

ELINA ROBEVA

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Positions	University of British Columbia, <i>Assistant Professor</i> Department of Mathematics	Vancouver, BC July 2019 - present
	Massachusetts Institute of Technology, <i>Statistics Instructor and NSF Postdoctoral Fellow</i> Department of Mathematics	Cambridge, MA Sept 2016 - Jun 2019
Education	University of California at Berkeley, <i>Mathematics Ph.D.</i> Advisor: Bernd Sturmfels	Berkeley, CA Sept 2012 - May 2016
	Harvard University, <i>Master of Arts in Mathematics</i>	Cambridge, MA Sept 2011 - June 2012 GPA 4.00
	Stanford University, <i>B.S in Mathematics with Honors and Distinctions; Minor: Computer Science</i>	Stanford, CA Sept 2007 – June 2011 GPA 4.00
	Sofia High School of Mathematics, <i>Graduated with recognition for outstanding achievements in the area of mathematics</i> <i>National diploma for outstanding achievements from the Minister of Education of Bulgaria</i>	Sofia, Bulgaria June 2007 GPA 6.00/6.00
Awards & Honors	André-Aisenstadt Prize 2023 CAIMS/PIMS Early Career Research Award 2022 UBC/PIMS Mathematical Sciences Young Faculty Award 2020 SIAM Algebraic Geometry Early Career Prize 2019 Bernard Friedman Memorial Prize in Applied Mathematics (thesis award) 2016 Outstanding Graduate Student Instructor Award (teaching award) 2016 MIT Rising Stars workshop participant 2015 Berkeley Fellowship for outstanding doctoral applicants 2012 Pierce Fellowship for incoming Harvard graduate students 2011 Honorable Mention for the Morgan Prize for Outstanding Research in Mathematics 2011 Undergraduate Research Award in Mathematics 2011 Dean's Award for Academic Accomplishment 2011 J.E.Wallace Sterling Award for Scholastic Achievement 2011 Honorable Mention – top 75 in the Putnam Mathematical Competition 2010 Highbridge Award for Mathematical Problem Solving 2008, 2009 Silver Medal – International Mathematical Olympiad 2007 Silver Medal – International Mathematical Olympiad 2006 Gold Medal – Balkan Mathematical Olympiad 2007 Gold Medal – 2 nd Young International Mathematical Convention 2006	Montreal, QC Kelowna, BC Vancouver, BC Bern, Switzerland Berkeley, CA Berkeley, CA Cambridge, MA Berkeley, CA Cambridge, MA Stanford, CA Stanford, CA Stanford, CA Stanford, CA Stanford, CA Stanford, CA Hanoi, Vietnam Ljubljana, Slovenia Rhodes, Greece Lucknow, India
Research Interests	I develop machine learning and optimization methods for inference in models that depict complex dependencies in 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. This leads to machine learning algorithms with rigorous theoretical guarantees that work in more general and realistic settings. My work spans causal inference, graphical models, tensor decomposition, non-parametric density estimation, hidden variable models, and super-resolution imaging. For example, I develop theory and algorithms for: <ul style="list-style-type: none">❖ 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 leverage dependencies between the variables (15, 17, 18, 19, 23, 25, 30, 31). In addition to traditional tools from analysis, I utilize pure mathematical tools such as algebra, geometry, and combinatorics, which often depict the structure of the models at hand. On the applied side, I have recently started collaborating with climate scientists to infer causal relationships among climate variables from time series data.	
Preprints	32. Causal Inference in Directed, Possibly Cyclic, Graphical Models , with Pardis Semnani, <i>arXiv:2305.06127</i>	
	31. Log-concave Density Estimation with Orthogonal Independent Components , with Sharvaj Kubal and Christian Campbell, <i>submitted</i> .	

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, *to appear in 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, *to appear in 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, 2021*

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 $SO(n)$, 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 Booher: *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 Experience

Google, Inc.

