## ELINA ROBEVA

http://math.ubc.ca/~erobeva/
erobeva@math.ubc.ca, 650-353-0437

| Positions | University of British Columbia, Assistant Professor <br> Department of Mathematics | Vancouver, BC <br> July 2019 - present |
| :---: | :---: | :---: |
|  | Massachusetts Institute of Technology, Statistics Instructor and NSF Postdoctoral Fellow Department of Mathematics | Cambridge, MA <br> Sept 2016 - Jun 2019 |
| Education | University of California at Berkeley, <br> Mathematics Ph.D. <br> Advisor: Bernd Sturmfels | Berkeley, CA <br> Sept 2012 - May 2016 |
|  | Harvard University, <br> Master of Arts in Mathematics | $\begin{array}{r} \text { Cambridge, MA } \\ \text { Sept } 2011 \text { - June } 2012 \\ \text { GPA } 4.00 \end{array}$ |
|  | Stanford University, <br> B.S in Mathematics with Honors and Distinctions; Minor: Computer Science | Stanford, CA Sept 2007 - June 2011 GPA 4.00 |
|  | Sofia High School of Mathematics, <br> Graduated with recognition for outstanding achievements in the area of mathematics National diploma for outstanding achievements from the Minister of Education of Bulgaria | $\begin{array}{r} \text { Sofia, Bulgaria } \\ \text { June } 2007 \\ \text { GPA } 6.00 / 6.00 \end{array}$ |
| Awards \& Honors | Canada CIFAR AI Chair 2024-2029 | Vancouver, BC |
|  | AMII Fellow 2024 | Edmonton, AB |
|  | André-Aisenstadt Prize 2023 | Montreal, QC |
|  | CAIMS/PIMS Early Career Research Award 2022 | Kelowna, BC |
|  | UBC/PIMS Mathematical Sciences Young Faculty Award 2020 | Vancouver, BC |
|  | SIAM Algebraic Geometry Early Career Prize 2019 | Bern, Switzerland |
|  | Bernard Friedman Memorial Prize in Applied Mathematics (thesis award) 2016 | Berkeley, CA |
|  | Outstanding Graduate Student Instructor Award (teaching award) 2016 | Berkeley, CA |
|  | MIT Rising Stars workshop participant 2015 | Cambridge, MA |
|  | Berkeley Fellowship for outstanding doctoral applicants 2012 | Berkeley, CA |
|  | Pierce Fellowship for incoming Harvard graduate students 2011 | Cambridge, MA |
|  | Honorable Mention for the Morgan Prize for Outstanding Research in Mathematics 2011 | Stanford, CA |
|  | Undergraduate Research Award in Mathematics 2011 | Stanford, CA |
|  | Dean's Award for Academic Accomplishment 2011 | Stanford, CA |
|  | J.E.Wallace Sterling Award for Scholastic Achievement 2011 | Stanford, CA |
|  | Honorable Mention - top 75 in the Putnam Mathematical Competition 2010 | Stanford, CA |
|  | Highbridge Award for Mathematical Problem Solving 2008, 2009 | Stanford, CA |
|  | Silver Medal - International Mathematical Olympiad 2007 | Hanoi, Vietnam |
|  | Silver Medal - International Mathematical Olympiad 2006 | Ljubljana, Slovenia |
|  | Gold Medal - Balkan Mathematical Olympiad 2007 | Rhodes, Greece |
|  | Gold Medal - 2 ${ }^{\text {nd }}$ Young International Mathematical Convention 2006 | Lucknow, India |

Research I develop machine learning and optimization methods for inference in models that depict complex dependencies in Interests data. I address situations in which many commonly made yet unrealistic assumptions do not hold by leveraging the mathematical structure of the model at hand. I use pure mathematical tools such as algebra, geometry, and combinatorics, which often depict the structure of the models at hand. More precisely, I study

* causal inference algorithms for observational data (both temporal and non-temporal) in the presence of hidden variables and causal feedback loops ( $12,16,20,22,27,28,32$ );
* tensor decomposition applied to machine learning problems (6, 7, 8, 9, 14, 21, 24, 26);
* sparse inverse problems, such as super-resolution imaging (10, 29);
* high-dimensional, non-parametric density estimation that leverages dependencies between the variables $(15,17,18,19,23,25,30,31)$.

