

CURRICULUM VITAE

Alice Pozzi

PERSONAL DATA

Alice Pozzi

University College London, Department of Mathematics
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OCCUPATION

01/07/18–30/06/2020
University College London, UK,
Research Associate, 2018
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

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 AND PREPRINTS

The values of the Dedekind Rademacher cocycle at real multiplication points, with Henri Darmon and Jan Vonk, in preparation

Gross-Stark units, Stark-Heegner points, and derivatives of p -adic Eisenstein family, with Henri Darmon and Jan Vonk, submitted

On the failure of Gorensteinness at weight 1 Eisenstein points of the eigencurve with Adel Betina and Mladen Dimitrov, submitted

INVITED SPEAKER

p -adic cohomology, p -adic families of modular forms, and p -adic L-functions, Centre de Recherches Mathématiques, Montreal, December 2020

p -adic L-functions and eigenvarieties, University of Notre Dame, June 2020

Bristol Number Theory Seminar, Bristol University, November 2019

Gothenburg Number Theory Seminar, University of Gothenburg, October 2019

Automorphic p -adic L-functions and regulators, University of Lille, October 2019

p -adic Modular Forms and Galois representations, Sheffield University, July 2019

Satellite Conference of the Journées Arithmétiques, Bogazici University, Istanbul, July 2019

Warwick Number Theory Seminar, University of Warwick, June 2019

Cambridge Number Theory Seminar, University of Cambridge, May 2019

Eisenstein Ideal and Iwasawa Theory Workshop, Morningside Centre, Beijing, June 2019

p -adic Langlands Correspondence and Iwasawa Theory, University of Lille, October 2019

London Number Theory Seminar, University College London, March 2019

Institute for Advanced Study Number Theory Seminar, January 2019

AMS Meeting-Complex Multiplication Session, Baltimore, January 2019

Sheffield Number Theory Seminar, University of Sheffield, December 2018

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

TALKS AT WORKING SEMINARS

At the London Number Theory Study Group:

-Derived Hecke Algebras

-Venkatesh Conjecture for weight one modular forms

At the Montreal Number Theory Seminar:

An overview of the proof of the Sato-Tate Conjecture

On freeness of the Hecke Algebra over a certain group ring in the proof of Fermat's Last Theorem (after de Shalit)
Proof of the Iwasawa Main Conjecture
The tower of modular curves as a perfectoid space (after P. Scholze)
Perfectoid fields
Adic Spaces
Stratification of Hilbert Modular Varieties
Analytic continuation for Up-eigenforms (after K. Buzzard and R. Taylor)

COMMUNITY SERVICE

Peer-reviewer for *Transactions of the American Mathematical Society*
Working Seminar Organization *Derived structures in the Langlands programme*,
London Number Theory Study Group, Spring 2019

TEACHING EXPERIENCE

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