Software Engineering Intern in Research

Worked on identifying users' online behavior and grouping together different online tasks.

Mountain View, CA
May 2013 – Aug 2013

Facebook, Inc.

Software Engineering Intern

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

Palo Alto, CA
June 2010 – Sept 2010

Invited Talks

Learning Linear Non-Gaussian Causal Models via Algebraic Constraints, When Causality Meets Statistics

Paris, France

Apr, 2023

Robust Eigenvectors of Symmetric Tensors, Joint Mathematics Meetings

Boston, MA

Jan, 2023

Linear Non-Gaussian Causal Models, Joint Mathematics Meetings

Boston, MA

Jan, 2023

Structured Log-Concave Density Estimation, Joint Mathematics Meetings

Boston, MA

Jan, 2023

Structured Log-Concave Density Estimation, Oberwolfach Mathematical Institute

Oberwolfach, Germany

Dec, 2022

Log-Concave Graphical Models, KTH Royal Institute of Technology

Online Seminar

Sep, 2022

Log-Concave Graphical Models, Combinatorial, Computational, and Applied Algebraic Geometry

Seattle, WA

June, 2022

Orthogonal and Incoherent Tensor Decompositions, CAIMS Annual Meeting Award Talk

Kelowna, BC

June, 2022

Log-Concave Graphical Models, Algebraic Statistics Conference

Honolulu, HI

May, 2022

Log-Concave Graphical Models, Algebra, Combinatorics, and Geometry Seminar, SFSU

Online Seminar

Nov, 2021

Orthogonal and Incoherent Tensor Decompositions, University of Idaho Mathematics Colloquium

Online Colloquium

Nov, 2021

Hidden Variables in Linear Causal Models, AMS Fall Western Sectional Meeting

Online Conference

Oct, 2021

Log-Concave Graphical Models, SIAM Conference on Applied Algebra and Geometry

Online Conference

Aug, 2021

Orthogonal and Incoherent Tensor Decompositions, International Conference on Large Scale Computation

Online Conference

Jun, 2021

Orthogonal and Incoherent Tensor Decomposition, SIAM Conference on Applied Linear Algebra

Online Conference

May, 2021

Orthogonal Tensor Decomposition, First Annual Meeting of Young Bulgarian Mathematicians

Online Conference

May, 2021

Learning Totally Positive Densities, High-dimensional Covariance Matrices, Networks and Inequalities

Online Workshop

May, 2021

Orthogonal and Incoherent Tensor Decomposition, Codes and Expansions Seminar

Online Seminar

May, 2021

Hidden Variables in Non-Gaussian Linear Causal Models, IPAM Workshop on Tensor Algorithms