Preprints 32. Causal Inference in Directed, Possibly Cyclic, Graphical Models, with Pardis Semnani, arXiv:2305.06127
31. Log-concave Density Estimation with Orthogonal Independent Components, with Sharvaj Kubal and Christian Campbell, arXiv:2401.01500
30. Log-concave Density Estimation in Undirected Graphical Models, with Kaie Kubjas, Olga Kuznetsova, Pardis Semnani, and Luca Sodomaco, arXiv:2206.05227

Publications 29. Multivariate Super-Resolution without Separation, with Bakytzhan Kurmanbek, Information and Inference, 2023
28. Ultra-marginal Feature Importance: Learning from Data with Causal Guarantees, with Joe Janssen and Vincent Guan, AISTATS 2023
27. Third-order Moment Varieties for Non-Gaussian Graphical Models, with Carlos Améndola, Mathias Drton, Alex Grosdos, and Roser Homs, Information and Inference, 2023
26. Robust Eigenvectors of Symmetric Tensors, with Tommi Muller and Konstantin Usevich, SIAM Journal of Matrix Analysis and Applications, 2022
25. Kernel Density Estimation for Totally Positive Random Vectors, with Ali Zartash, Algebraic Statistics, 2022
24. The Set of Orthogonal Tensor Trains, with Pardis Semnani, Vietnam Journal of Mathematics, Special Issue in Honor of Bernd Sturmfels' 60th Birthday, 2022
23. Bimonotone Subdivisions of Point Configurations in the Plane, with Melinda Sun, Algebraic Statistics, 12:2 (2021) pp.125-138
22. Learning Linear Non-Gaussian Graphical Models with Multidirected Edges, with Yiheng Liu and Huanqing Wang, Journal of Causal Inference, 9:1 (2021) pp. 250-263
21. Orthogonal Decomposition of Tensor Trains, with Karim Halaseh and Tommi Muller, Linear and Multilinear Algebra, 2022
20. Multi-trek Separation in Linear Structural Equation Models, with Jean-Baptiste Seby, SIAM Journal on Applied Algebra and Geometry, 5:2 (2021) pp. 278-303
19. Optimal Rates for Estimation of Two-Dimensional Totally Positive Distributions, with Jan-Christian Hüter, Cheng Mao, and Philippe Rigollet, Electronic Journal of Statistics, 14:2 (2020) pp. 2600-2652
18. Estimation of Monge Matrices, with Jan-Christian Hüter, Cheng Mao, and Philippe Rigollet, Bernoulli, 26:4 (2020) pp. 3051-3080
17. Maximum Likelihood Estimation of Totally Positive and Log-concave Densities, with B. Sturmfels, Ngoc Tran, and C. Uhler, Scandinavian Journal of Statistics, 48:3 (2020) 817-844
16. Nested Covariance Determinants and Restricted Trek Separation in Gaussian Graphical Models, with M. Drton and L. Weihs, Bernoulli 26:4 (2020) pp. 2503-2540
15. Geometry of Log-Concave Density Estimation, with B. Sturmfels and C. Uhler, Discrete and Computational Geometry 61 (2019) pp.136-160
14. Duality of Graphical Models and Tensor Networks, with A. Seigal, Information and Inference: A Journal of the IMA, 8:2 (2019) pp. 273-288
13. Positive Semidefinite Rank and Nested Spectrahedra, with Kaie Kubjas and Richard Robinson, Linear and Multilinear Algebra, (2017/10/4), pp.1-23
12. Determinantal Generalizations of Instrumental Variables, with L. Weihs, B. Robinson, E. Dufrense, J. Kenkel, K. Kubjas, R. McGee II, N. Nguyen, and M. Drton, Journal of Causal Inference, 6:1 (2017) ISSN (Online) 2193-3685, https://doi.org/10.1515/jci-2017-0009
11. The Degree of $\operatorname{SO}(\boldsymbol{n})$, with Madeline Brandt, DJ Bruce, Taylor Brysiewicz, and Robert Krone, Combinatorial Algebraic Geometry, Fields Institute Communications, 80, Springer, New York, 2017. Editors: Gregory Smith and Bernd Sturmfels
10. Super-Resolution without Separation, with Geoffrey Schiebinger and Benjamin Recht: Information and Inference: A Journal of the IMA, iax006, https://doi.org/10.1093/imaiai/iax006
9. Singular Vectors of Orthogonally Decomposable Tensors, with Anna Seigal, Linear and Multilinear Algebra, 65:12 (2017), pp. 2457-2471
8. Orthogonal and Unitary Tensor Decomposition from an Algebraic Perspective, with Ada Boralevi, Jan Draisma and Emil Horobet, Israel Journal of Mathematics, 222:1 (2017), pp 223-260
7. Decomposing Tensors into Frames, with Luke Oeding and Bernd Sturmfels: Advances in Applied Mathematics, 73 (2016), pp. 125-153
6. Orthogonal Decomposition of Symmetric Tensors: SIAM Journal on Matrix Analysis and Applications, 37 (2016), pp. 86-102
5. Fixed Points of the EM Algorithm and Nonnegative Rank Boundaries, with Kaie Kubjas and Bernd Sturmfels: Annals of Statistics, 43:1 (2015), pp. 422-461
4. Robust Toric Ideals, with Adam Boocher: Journal of Symbolic Computation, 68 (2015), pp. 254-264
3. A Tropical Proof of the Brill-Noether Theorem, with Philip Cools, Jan Darisma and Sam Payne: Advances in Mathematics 230 (2012), pp. 759-776
2. Artificial Intelligence for Bidding Hex, with Sam Payne: Games of No Chance, edited by Richard Nowakowski.

