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Date of birth: 26/12/1991
Nationality: French   and
Canadian

Education and Academic career

2019 –	Universität Wien, Vienna. **Postdoctoral Researcher** in the team of Anton Mellit.
2016 – 2019	Université Paris Diderot, Paris. **PhD in Mathematics**, Advisor: David Hernandez.
July 2016	**Agrégation de mathématiques**, French diploma for higher education teaching.
2015 – 2016	Université Pierre et Marie Curie, Paris. **M.Sc. of teaching in Mathematics**, Summa cum Laude. Training for higher education teaching.
2014 – 2015	Université Paris Diderot, Paris, France. **M.Sc. in Fundamental Mathematics**, Summa cum Laude.
2012 – 2014	École Normale Supérieure (ENS), Paris. First year of M.Sc. in Fundamental Mathematics. **B.Sc. in Mathematics**, with high honors.
2009 – 2012	Lycée du Parc, Lyon, France. Completed a three-year scientific program in preparation for the national "Grandes Écoles" competitive exam.

Publications

November 2019	*A quantum cluster algebra approach to representations of simply-laced quantum affine algebras*, accepted in Mathematische Zeitschrift, preprint: arXiv:1911.13110.
July 2019	PhD Thesis: *Quantum Grothendieck rings, cluster algebras and quantum affine category $\mathcal{O}$*.
February 2019	*Quantum Grothendieck rings as quantum cluster algebras*, in Journal of the London Mathematical Society.
August 2018	*Asymptotics of Standard Modules of Quantum Affine Algebras*, in Algebras and Representation Theory.
September 2015	Master Thesis: *Representations of the Yangian in Deligne's category $Rep(Gl_t)$*.

Teaching

July 2020	École Normale Supérieure Admission Examination. **Examiner** for the *Mathématiques D* paper, Admission board.
2019 –	Lycée Français de Vienne, Vienna, Austria. Occasional substitute teacher in senior and junior high school classes.
2017 – 2019	Université Paris Diderot, Paris, France. **Teaching Assistant** in Mathematics, for second year B.Sc. students preparing for engineer schools.
2016 – 2017	Université Paris Diderot, Paris, France. **Teaching Assistant** in Mathematics, for first year B.Sc. students majoring in Computer Science.
2013 – 2015	Lycée Saint Louis, Paris, France. **Oral examiner** in Mathematics.

Research visits

May 2018	UC Riverside, Riverside, USA.
	Visited Pr. Vyjayanthi Chari.
March – July 2015	Massachusetts Institute of Technology, Boston, USA.
	Research internship in Mathematics. Advisor: Pr. Pavel Etingof.

Some talks

Decembre 2020	Quantum Groups and Cohomology Theory of Quiver and Flag Varieties, CIRM, Zoom.
	Monoidal categorification of cluster algebra and quantum affine Schur-Weyl duality .
November 2020	Quantum Algebra Days, IMAG, Montpellier, Zoom.
	Anneaux de Grothendieck quantiques, vers les types non simplement lacés.
June 2020	ARTIN Workshop, University of Nottingham, Zoom.
	t-deformations of Grothendieck rings as quantum cluster algebras.
February 2020	Colloque Tournant du GDR TLAG, IHP, Paris, France.
	Représentations des algèbres affines quantiques du point de vue des algèbres amassées quantiques.
January 2019	Séminaire Groupes, Représentations et Géométrie, Université Paris-Diderot, Paris, France.
	Anneaux de Grothendieck quantiques et algèbres amassées quantiques.
December 2018	XXV Brazilian Algebra School, Campinas, Brazil.
	t-deformations of Grothendieck rings as quantum cluster algebras.
June 2018	Quantum Affine Algebras, Washington DC, USA.
	t-deformations of Grothendieck rings as quantum cluster algebras.
May 2018	UC Riverside, Riverside, USA.
	Asymptotics of standard modules of quantum affine algebras.
January 2017	Geometry and Representation Theory, ESI, Vienna, Austria.
	Quantum Grothendieck Rings and Baxter relations.

Administration

· **Reviewer** for the following journals: *Journal of the London Mathematical Society*, *Journal of Algebra*, *Algebra and Representation Theory* and *AMS Mathematical Reviews*.
· Member of the PhD Student Body at the Institut de Mathématiques de Jussieu-Paris Rive Gauche (IMJ-PRG).
· Organizer of biannual meetings between graduate students and PhD students.
· Member of the Gender Equality Committee of the IMJ-PRG.