

## CURRICULUM VITAE

### Roman Bezrukavnikov

**Born:** April 1, 1973, Moscow, Russia.

#### **Employment.**

September, 2005 – present: Professor of Mathematics, Massachusetts Institute of Technology.

Spring 2021, sabbatical leave to Princeton IAS.

Fall 2021, Fondation Sciences Mathématiques de Paris research chair.

Spring 2018, on leave to MSRI as a Research Professor.

Fall 2014 and spring 2016 on leave to Columbia University, spring 2016 as Eilenberg Visiting Professor.

2010/11 – on leave to Hebrew University of Jerusalem: Fall 2010 participating in a special program at the Institute for Advanced Study of Hebrew University, Spring 2011 as a visiting professor at the Department of Mathematics.

07-08: on leave to Princeton Institute for Advanced Study serving as an organizer of the Special Year "New Connections of Representation Theory to Algebraic Geometry and Physics".

September, 02 – August, 05: tenure track Assistant Professor at Northwestern University (academic year 04/05: on leave to the Hebrew University of Jerusalem).

01-02: Long Term Prize Fellow at the Clay Mathematical Institute.

99-01: Dickson Instructor in Mathematics at the University of Chicago.

96-99: member at the Institute for Advanced Study, Princeton, NJ.

**Grants, fellowships and awards.** Simons Foundation Fellowships awarded in 2014, 2020.

NSF research grants, awarded in: 2000, 2005, 2011, 2016, 2021.

Sloan Research Fellowship awarded February 2004.

Clay Mathematical Institute Fellowship, January – June, 2000.

Team member in group grants: NSF Focused Research Group grant, awarded July 2009; Binational US – Israeli Science Foundation grants awarded 2009, 2013, 2017.

#### **Education.**

94-98: graduate student at the University of Tel-Aviv (96-98 on leave to the Institute for Advanced Study, Princeton, NJ), advisor Prof. Joseph Bernstein. PhD thesis "Homological properties of representations of  $p$ -adic groups related to geometry of the group at infinity" defended in 1998.

92-94: graduate student at Brandeis University, Waltham, MA, USA. MA degree awarded in 1994.

90-92: student of the Department of Mathematics and Mechanics of the Moscow State University.

**Selected invited talks.**

ICM satellite conference in representation theory, June 2021 (online).

“Geometric Representation Theory” (online, hosted by Perimeter Institute and MPI, Bonn), June 2020.

“Representation theory and algebraic analysis” (in honor of J. Bernstein’s 75th birthday) (online, hosted by Weizmann Institute), May 2020.

“Who is who in mirror symmetry”, Moscow, Russia, 2019.

“Hodge Theory Old and New”, Moscow and St-Petersburg, Russia, 2018.

Midrasha Mathematicae, Hebrew University of Jerusalem, 2018.

MSRI workshop “Representations of Finite and Algebraic Groups”, 2018.

Distinguished Lecture Series at UCLA, Los Angeles, California, January 2017.

“Symplectic Duality and Gauge Theory”, Perimeter Institute, April 2016, Waterloo, ON, Canada.

Colloquium at the Simons Center, January 2016.

AMS Summer Institute in Algebraic Geometry, Salt Lake City, Utah, August 2015.

Conference on Representation Theory and Geometry of Symplectic Resolutions, May 2015.

Conference on Representation Theory, Paris, France, January 2015.

Minischool and conference in Geometric Representation Theory, Kyoto, Japan, July 2014.

Conference in honor of B. Feigin’s 60th birthday, Moscow, Russia, January 2014. Representation Theory Days in Patagonia, Chile, January 2014.

Langlands program workshop at Sanya, China, December 2013.

“Algebraic groups and representation theory,” in memory of T.A. Springer, Hong Kong, January 2013.

Conference on geometric Langlands duality and DAHA, Luminy, France, July 2011.

Conference on algebraic groups and quantum groups, Nagoya, Japan, August 2010.

Invited lectures at RIMS, Kyoto, Japan, organized by Clay Mathematical Institute, March 2009.

Sectional talk at the International Congress of Mathematicians, Madrid, Spain, August 2006.

Joint AMS-BSM meeting, Rio de Janeiro, Brazil, June 2008.

Conference on geometric Langlands duality, Guanzhou, China, June 2007.

Conference on Hecke algebras and Langlands duality, Luminy, France, June 2006.

Conference on Quantum Groups, Technion, Israel, July, 2004.

Workshop on Noncommutative Algebra and Algebraic Geometry, Warwick, UK: June, 2004.

Conference “Algebraische Gruppen”, Oberwolfach, Germany, March, 2001; March, 2004.

Conference “Algebraic Groups and Related Topics,” Tokyo, Japan, August 2001.

Conferences on Representation Theory, Aarhus, Denmark: June, 2000 and June, 2003.

**Graduate students supervised.** Rina Anno, PhD 2008 (Harvard University); Simon Riche (co-directed by Patrick Polo), PhD 2008 (Ecole Normale); Qian Lin, PhD 2010; Chris Dodd, PhD 2011; Roman Travkin and Tsao-Hsien Chen, PhD 2012; Bhairav Singh, PhD 2013, Galyna Dobrovolska, PhD 2014 (University of Chicago, co-directed by Victor Ginzburg), Vinoth Nandakumar, PhD 2015, Dorin Boger, Dmitry Vaintrob and Michael Viscardi, PhD 2016, Gus Lonergan and Kostiantyn Tolmachov, PhD 2018, Pablo Boixeda Alvarez, Dmitry Kubrak and Guangyi Yue, PhD 2020, Andrei Ionov, PhD 2022, Oron Propp PhD 2023.

Supervising five currently enrolled MIT graduate students.

**Synergistic activities.** Member of Editorial Boards for: *Selecta Mathematica*, *Forum of Mathematics Pi* and *Sigma*.

Co-chair of the MSRI (SLMath) scientific advisory board.

Served as an organizer for conferences: 2007 and 08 at Princeton IAS, 2010, 2018 at IAS of Hebrew University, 2011 at CIRM (Luminy, France), 2010, 2014, 2018 at MIT; 2012, 2019 at Northeastern University; a section at an AMS-IMU joint meeting in Tel Aviv, Israel (2014). Main organizer for the Park City Math Institute summer program, July 2015. Main organizer of a representation theory program at the Simons Center, Stony Brook, NY, 2016 and of *Midrasha Mathematicae* (Hebrew University, 2018).

**Research interests.** Representation theory and algebraic geometry.