Mathematical Sciences Research Institute Publications, 63. Cambridge University Press, Cambridge (2015), pp. 207-214

1. An Extensive Survey of Graceful Trees, Undergraduate Honors Thesis, Stanford University 2011

| Work | Google, Inc. |
| :--- | :--- |
| Experience | Software Engineering Intern in Research <br> Worked on identifying users' online behavior and grouping together different online tasks. |
|  |  |

## Facebook, Inc.

Software Engineering Intern
Developed new ways of analyzing incoming data in order to surface fake accounts.

## Invited Talks

Introduction to tensors CP decomposition, Lecture series at Tensors: Algebra, Geometry, and Applications
Learning Linear Causal Models via Algebraic Constraints, AAAI Bridge on Continuous Causality
Learning Linear Causal Models via Algebraic Constraints, Analysis of Complex Data, Banff BIRS Workshop
Learning Linear Causal Models via Algebraic Constraints, Statistics and Data Science Seminar, UCLA
Learning Linear Causal Models via Algebraic Constraints, André-Aisenstadt Prize Lecture, CRM
Learning Linear Causal Models via Algebraic Constraints, Mathematics of Machine Learning, CMS Meeting
Learning Linear Causal Models via Algebraic Constraints, Joint Statistics Meetings
Learning Linear Non-Gaussian Causal Models via Algebraic Constraints, When Causality Meets Statistics
Robust Eigenvectors of Symmetric Tensors, Joint Mathematics Meetings
Linear Non-Gaussian Causal Models, Joint Mathematics Meetings
Structured Log-Concave Density Estimation, Joint Mathematics Meetings
Structured Log-Concave Density Estimation, Oberwolfach Mathematical Institute
Log-Concave Graphical Models, KTH Royal Institute of Technology
Log-Concave Graphical Models, Combinatorial, Computational, and Applied Algebraic Geometry
Orthogonal and Incoherent Tensor Decompositions, CAIMS Annual Meeting Award Talk
Log-Concave Graphical Models, Algebraic Statistics Conference
Log-Concave Graphical Models, Algebra, Combinatorics, and Geometry Seminar, SFSU
Orthogonal and Incoherent Tensor Decompositions, University of Idaho Mathematics Colloquium
Hidden Variables in Linear Causal Models, AMS Fall Western Sectional Meeting
Log-Concave Graphical Models, SIAM Conference on Applied Algebra and Geometry
Orthogonal and Incoherent Tensor Decompositions, International Conference on Large Scale Computation

Mountain View, CA
May 2013 - Aug 2013

Palo Alto, CA
June 2010 - Sept 2010

Fort Collins, CO
Jun, 2024
Vancouver, BC
Feb, 2024
Banff, AB
May, 2024
Los Angeles, CA
May, 2024
Montreal, QC Dec, 2023
Montreal, QC Dec, 2023
Toronto, ON Aug, 2024
Paris, France Apr, 2023
Boston, MA Jan, 2023
Boston, MA
Jan, 2023
Boston, MA
Jan, 2023
Oberwolfach,Germany Dec, 2022
Online Seminar
Sep, 2022
Seattle, WA
June, 2022
Kelowna, BC June, 2022
Honolulu, HI May, 2022
Online Seminar Nov, 2021
Online Colloquium Nov, 2021
Online Conference Oct, 2021
Online Conference Aug, 2021
Online Conference Jun, 2021