Online Workshop

May, 2021

<i>Density Estimation under Total Positivity and Conditional Independence</i> , UBC/PIMS Colloquium	Vancouver, BC Apr, 2021
<i>Hidden Variables in Linear Causal Models</i> , Number Theory and Algebraic Geometry Seminar, Simon Fraser	Online Seminar Apr, 2021
<i>Estimating Totally Positive Densities</i> , SIAM Conference on Computational Science and Engineering	Online Conference Mar, 2021
<i>Hidden Variables in Linear Causal Models</i> , Algebra in Statistics and Computation Seminar, UW Madison	Online Seminar Feb, 2021
<i>Orthogonal Decomposition of Tensor Trains</i> , Working Geometry Seminar, Texas A&M	Online Seminar Feb, 2021
<i>Orthogonal Decomposition of Tensor Trains</i> , Nonlinear Algebra Seminar Online	Online Seminar Nov, 2020
<i>Hidden Variables in Linear Causal Models</i> , UBC IAM Colloquium	Online Colloquium Nov, 2020
<i>Orthogonal Tensor Decomposition</i> , St Andrews University Pure Mathematics Colloquium	Online Colloquium Oct, 2020
<i>Duality between Graphical Models and Tensor Networks</i> , Joint Statistical Meetings 2020	Online Workshop Aug, 2020
<i>Superresolution Imaging and Total Positivity</i> , Algebraic Statistics 2020	Online Workshop Jun, 2020
<i>Statistical Estimation under Total Positivity</i> , Boise State Mathematics Colloquium	Boise, ID Mar, 2020
<i>Nonparametric Density Estimation of Totally Positive Distributions</i> , MIFODS Workshop, MIT	Cambridge, MA Jan, 2020
<i>Orthogonal Tensor Decomposition</i> , Seminar on Alg. Geom., Simon Fraser University	Vancouver, BC Oct, 2019
<i>Duality of Graphical Models and Tensor Networks</i> , AI and Tensor Factorizations Workshop	Santa Fe, NM Sep, 2019
<i>Orthogonal Tensor Decomposition</i> , SIAM AG Conference, Early Career Prize Lecture	Bern, Switzerland Jul, 2019
<i>Nested Covariance Determinants in Gaussian Graphical Models</i> , SIAM AG Conference	Bern, Switzerland Jul, 2019
<i>Maximum Likelihood Estimation under Total Positivity</i> , Northeastern Pick My Brain Seminar	Boston, MA Mar, 2019
<i>Statistical Estimation under Algebraic Constraints</i> , UW Madison Machine Learning Seminar	Madison, WI Mar, 2019
<i>Statistical Estimation under Algebraic Constraints</i> , UNC Statistics and Optimization Colloquium	Chapel Hill, NC Feb, 2019
<i>Algebraic Structure in Hidden Variable Models</i> , Duke Statistics Colloquium	Durham, NC Feb, 2019
<i>Statistical Estimation under Algebraic Constraints</i> , Stanford Statistics Colloquium	Stanford, CA Jan, 2019
<i>Statistical Estimation under Algebraic Constraints</i> , UBC Mathematics Colloquium	Vancouver, BC Jan, 2019
<i>Maximum Likelihood Estimation under Total Positivity</i> , UBC Mathematics of Information Seminar	Vancouver, BC Jan, 2019
<i>Statistical Estimation under Algebraic Constraints</i> , UC Irvine Mathematics	Irvine, CA Jan, 2019
<i>Statistical Estimation under Algebraic Constraints</i> , Caltech CMS Frontiers	Pasadena, CA Jan 2019
<i>Maximum Likelihood Estimation under Total Positivity</i> , U of Utah Stochastics Seminar	Salt Lake City, UT Dec, 2018
<i>Orthogonal Tensor Decomposition</i> , U of Utah Mathematics Colloquium	Salt Lake City, UT Dec, 2018
<i>Maximum Likelihood Estimation under Total Positivity</i> , WORDS Workshop, Fuqua School of Business	Durham, NC Dec, 2018
<i>Orthogonal Tensor Decomposition</i> , Duke Applied Math Seminar	Durham, NC Nov, 2018
<i>Maximum Likelihood Estimation under Total Positivity</i> , CU Boulder Applied Math Seminar	Boulder, CO Nov, 2018
<i>Graphical Models from the Perspective of Algebra and Geometry</i> , ICERM Nonlinear Algebra Bootcamp	Providence, RI Sep, 2018
<i>Maximum Likelihood Estimation under Total Positivity</i> , SIAM Annual meeting minisymposium	Portland, OR July, 2018
<i>Maximum Likelihood Estimation under Total Positivity</i> , Brandeis University	Waltham, MA Mar, 2018
<i>Maximum Likelihood Estimation under Total Positivity</i> , UMass Amherst	Amherst, MA Feb, 2018
<i>Maximum Likelihood Estimation under Total Positivity</i> , Applied Math Seminar at Johns Hopkins University	Baltimore, MD Feb, 2018

