CONTACT	Louisiana State University	ana@math.lsu.edu
	Department of Mathematics	https://math.lsu.edu/~ana
	Baton Rouge, LA 70803	

APPOINTMENTS

Louisiana State University

Tenure-track Assistant Professor   August 2023–present

Harvard University

Benjamin Peirce Fellow   July 2017–July 2023

NSF Postdoctoral Fellow (Sponsor: Dennis Gaitsgory)   July 2019–July 2022

EDUCATION

University of Chicago

Ph.D. in Mathematics (Advisor: Victor Ginzburg)   June 2017

M.S. in Mathematics   June 2013

California Institute of Technology

B.S. in Mathematics with Honors   June 2011

PUBLICATIONS AND PREPRINTS

An analogue of Whittaker reduction for group-valued moment maps
arXiv:2410.10785.

Wonderful varieties with a view towards Poisson geometry (expository)
arXiv:2307.06663

Reduction along strong Dirac maps (with M. Mayrand)
arXiv:2210.07200

A quasi-Poisson structure on the multiplicative Grothendieck–Springer resolution
Contemporary Math. 790:1–14, 2023.

Steinberg slices and group-valued moment maps
Adv. Math. 402, 2022.

Perverse sheaves and the cohomology of regular Hessenberg varieties (with P. Crooks)
Transform. Groups, 29:909–933, 2024.

The partial compactification of the universal centralizer
Selecta Math. 29:85, 2023.

The Peterson variety and the wonderful compactification
Represent. Theory 21:132–150, 2017.

GRANTS AND AWARDS

2024–2027	NSF Algebra and Number Theory Standard Grant (DMS–2401514, 298 659 USD)
2024	André Lichnerowicz Prize in Poisson Geometry
2019–2023	NSF Mathematical Sciences Postdoctoral Research Fellowship (DMS–1902921, 150 000 USD)
2017–2023	Certificates of Teaching Excellence, Harvard University (eight awards)

	2015	Lawrence and Josephine Graves Teaching Award, University of Chicago
	2011–2012	GAANN Fellowship, University of Chicago

CONFERENCE GRANTS	2024	NSF Conference Grant "Poisson 2024 Summer School and Conference" (DMS–2414532, 17 000 USD, sole PI)
	2021	NSF Conference Grant "Lie theory and Poisson geometry" (DMS–2134169, 20 000 USD, sole PI)

CONFERENCE AND SEMINAR TALKS	November 2024	GAMMA seminar, University of Warsaw.
	November 2024	Workshop on Poisson geometry and related topics, UFAM.
	July 2024	Poisson 2024 Conference, Naples, Italy.
	April 2024	Joint symplectic geometry seminar, UIUC–WUSTL.
	April 2024	"Gone Fishing" Poisson geometry conference, Northwestern University.
	April 2024	Algebraic geometry seminar, SUNY Stony Brook.
	March 2024	Geometry seminar, Radboud Universiteit Nijmegen.
	November 2023	Mathematics seminar, Montana State University.
	October 2023	Special session on "The representation theory of finite and algebraic groups," AMS Fall Southeastern Sectional Meeting.
	September 2023	Geometry and topology seminar, LSU.
	September 2023	Trends in representation theory and related topics, UBB.
	September 2023	Geometric representation theory and W-algebras, ICMS Edinburgh.
	April 2023	Infinite-dimensional algebra seminar, MIT.
	March 2023	"Gone Fishing" Poisson geometry conference, Amherst College.
	February 2023	Geometry and physics seminar, Boston University.
	December 2022	Symplectic geometry seminar, IMPA.
	June 2022	Fourth Canada–Mexico–USA Conference in Representation Theory, Noncommutative Algebra, and Categorification, Northeastern University.
	April 2022	Geometry, symmetry, and physics seminar, Yale University.
	April 2022	"Gone Fishing" Poisson geometry conference, Georgia Southern University.
	April 2022	Algebraic geometry seminar, Harvard University.
	March 2022	Algebraic geometry seminar, Stanford University.
	October 2021	Algebraic geometry seminar, WUSTL.
	October 2021	"Compactifications, Configurations, and Cohomology," Northeastern University.
	June 2021	Global Poisson Geometry Webinar.
	May 2021	Special session on "Categorical and combinatorial methods in representation theory and related topics," AMS Spring Western Sectional Meeting.
	March 2021	Algebra seminar, Virginia Tech.
	December 2020	Geometry in Algebra and Algebra in Geometry, UFF.
	December 2020	Session on "The Algebraic Geometry of Integrable Systems," CMS Winter Meeting, McGill University.