Orthogonal and Incoherent Tensor Decomposition, SIAM Conference on Applied Linear Algebra
Orthogonal Tensor Decomposition, First Annual Meeting of Young Bulgarian Mathematicians
Learning Totally Positive Densities, High-dimensional Covariance Matrices, Networks and Inequalities
Orthogonal and Incoherent Tensor Decomposition, Codes and Expansions Seminar
Hidden Variables in Non-Gaussian Linear Causal Models, IPAM Workshop on Tensor Algorithms
Density Estimation under Total Positivity and Conditional Independence, UBC/PIMS Colloquium
Hidden Variables in Linear Causal Models, Number Theory and Algebraic Geometry Seminar, Simon Fraser
Estimating Totally Positive Densities, SIAM Conference on Computational Science and Engineering
Hidden Variables in Linear Causal Models, Algebra in Statistics and Computation Seminar, UW Madison
Orthogonal Decomposition of Tensor Trains, Working Geometry Seminar, Texas A\&M
Orthogonal Decomposition of Tensor Trains, Nonlinear Algebra Seminar Online
Hidden Variables in Linear Causal Models, UBC IAM Colloquium
Orthogonal Tensor Decomposition, St Andrews University Pure Mathematics Colloquium
Duality between Graphical Models and Tensor Networks, Joint Statistical Meetings 2020
Superresolution Imaging and Total Positivity, Algebraic Statistics 2020
Statistical Estimation under Total Positivity, Boise State Mathematics Colloquium
Nonparametric Density Estimation of Totally Positive Distributions, MIFODS Workshop, MIT
Orthogonal Tensor Decomposition, Seminar on Alg. Geom., Simon Fraser University
Duality of Graphical Models and Tensor Networks, AI and Tensor Factorizations Workshop
Orthogonal Tensor Decomposition, SIAM AG Conference, Early Career Prize Lecture
Nested Covariance Determinants in Gaussian Graphical Models, SIAM AG Conference
Maximum Likelihood Estimation under Total Positivity, Northeastern Pick My Brain Seminar
Statistical Estimation under Algebraic Constraints, UW Madison Machine Learning Seminar
Statistical Estimation under Algebraic Constraints, UNC Statistics and Optimization Colloquium
Algebraic Structure in Hidden Variable Models, Duke Statistics Colloquium
Statistical Estimation under Algebraic Constraints, Stanford Statistics Colloquium
Statistical Estimation under Algebraic Constraints, UBC Mathematics Colloquium
Maximum Likelihood Estimation under Total Positivity, UBC Mathematics of Information Seminar
Statistical Estimation under Algebraic Constraints, UC Irvine Mathematics
Statistical Estimation under Algebraic Constraints, Caltech CMS Frontiers
Maximum Likelihood Estimation under Total Positivity, U of Utah Stochastics Seminar
Orthogonal Tensor Decomposition, U of Utah Mathematics Colloquium
Maximum Likelihood Estimation under Total Positivity, WORDS Workshop, Fuqua School of Business
Orthogonal Tensor Decomposition, Duke Applied Math Seminar
Maximum Likelihood Estimation under Total Positivity, CU Boulder Applied Math Seminar

Online Conference
May, 2021
Online Conference May, 2021
Online Workshop May, 2021
Online Seminar May, 2021
Online Workshop May, 2021
Vancouver, BC Apr, 2021
Online Seminar Apr, 2021
Online Conference Mar, 2021
Online Seminar Feb, 2021
Online Seminar Feb, 2021
Online Seminar Nov, 2020
Online Colloquium Nov, 2020
Online Colloquium Oct, 2020
Online Workshop Aug, 2020
Online Workshop Jun, 2020 Boise, ID Mar, 2020
Cambridge, MA Jan, 2020
Vancouver, BC Oct, 2019
Santa Fe, NM Sep, 2019
Bern, Switzerland Jul, 2019
Bern, Switzerland Jul, 2019
Boston, MA Mar, 2019
Madison, WI Mar, 2019
Chapel Hill, NC Feb, 2019
Durham, NC Feb, 2019
Stanford, CA Jan, 2019
Vancouver, BC Jan, 2019
Vancouver, BC Jan, 2019 Irvine, CA Jan, 2019
Pasadena, CA Jan 2019
Salt Lake City, UT
Dec, 2018
Salt Lake City, UT Dec, 2018
Durham, NC Dec, 2018
Durham, NC Nov, 2018
Boulder, CO
Nov, 2018

