Vienna, Austria. The institute gathers scientists working in various areas of mathematics.
- Board member of the European Set Theory Society.

Theses:

- *Infinitary combinatorics and definability*, habilitation thesis, University of Vienna, May, 2016.
- *The consistency of arbitrarily large spread between the bounding and splitting numbers* doctoral dissertation, under the supervision of Dr. Juris Steprāns, York University, Canada, April 2008.
- *Symmetric complex Banach manifolds and Hermitian Jordan triple systems* Diplomarbeit, under the supervision of Dr. Wilhelm Kaup, University of Tübingen, Germany, March 2001.

5 Key Publications:

(1) *Definable maximal independent families* with J. Brendle, Y. Khomskii, Proceedings of the American Mathematical Society 147, 3547-3557, 2019.

(2) *The spectrum of independence* with S. Shelah, Archive for Mathematical Logic 58(7-8), 877-884, 2019.

(3) *Generalized characteristics in a small* $\mathfrak{u}(\kappa)$ *model* joint with A. Brooke-Taylor, S. D. Friedman, D. Montoya, Annals of Pure and Applied Logic 168(1), 37-49, 2017.

(4) *Splitting, bounding and almost disjointness can be quite different* joint with D. Mejia, Canadian Journal of Mathematics 69(3), 502-531, 2017.

(5) *A co-analytic maximal set of orthogonal measures* joint with A. Törnquist, Journal of Symbolic Logic 75(4), 1403-1414, 2010.

5 most important talks:

(1) 2019 North American Annual Meeting of the Association of Symbolic Logic, May 20-23, New York, *plenary lecture*.

(2) 50 Years of Set Theory in Toronto, May 13-17, 2019, the Fields Institute, Toronto, *plenary lecture*.

(3) September 2018 - Joint Meeting of the Czech, Slovenian, Austrian, Slovak and Catalan Mathematical Societies, *plenary lecture*.

(4) August 22-24, 2018, Fourth Generalised Baire Space Workshop, Royal Dutch Academy of Sciences, *plenary lecture*.

(5) July 3-7, 2017, 6th European Set Theory Conference, Budapest, Hungary *plenary lecture*.

Postdocs and Students:

(1) *Postdoctoral Fellows:* David Fernández-Bretón, Yair Hayut, Diana Carolina Montoya, David Schrittesser, Thilo Weinert, Wolfgang Wohofsky.

(2) *Doctoral Students:* Ömer Bag, Jonathan Schilhan.

(3) *Students who wrote or are currently writing Master theses under my supervision:* Maximilian Vötsch (current), Joszef Herzeg (current), Wolfgang Poiger, Jonathan Schilhan, Ömer Bag.

(4) *Students who wrote Bachelor theses under my supervision:* Alexander Wendlinger, Joaquin Padilla Montani, Christoph Hammer, Lukas Eckerstorfer, Michael Zechner, Arved Bartuska, Jonathan Schilhan.

Host of research visits: In the last few years, I have hosted a number of researchers: Professor Dr. Jörg Brendle (Kobe University, Japan), Dr. Ari Brodsky (Bar-Ilan University), Dr. Andrew Brooke-Taylor (University of Leeds, UK), Professor Dr. Natasha Dobrinen (University of Denver, USA), Professor Dr. Ilijas Farah (York University, Canada), Dr. Yair Hayut (Bar-Ilan University, Israel), Dr. Radek Honzik (Charles University), Professor Dr. Juris Steprans (York University, Canada), Professor Dr. Stevo Todorcevic (University of Toronto), Professor Dr. Asger Törnquist (University of Copenhagen, Denmark).