November 2020	Geometric representation theory seminar, University of Toronto.
September 2020	"Friday Fish" seminar, Utrecht University.
June 2020	Geometric representation theory twinned conference, Perimeter Institute and MPI Bonn.
June 2020	Lie theory and integrable systems in symplectic and Poisson geometry, Fields Institute.
December 2019	International conference on Poisson geometry, IMPA.
April 2019	Symplectic Representation Theory, CIRM.
January 2019	Geometry and algebra, geometry and analysis seminar, Utrecht University.
June 2018	International conference on geometric representation theory and symplectic varieties, University of Notre Dame.
April 2018	Representation theory seminar, UMass Amherst.
April 2018	Infinite-dimensional algebra seminar, MIT.
February 2018	Mathematical physics seminar, Perimeter Institute.
December 2017	Transformation Groups 2017, Moscow, Russia.
November 2017	Geometry, physics, and representation theory seminar, Northeastern University.
November 2017	Symplectic and Poisson geometry seminar, UIUC.
October 2017	Geometric representation theory seminar, MIT.
October 2017	Geometry and physics seminar, Boston University.
May 2017	"Gone Fishing" Poisson geometry conference, University of Notre Dame.
December 2016	Integrability and representation theory seminar, UIUC.
October 2016	Algebraic geometry seminar, University of Notre Dame.
August 2016	ICRA 2016, Syracuse University.

MINICOURSES AND EXPOSITIONS	October 2023	*Moment maps in geometric representation theory* Lecture series Graduate research seminar, Northeastern University.
	July 2022	*Wonderful varieties with a view towards Poisson geometry* Minicourse Poisson 2022 summer school, Barcelona, Spain.
	June 2022	*Desingularization in Poisson geometry* Lecture series (with I. Mărcuţ) Poisson geometry, Lie groupoids, and differentiable stacks, BIRS.
	April 2019	*Introduction to spherical varieties* Expository lecture "Pick-My-Brain" seminar, Northeastern University.
	September 2018	*The wonderful compactification* Expository lecture Women@AGNES, Brown University.

CONFERENCE ORGANIZATION	August 2026	Connections workshop: Representation theory under the influence of quantum field theory, MSRI/SLMath.
	August 2025	Around singularities in Poisson geometry, BIRS–IASM Hangzhou.

2024–present	Advisory committee of the Poisson 20xx series.
2023–present	Steering committee of the "Gone Fishing" conference series.
January 2022	Lie theory and Poisson geometry, CIRM.
May 2021	Special Session on "Geometric and Categorical Methods in Representation Theory," AMS Spring Western Sectional Meeting.

SEMINAR ORGANIZATION

2017–2023	Open Neighborhood Seminar, Harvard University.
Spring 2018	Snapshots of Math at Harvard, Harvard University.
2014–2017	Representation theory student seminar, University of Chicago.
Fall 2012	Geometric invariant theory learning seminar, University of Chicago.

TEACHING EXPERIENCE

At Louisiana State University:

2024–2025	Honors differential and integral calculus (Math 1551) Vertically Integrated Research: The geometry of matroids (Math 4992)
2023–2024	Honors differential and integral calculus (Math 1551)

At Harvard University:

2022–2023	Linear algebra and applications (Math 121) Complex analysis (Math 113)
2021–2022	Topological spaces and the fundamental group (Math 131) Complex analysis (Math 113)
2020–2021	Sets, groups, and topology (Math 101)
2018–2019	Theory of groups and vector spaces (Math 122) Graduate algebra (Math 221) Linear algebra and differential equations (Math 21b)
2017–2018	Number theory (Math 124) Linear algebra and differential equations (Math 21b) Representation theory, geometry, and the wonderful compactification (graduate topics course) (Math 279)

At the University of Chicago:

2016–2017	Calculus III (Math 153) SESAME Algebra I (Math 509) Honors calculus III IBL (Math 163)
2015–2016	Honors calculus I IBL (Math 161) Honors calculus II IBL (Math 162) Honors calculus III IBL (Math 163) SESAME Algebra I (Math 509)
2014–2015	Calculus III (Math 153) Geometry IBL (Math 176) SESAME History of mathematics (Math 510)
2013–2014	Calculus I (Math 151) Calculus II (Math 152) Calculus III (Math 153)

SERVICE TO THE DEPARTMENT	**At Harvard:**	
	2022–2023	Intensive undergraduate advising committee
	2021–2022	Intensive undergraduate advising committee Qualifying exam committee
	2020–2021	Assistant director of graduate studies Graduate admissions committee
	2018–2019	Intensive undergraduate advising committee
	2017–2018	Graduate admissions committee
	At the University of Chicago:	
	Fall 2013	Organizer for the Warm-Up Program (WOMP) for incoming first-year graduate students

OTHER ACTIVITIES	2022–present	Ph.D. thesis committee member for Maarten Mol (Utrecht), Kevin Lin (Harvard).
	2018–present	Referee and quick opinion for Adv. Math., Contemporary Math., ÉpiGA, IMRN, JAG, La Mathematica, Math. Z., Rev. Mat. Iberoam., Selecta Math., TAMS, Transform. Groups.
	May 2021	Volunteer organizational team for the Women and Math Program in Representation Theory: Categories and Combinatorics, IAS.
	Winter 2014	Proofreader for the book "A concise course in complex analysis and Riemann surfaces" by Wilhelm Schlag, University of Chicago.
	Spring 2013	Mentor in the Directed Reading Program, University of Chicago.

CITIZENSHIP	Romania, USA.
LANGUAGES	Romanian (native), English (nativelike), French (intermediate).