Graphical Models from the Perspective of Algebra and Geometry, ICERM Nonlinear Algebra Bootcamp
Maximum Likelihood Estimation under Total Positivity, SIAM Annual meeting minisymposium
Maximum Likelihood Estimation under Total Positivity, Brandeis University
Maximum Likelihood Estimation under Total Positivity, UMass Amherst
Maximum Likelihood Estimation under Total Positivity, Applied Math Seminar at Johns Hopkins University
Maximum Likelihood Estimation under Total Positivity, Applied Math Seminar at Duke
Maximum Likelihood Estimation under Total Positivity, CAM Seminar at University of Chicago
Maximum Likelihood Estimation under Total Positivity, Microsoft Research
Maximum Likelihood Estimation under Total Positivity, CMO Oaxaca, Beyond Convexity workshop
Decomposing Tensors into Frames, SIAM-AG
Orthogonal Tensor Decomposition, CBMS workshop on Tensors
Geometry of Log-Concave Density Estimation, Oberwolfach MFO Algebraic Statistics Meeting
Geometry of Log-Concave Density Estimation, Joint Math Meetings
Superresolution without Separation, MIT LIDS Seminar
The Geometry of Positive Semidefinite Rank, AMS Special Session
Orthogonal Tensor Decomposition, ETH Zürich
Superresolution without Separation, SIAM AG 2015
Orthogonal Tensor Decomposition, SIAM AG 2015
The Geometry of Positive Semidefinite Rank, SIAM AG 2015
The Geometry of Positive Semidefinite Rank, GOAL workshop
Super-Resolution Imaging and Tchebychev Systems, Seminar in Computational Algebraic Geometry
Orthogonal Tensor Decomposition, Tensors in Computer Science and Geometry
Orthogonal Tensor Decomposition, Computational Algebraic Geometry Seminar
Orthogonal Tensor Decomposition, Benjamin Recht's Group Meeting
Robust Toric Ideals, Western Fall Sectional AMS Meeting
Orthogonal Tensor Decomposition, Western Fall Sectional AMS Meeting
Orthogonal Tensor Decomposition, AMS Meeting Eau-Claire
Orthogonally Decomposable Tensors, Workshop on the Method of Moments and Spectral Learning, ICML 2014
Orthogonally Decomposable Tensors, Optimization and Algebraic Geometry
Fixed Points of the EM Algorithm and Nonnegative Rank Boundaries, Computer Science Seminar, U Washington
Fixed Points of the EM Algorithm and Nonnegative Rank Boundaries, Applications of Real Algebraic Geometry
A Tropical Proof of the Brill-Noether Theorem, Joint Mathematical Meeting
How to win in Bidding Hex. Stanford Undergraduate Math Organization speaker series

Providence, RI
Sep, 2018
Portland, OR July, 2018
Waltham, MA Mar, 2018
Amherst, MA Feb, 2018
Baltimore, MD Feb, 2018
Durham, NC Jan, 2018
Chicago, IL Jan, 2018
Redmond, WA Nov, 2017
Oaxaca, Mexico Oct, 2017
Atlanta, GA Aug, 2017
Auburn, AL Jul, 2017
Oberwolfach,Germany Apr, 2017
Atlanta, GA Jan, 2017
Cambridge, MA Sep, 2016
Salt Lake City, UT Apr, 2016
Zürich, Switzerland Nov, 2015
Daejeon, South Korea Aug, 2015
Daejeon, South Korea Aug, 2015
Daejeon, South Korea Aug, 2015
Berkeley, CA May 2015
Berkeley, CA Mar 2015
Berkeley, CA Nov 2014
Berkeley, CA Oct 2014
Berkeley, CA Oct 2014
San Francisco, CA Oct 2014
San Francisco, CA Oct 2014
Eau-Claire, WI Sep 2014
Beijing, China Jun 2014
Daejeon, South Korea Jun 2014
Seattle, WA
May, 2014
Helsinki, Finland Mar 2014
Boston, MA Jan 2012
Stanford, CA May 2011