<i>Maximum Likelihood Estimation under Total Positivity</i> , Applied Math Seminar at Duke	Durham, NC Jan, 2018
<i>Maximum Likelihood Estimation under Total Positivity</i> , CAM Seminar at University of Chicago	Chicago, IL Jan, 2018
<i>Maximum Likelihood Estimation under Total Positivity</i> , Microsoft Research	Redmond, WA Nov, 2017
<i>Maximum Likelihood Estimation under Total Positivity</i> , CMO Oaxaca, Beyond Convexity workshop	Oaxaca, Mexico Oct, 2017
<i>Decomposing Tensors into Frames</i> , SIAM-AG	Atlanta, GA Aug, 2017
<i>Orthogonal Tensor Decomposition</i> , CBMS workshop on Tensors	Auburn, AL Jul, 2017
<i>Geometry of Log-Concave Density Estimation</i> , Oberwolfach MFO Algebraic Statistics Meeting	Oberwolfach, Germany Apr, 2017
<i>Geometry of Log-Concave Density Estimation</i> , Joint Math Meetings	Atlanta, GA Jan, 2017
<i>Superresolution without Separation</i> , MIT LIDS Seminar	Cambridge, MA Sep, 2016
<i>The Geometry of Positive Semidefinite Rank</i> , AMS Special Session	Salt Lake City, UT Apr, 2016
<i>Orthogonal Tensor Decomposition</i> , ETH Zürich	Zürich, Switzerland Nov, 2015
<i>Superresolution without Separation</i> , SIAM AG 2015	Daejeon, South Korea Aug, 2015
<i>Orthogonal Tensor Decomposition</i> , SIAM AG 2015	Daejeon, South Korea Aug, 2015
<i>The Geometry of Positive Semidefinite Rank</i> , SIAM AG 2015	Daejeon, South Korea Aug, 2015
<i>The Geometry of Positive Semidefinite Rank</i> , GOAL workshop	Berkeley, CA May 2015
<i>Super-Resolution Imaging and Tchebychev Systems</i> , Seminar in Computational Algebraic Geometry	Berkeley, CA Mar 2015
<i>Orthogonal Tensor Decomposition</i> , Tensors in Computer Science and Geometry	Berkeley, CA Nov 2014
<i>Orthogonal Tensor Decomposition</i> , Computational Algebraic Geometry Seminar	Berkeley, CA Oct 2014
<i>Orthogonal Tensor Decomposition</i> , Benjamin Recht's Group Meeting	Berkeley, CA Oct 2014
<i>Robust Toric Ideals</i> , Western Fall Sectional AMS Meeting	San Francisco, CA Oct 2014
<i>Orthogonal Tensor Decomposition</i> , Western Fall Sectional AMS Meeting	San Francisco, CA Oct 2014
<i>Orthogonal Tensor Decomposition</i> , AMS Meeting Eau-Claire	Eau-Claire, WI Sep 2014
<i>Orthogonally Decomposable Tensors</i> , Workshop on the Method of Moments and Spectral Learning, ICML 2014	Beijing, China Jun 2014
<i>Orthogonally Decomposable Tensors</i> , Optimization and Algebraic Geometry	Daejeon, South Korea Jun 2014
<i>Fixed Points of the EM Algorithm and Nonnegative Rank Boundaries</i> , Computer Science Seminar, U Washington	Seattle, WA May, 2014
<i>Fixed Points of the EM Algorithm and Nonnegative Rank Boundaries</i> , Applications of Real Algebraic Geometry	Helsinki, Finland Mar 2014
<i>A Tropical Proof of the Brill-Noether Theorem</i> , Joint Mathematical Meeting	Boston, MA Jan 2012
<i>How to win in Bidding Hex</i> . Stanford Undergraduate Math Organization speaker series	Stanford, CA May 2011

