

L. Gregory

CONTACT INFORMATION	School of Mathematics Alan Turing Building, The University of Manchester, Oxford Road, Manchester, M13 9PL	Nationality: British Phone: 07815 107211 Email: lorna.gregory@gmail.com Date of Birth: 30/04/84
EDUCATION	<i>PhD 'Ziegler Spectra of Valuation Rings'</i> Awarded 18.04.11 School of Mathematics, University of Manchester Supervised by Professor Mike Prest Funded by EPSRC	01.07 - 12.10
	<i>Certificate of Advanced Study in Mathematics</i> King's College, University of Cambridge	10.05-06.06
	<i>BA(Hons) Mathematics, First class degree</i> King's College, University of Cambridge	10.02-06.05
EMPLOYMENT	University of Manchester Research assistant on EPSRC grant EP/K022490/1 of Mike Prest	09.13 -
	Universität Konstanz Akademische Mitarbeiterin of Prof. Dr. Salma Kuhlmann	07.11-08.13
PAPERS	Decidability of theories of modules over canonical algebras of tubular type arXiv:1603.03284 , preprint, 38p. (with Mike Prest) Representation embeddings, Interpretation functors and controlled wild algebras accepted for publication in J. London Math. Soc arXiv:1411.3221v2 Decidability for the theory of modules over a valuation domain Journal of Symbolic Logic Volume 80, Issue 02, June 2015, pp 684-711 Sobriety for the Ziegler spectrum of a Prüfer domain Journal of Pure and Applied Algebra Volume 217, Issue 10, October 2013, pp 1980-1993	
CONFERENCE TALKS AND RESEARCH VISITS	Research visit to Seconda Università degli Studi di Napoli <i>Working with Amit Kuber</i> Talk title: Representation type and interpretation functors Interpretation functors, wild algebras and undecidability <i>Model Theory Conference, Stellenbosch, South Africa</i> Interpretation functors, wild algebras and undecidability <i>Lymots Model Theory Meeting, Leeds</i> Interpretation functors, wild algebras and undecidability <i>16th International Conference on Representations of Algebras</i>	08.06.15-12.06.15 10.03.15 13.01.15 29.08.14

	Decidability for the theory of modules over a valuation domain <i>Konstanz-Naples Model Theory Days</i>	07.12.12
	Decidability of the Theory of Modules of a Valuation Domain via the Ziegler Spectrum <i>British Postgraduate Model Theory conference, Leeds</i>	20.01.11
	Decidability of the Theory of Modules over a Commutative Valuation Domain <i>Leeds-Manchester Model Theory Meeting, Leeds</i>	16.10.10
SEMINAR TALKS	Decidability for theories of modules of tame canonical algebras <i>Model theory seminar at the University of Central Lancashire</i>	22.10.15
	Interpretation functors, representation type and undecidability <i>Manchester Algebra seminar</i>	21.04.15
	Interpretation Functors, Wild Algebras and Undecidability <i>Leeds Logic Seminar</i>	19.11.14
	Value monoids and Ziegler spectra of Prüfer rings <i>Manchester Logic seminar</i>	09.10.13
	Ziegler Spectra of commutative RD-rings <i>Seconda Universit degli Studi di Napoli</i>	31.05.13
	Ziegler Spectra of commutative RD-rings <i>Camerino</i>	28.05.13
	Integer parts and henselian ordered fields <i>Model Theory Seminar, Konstanz</i>	21.01.13
	Decidability of Theories of Modules over Valuation Domains <i>Model Theory Seminar, Konstanz</i>	14.05.12
	Are Ziegler spectra always sober? <i>Model Theory Seminar, Konstanz</i>	07.11.11 & 14.11.11
	Decidability for the Theory of Modules over Valuation Domains via the Ziegler Spectrum <i>Algebra and Geometry seminar, Bristol</i>	26.01.11
CONFERENCE ORGANISATION	British Postgraduate Model Theory Conference. Organiser	01.16
	Infinite-dimensional representations of finite-dimensional algebras. Summer school and Workshop, Organiser	08.15
	Konstanz Women in Maths day. Organiser	05.13
TEACHING EXPERIENCE	Lecturing	
	Set theory	Winter 2015
	I designed and lectured this Msc course in Set theory. This was a class of 20 students; I got very positive feedback from the students.	
	Algebraic number theory	Summer 2010
	As a PhD student 6 hours of cover lectures in algebraic number theory to a class of approximately 100 students.	

Msc projects

I am currently co-supervising an Msc student writing a project on NIP theories. While in Konstanz, I co-supervised a diploma student writing a dissertation on generalised power series fields. In Manchester I have examined Msc theses.

Seminar Courses

In Konstanz, I helped organise 3 courses where students gave talks. For the courses on p-adic Numbers and p-adically closed fields, I chose the topics and designed the course. For all 3 courses I assigned topics, supervised students preparing talks and evaluated students's talks and write-ups.

Seminar/Proseminar "p-adic Numbers"	04.13-07.13
Proseminar Positivity and Quadratic Forms	10.12-02.13
Seminar p-adically Closed Fields	10.11-02.11

Supporting lecture courses

In Konstanz, I organised exercise classes, supervised and supported student teaching assistants, supervised the marking of exams, and designed exercise sheets and exams for the following lecture courses.

Algebraic number theory	04.13-07.13
Algebra	10.12-02.13
Linear Algebra I	10.11-02.11
Linear Algebra II	04.12-07.12

Exercise classes for maths students

Linear Algebra	Summer 08 & 11
Sequences and series	Summer 09, 10 & 14
Real Analysis revision classes	January 10
Sets, Numbers and Functions	Winter 08
Maths workshop	Winter 07, 08 & 09 Summer 08
Students working in groups on small projects.	
Foundation year tutorial	Summer 15
Tutorial for foundation year students covering topics in calculus and basic algebra.	

OUTREACH

Making Maths at Manchester	Summer 2007, 2008, 2009
Provided tuition and pastoral care as part of a residential outreach program.	
Tag der Mathematik	03.13
Helped run "Tag der Mathematik". At this event students in their final two years of school came to Konstanz to compete in (fun) maths competitions.	

PROMOTION OF WOMEN IN MATHEMATICS	Athena Swan committee member, Manchester Konstanz Women in Maths seminar series, organiser EWM (European Women in Maths) newsletter editor	09.15- 05.13-07.13 09.07-02.09
ADMIN	Logic seminar organiser, Manchester CUSPOMMS organising committee member Cambridge University Society for the Philosophy of Mathematics and Mathematical Sciences	01.16- 10.04-06.05
GRANTS	LMS postgraduate conference grant for British Postgraduate Model Theory Conference I wrote the majority of this grant application and was the grant holder. Value: £4000	2016
	Zukunftskolleg Mentorship program (Not taken up due to new job in Manchester) Value: 2250 €	2013
	EPSRC Doctoral Training Award	01.08-06.10
	School Scholarship Manchester	01.07-12.07

Date: 27.04.2016