Vancouver, BC
Spring, 2022

Instructor and course design
UBC Math 605D Tensor Decompositions and Their Applications; a graduate student topics course

## Instructor

UBC Math 307 Applied Linear Algebra; Math 303 Introduction to Stochastic Processes; Math 302 Introduction to

## Probability; Math 223 Honors Linear Algebra

## Instructor

MIT IDS. 136 / 6.244 Graphical Models: A Combinatorial, Algebraic and Geometric Perspective Co-taught together with Caroline Uhler

## Instructor and course design

MIT IDS.S21 / 6.248 Graphical Models: A Combinatorial, Algebraic and Geometric Perspective Developed and co-taught a new class together with Caroline Uhler

## Teaching Assistant

MIT 18.03 Introduction to Differential Equations

## Graduate Student Instructor

Math 10B Methods of Mathematics: Calculus, Statistics, and Combinatorics
Teaching discussion for two sections of 25 students each. Course instructor: Bernd Sturmfels.
Math Circle Lecturer
Semesterly lectures to advanced math high-school students at UC Berkeley and UBC

## Center for Teaching and Learning - Stanford University

Appointment Tutor for Academic Years 2008-2011
Meeting students in individual appointments and helping them in Mathematics and Computer Science.

## Stanford Math Department

Grader
Grading homework for various mathematics classes: Math 42, $51 \mathrm{H}, 52 \mathrm{H}, 108,121$.

## Advanced Math Group in High School

Group leader
Organized and taught a series of lectures in advanced mathematics to prepare younger students for Mathematical Olympiads. A few of them participated successfully at the IMO.

## Academic

 ServiceTensors: Algebra, Geometry, and Applications 2024 Organizer
Summer school and workshop
IMSI Semester Long Program Organizer
Algebraic Statistics in Our Changing World

## BIRS Oaxaca Workshop Organizer

Computations and Data in Algebraic Statistics

## IPAM Semester Long Program Organizer

Tensor Methods and Emerging Applications to the Physical and Data Sciences

## Minisymposium Organization

- SIAM AG Meeting: Theory and Methods for Tensor Decomposition,
- SIAM AG Meeting: Graphical Models
- Joint Statistical Meetings: Algebraic Methods in Statistics
- SIAM Annual Meeting: Theoretical Challenges in Tensor Decomposition


## Seminar Organization

- Algebraic Statistics Online Seminar: A worldwide virtual seminar series
- MIT Seminar on Applied Algebra and Geometry: organizer and founder

Cambridge, MA

2012-2021

Fort Collins, CO
May - Jun, 2024
Chicago, IL
Sep - Dec, 2023
Vancouver, BC 2019-2023

Cambridge, MA
Spring, 2019

Cambridge, MA
Spring, 2016

Fall 2016
Berkeley, CA
Spring 2015

Stanford, CA
Apr 2008 - June 2011

Stanford, CA
Jan 2008 - June 2011

Sofia, Bulgaria
Sept 2006 - May 2007

Oaxaca, Mexico
May, 2023
Los Angeles, CA
Mar - Jun, 2021

Bern, Switzerland Jul 2019
Bern, Switzerland Jul 2019
Vancouver, BC Jul 2018
Portland, OR
Jul 2018
Online seminar
2020-2021
Cambridge, MA 2017-2018

| Students | Graduate Students |  |
| :--- | :---: | :---: |
| and | $\square$ | Cole Gigliotti (UBC) |
| Postdocs | $\square$ | Hossein Rahmani (UBC) |

- Bakytzhan Kurmanbek (UBC)
- Reza Sadoughian (UBC)
- Mateusz Faltyn (UBC)
- Bakytzhan Kurmanbek (UBC)

D Damara Gagnier (UBC)

- Jean-Baptiste Seby (MIT)

Undergraduate Students

- Aditya Raj Dash (MITACS)
- Zixuan Yao (MITACS)
- Joshua Boyd (UBC)
- Young Lin (UBC)
- Chrisian Campbell (UBC)
- Niko Nikov (UBC)
- Alex Dong (UBC)
- Jaipratap Grewal (UToronto)
- Tommi Muller (UBC)
- Karim Halaseh (UBC)
- Yiheng Liu (UBC)
- Huanqing Wang (UBC)
- Ali Zartash (MIT)
- Melinda Sun (MIT)

Postdocs

- Maksym Zubkov (UBC)
- Marina Garrote-López (UBC)