Teaching Experience

Instructor and course design <i>UBC Math 605D Graphical Models and Causal Inference</i>	Vancouver, BC Spring, 2022
Instructor and course design <i>UBC Math 605D Tensor Decompositions and Their Applications; a graduate student topics course</i>	Vancouver, BC Fall, 2020, 2022
Instructor <i>UBC Math 307 Applied Linear Algebra; Math 303 Introduction to Stochastic Processes; Math 302 Introduction to Probability; Math 223 Honors Linear Algebra</i>	Vancouver, BC 2019-2023

Instructor <i>MIT IDS.136 / 6.244 Graphical Models: A Combinatorial, Algebraic and Geometric Perspective</i> Co-taught together with Caroline Uhler	Cambridge, MA Spring, 2019
Instructor and course design <i>MIT IDS.S21 / 6.248 Graphical Models: A Combinatorial, Algebraic and Geometric Perspective</i> Developed and co-taught a new class together with Caroline Uhler	Cambridge, MA Spring, 2016
Teaching Assistant <i>MIT 18.03 Introduction to Differential Equations</i>	Cambridge, MA Fall 2016
Graduate Student Instructor <i>Math 10B Methods of Mathematics: Calculus, Statistics, and Combinatorics</i> Teaching discussion for two sections of 25 students each. Course instructor: Bernd Sturmfels.	Berkeley, CA Spring 2015
Math Circle Lecturer Semesterly lectures to advanced math high-school students at UC Berkeley and UBC	2012 - 2021
Center for Teaching and Learning – Stanford University <i>Appointment Tutor for Academic Years 2008-2011</i> Meeting students in individual appointments and helping them in Mathematics and Computer Science.	Stanford, CA Apr 2008 – June 2011
Stanford Math Department <i>Grader</i> Grading homework for various mathematics classes: Math 42, 51H, 52H, 108, 121.	Stanford, CA Jan 2008 – June 2011
Advanced Math Group in High School <i>Group leader</i> 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.	Sofia, Bulgaria Sept 2006 – May 2007

Academic Service	IMSI Semester Long Program Organizer <i>Algebraic Statistics in Our Changing World</i>	Chicago, IL Sep - Dec, 2023
	BIRS Oaxaca Workshop Organizer <i>Computations and Data in Algebraic Statistics</i>	Oaxaca, Mexico May, 2023
	IPAM Semester Long Program Organizer <i>Tensor Methods and Emerging Applications to the Physical and Data Sciences</i>	Los Angeles, CA Mar - Jun, 2021
	Minisymposium Organization	
	<input type="checkbox"/> SIAM AG Meeting: Theory and Methods for Tensor Decomposition, <input type="checkbox"/> SIAM AG Meeting: Graphical Models <input type="checkbox"/> Joint Statistical Meetings: Algebraic Methods in Statistics <input type="checkbox"/> SIAM Annual Meeting: Theoretical Challenges in Tensor Decomposition	Bern, Switzerland Jul 2019 Bern, Switzerland Jul 2019 Vancouver, BC Jul 2018 Portland, OR Jul 2018
Seminar Organization		
<input type="checkbox"/> Algebraic Statistics Online Seminar: A worldwide virtual seminar series <input type="checkbox"/> MIT Seminar on Applied Algebra and Geometry: organizer and founder	Online seminar 2020 – 2021 Cambridge, MA 2017 – 2018	

Students and Postdocs	Graduate Students
	<input type="checkbox"/> Pardis Semnani (UBC)
	<input type="checkbox"/> Bakytzhan Kurmanbek (UBC)
	<input type="checkbox"/> Reza Sadoughian (UBC)
	<input type="checkbox"/> Mateusz Faltyn (UBC)
	<input type="checkbox"/> Bakytzhan Kurmanbek (UBC)
	<input type="checkbox"/> Damara Gagnier (UBC)
	<input type="checkbox"/> Jean-Baptiste Seby (MIT)
	Undergraduate Students
	<input type="checkbox"/> Joshua Boyd (UBC)
<input type="checkbox"/> 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

- Marina Garrote-López (UBC)**