

CURRICULUM VITAE

Alice Pozzi

PERSONAL DATA

Alice Pozzi

Imperial College London
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OCCUPATION

01/08/2023 onwards

University of Bristol, UK

Lecturer in Pure Mathematics

01/08/2022–31/07/2023

Imperial College London, UK

Research Associate

supported by Ana Caraiani's Leverhulme grant

01/08/2020–31/07/2022

Imperial College London, UK

Chapman Fellow in Pure Mathematics

01/07/18–30/06/2020

University College London, UK,

Research Associate

supported by Sarah Zerbes's ERC grant

EDUCATION

01/09/13–01/11/2018

McGill University, Montreal, CA

Doctor of Philosophy, 2018

Thesis "*The eigencurve at Eisenstein weight one points*", under the supervision of Henri Darmon and Payman Kassaei

01/09/12–27/07/2013

Université Paris-Sud 11, Orsay, FR

Master of Science (Master 2 en Mathématiques Fondamentales et Appliquées, spécialité Analyse, Arithmétiques et Géométrie), 2013

Thesis "*A modular approach to the Kuga-Satake construction*", under the supervision of Benoît Stroh

01/09/2011–31/08/2012

Concordia University Montreal, CA

Master of Science, Mathematics, 2013

01/10/2008–21/07/2011

Università degli studi di Padova, Padova, IT

Bachelor of Science (Laurea Triennale in Matematica), 2011

AWARDS AND DISTINCTIONS

Chapman Fellowship, Imperial College London, 2020

Carl Herz prize, Institut des sciences mathématiques (ISM), 2019

Schulich Fellowship McGill University, 2014-2016

ALGANT (Algebra, Geometry and Number Theory) Master scholarship, 2011-2013

INDAM Istituto Nazionale di Alta Matematica (National Institute of Advanced Mathematics) scholarship for undergraduates, 2008-2011

PUBLICATIONS

Publications and Preprint

- *Flach classes and generalised Hecke eigenvalues*, with Henri Darmon, submitted.
- *Real quadratic singular moduli and p -adic families of modular forms*, with Paulina Fust, Judith Ludwig, Mafalda Santos and Hanneke Wiersema, **Women in Numbers Europe IV**, Association for Women in Mathematics Series 32, to appear.
- *The values of the Dedekind Rademacher cocycle at real multiplication points*, with Henri Darmon and Jan Vonk, **Journal of the European Mathematical Society**, to appear.
- *Diagonal restrictions of p -adic Eisenstein families*, with Henri Darmon and Jan Vonk, **Mathematische Annalen** **379** 503–548 (2021).
- *On the failure of Gorensteinness at weight 1 Eisenstein points of the eigencurve* with Adel Betina and Mladen Dimitrov, **American Journal of Mathematics** **144**, 227–265 (2022).

INVITED SPEAKER

Mini-Courses:

- Lecture series at “School on Arithmetic Geometry” for M. Bertolini’s 60th birthday, September 2022
- “Triple product periods and Explicit Class Field Theory”, with H. Darmon and J. Vonk at *Automorphic p -adic L -functions and regulators*, University of Lille, October 2019

Conferences and Workshops

- *Arithmetic of L -functions*, ICMAT, Madrid, May 2023
- *Introductory Workshop: Algebraic Cycles, L -values and Euler Systems*, MSRI, Berkeley, January 2023
- *Arithmetic Aspects of Deformation Theory*, BIRS, Banff, January 2023
- *Modular Forms in Number Theory and beyond*, University of Bielefeld, August 2022
- *Galois Representations, automorphic forms and L -functions*, CIRM, Luminy, June 2022
- *30e Rencontres arithmétiques de Caen*, University of Caen, May 2022
- *Women In Automorphic Forms Workshop*, Bielefeld, September 2021

- *Eisenstein Series and Equivariant Cohomology Workshop*, Regensburg, July 2021
- *CMS meeting*, Ottawa, June 2021
- *L-Functions and Iwasawa Theory*, NCTS, Taiwan, October 2020
- *p-adic Modular Forms and Galois representations*, Sheffield University, July 2019
- *Satellite Conference of the Journées Arithmétiques*, Bogazici University, Istanbul, July 2019
- *Eisenstein Ideal and Iwasawa Theory Workshop*, Morningside Centre, Beijing, June 2019
- *p-adic Langlands Correspondence and Iwasawa Theory*, University of Lille, October 2019
- *AMS Meeting-Complex Multiplication Session*, Baltimore, January 2019

Seminars Talks:

- *COGENT Seminar*, April 2022
- *University of Sheffield*, November 2023
- *Great Western Number Theory Seminar*, October 2023
- *Durham University*, March 2021
- *Sorbonne-Paris Nord Number Theory Seminar*, February 2021
- *UCLA Seminar*, Los Angeles, December 2020
- *UCSB Seminar*, Santa Barbara, December 2020
- *Bristol Number Theory Seminar*, Bristol University, November 2019
- *Gothenburg Number Theory Seminar*, University of Gothenburg, October 2019
- *Warwick Number Theory Seminar*, University of Warwick, June 2019
- *Cambridge Number Theory Seminar*, University of Cambridge, May 2019
- *London Number Theory Seminar*, University College London, March 2019
- *Sheffield Number Theory Seminar*, University of Sheffield, December 2018
- *Institute for Advanced Study Number Theory Seminar*, January 2019
- *Oxford Number Theory Seminar*, University of Oxford, November 2018
- *Quebec-Vermont Number Theory Seminar*, McGill University, April 2018
- *Montreal-Toronto Workshop in Number Theory*, January 2018
- *Université Laval, Quebec*, October 2017
- *Universitat Politècnica de Catalunya, Barcelona*, June 2017

COMMUNITY SERVICE

Project co-leader for Women in Numbers Europe “Eigenvarieties” group, August 2022

Peer-reviewer for *Transactions of the American Mathematical Society*, *Research in Number Theory*, *Journal de Théorie des Nombres de Bordeaux*, *Journal of the European Mathematical Society*

London Number Theory Seminar organizer, Fall 2021

Study Group Organization:

- "Derived structures in the Langlands programme", Spring 2019
- "Recent progress on the Stark's Conjectures", Spring 2020
- "Higher Hida Theory", Fall 2020

for the London Number Theory study group.

MSc Project Supervision ("Primes of the form $x^2 + ny^2$ ", "Cyclotomic Fields")

TEACHING EXPERIENCE

Lecturer of *Elliptic Curves* at Imperial College London, Fall 2021, Spring 2021

Lecturer of *Representation Theory* at University College London, Winter 2020

Teaching Assistant of *Algebra 1*, McGill University, Fall 2017, Fall 2016, Fall 2015, Fall 2014

Teaching Assistant of *Calculus 2*, McGill University, Winter 2014