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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.
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*, 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*, preprint: arXiv:1902.00502.
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 $Rep(Gl_t)$*.

Talks - Posters

February 2020	COLLOQUE TOURNANT DU GDR TLAG, IHP, Paris, France.
	Représentations des algèbres affines quantiques du point de vue des algèbres amassées quantiques.
November 2019	SEMINAR "REPRESENTATION THEORY AND AUTOMORPHIC FORMS", UNIVERSITÄT WIEN, Vienna, Austria.
	R-matrices and quantum groups.
June 2019	CLUSTER ALGEBRA 2019, POSTER OF THE DAY, Kyoto, Japan.
	Quantum Grothendieck rings as quantum cluster algebras.
March 2019	NUMBER THEORY SEMINAR, UNIVERSITÄT WIEN, Vienna, Austria.
	Representations of quantum affine algebras via cluster algebras.
February 2019	TENURE-TRACK TALK, UC RIVERSIDE, Riverside, USA.
	Baxter relation, cluster algebras and quantum cluster algebras.
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.
November 2018	Oberseminar Algebra, Universität zu Köln, Cologne, Germany.
	t-deformations of Grothendieck rings as quantum cluster algebras.
November 2018	Aachen University, Aachen, Germany.
	Asymptotics of standard modules of quantum affine algebras .
November 2018	Mathematical Physics Seminar, ETH, Zurich.
	Quantum Grothendieck rings for quantum affine 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.

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.

Teaching

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.

Administration

· **Reviewer** for the following journals: *Journal of the London Mathematical Society*, *Journal of Algebra* and *MathSciNet*.
· 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.

Languages

French:	Native speaker.
English:	Fluent.
Spanish:	Good working knowledge.

Interests and Activities

· Sports: Basketball (University Championship), Scuba Diving (Open Water Diver), Cheerleading in ENS's squad, running.
· Computer skills : good knowledge of *Caml*, *Maple* and *LateX*.