Liana Heuberger

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Born: December 25, 1988—Baia Mare, Romania
Nationality: Romanian

Current position

Research Fellow, University of Warwick, Coventry.

Areas of specialization

Birational Geometry, Fano Varieties, Singularities.

Employment

2016-2018	Research Fellow of the University of Warwick, with a one year secondment at Imperial College, London.
2015-2016	ATER (Attaché temporaire d'enseignement et de recherche) - teaching and research position for the duration of one year at the University of Nice Sophia Antipolis (part time).

Education

2012-2016	PhD in Pure Mathematics, Université Pierre et Marie Curie (Paris 6). *Dissertation:* "Fano varieties and Anticanonical systems". Advisor: Andreas Höring.
2011-2012	MASTER 2, mention: très bien, Université Pierre et Marie Curie (Paris 6). *Dissertation:* "Anticanonical systems and small contractions". Advisor: Andreas Höring.
2010-2011	MASTER 1 in Pure Mathematics: geometry, algebra and topology, Scoala Normala Superioara Bucharest.
2009-2010	PREPARATORY CYCLE for the Master 1, Scoala Normala Superioara Bucharest.
2007-2010	BACHELOR'S DEGREE in Mathematics, University of Bucharest, department of Mathematics and Computer Science. *Dissertation*: Classification and enumerating in algebraic geometry: the 27 lines on a cubic surface. Advisor: Cristian Voica.

Grants, honors & awards

2012-2015   Three year PhD scholarship from the Fondation des Sciences Mathématiques de Paris (FSMP).

2011-2012   Master 2 scholarship within the Paris Graduate School of Mathematics Romania program of the FSMP.

2008-2010   Merit scholarship from the University of Bucharest.

Publications & talks

Talks

Aug 2017   "Fano fourfolds with small invariants", *Conference on Birational Geometry*, Simons Foundation, New York.

June 2017   "Fano fourfolds with small invariants", *EDGE Days: Birkar's Boundedness and Cremona Groups*, University of Edinburgh.

Mar 2017   "Del Pezzo surfaces with 1/3(1,1) singularities", *Algebra Seminar* IMPA, Rio de Janeiro.

Mar 2017   "Del Pezzo surfaces with 1/3(1,1) singularities", *East Midlands Seminar in Geometry*, University of Leicester.

Feb 2017   "Del Pezzo surfaces with 1/3(1,1) singularities", *Junior Geometry Seminar*, Imperial College, London.

Feb 2017   "Fano varieties, general elephants and classification", *GLEN Seminar*, University of Liverpool.

Nov 2017   "Del Pezzo surfaces with 1/3(1,1) singularities", *COW Seminar*, University of Bath.

Oct 2017   "Anticanonical divisors on Fano fourfolds", *3CinG Kick-off Conference*, University of Warwick.

Jan 2016   "Anticanonical divisors on Fano fourfolds", *Algebraic Geometry Seminar*, Johannes Gutenberg-Universität Mainz.

Nov 2015   Short talk on anticanonical divisors on Fano fourfolds, *Rencontre Géométrie Algébrique et Géométrie Complexe*, CIRM Luminy.

Sept 2015   "Classification des surfaces de Del Pezzo avec des singularités 1/3(1,1)", *Séminaire d'algèbre, topologie et géométrie*, Université Nice Sophia Antipolis.

July 2015   "Del Pezzo surfaces with 1/3(1,1) singularites", with A. Corti, *Warwick Algebraic Geometry Seminar*, University of Warwick.

June 2015   "Singularities of anticanonical divisors", *GAeL* conference in Leuven.

Jan 2015   "Systèmes anticanoniques et singularités", *Séminaire de géométrie algébrique*, IMJ-PRG Paris.

Apr 2014   "Del Pezzo Surfaces with 1/3(1,1) Singularities", *Workshop: Birational Geometry and Fano Varieties*, Imperial College, London.

Jan 2014   "Higher Dimensional Anticanonical Systems", *Junior Geometry Seminar*, Imperial College, London.

Nov 2013   "Systèmes anticanoniques en dimension supérieure", *Séminaire d'algèbre, géométrie et topologie*, Université Nice Sophia Antipolis.

ARTICLES

2017   Alessio Corti and Liana Heuberger. Del Pezzo surfaces with $\frac{1}{3}(1,1)$ points, *Man. Math.*, **153(1-2)**, pp 71-118, 2017.

2016   Mohammad Akhtar, Tom Coates, Alessio Corti, Liana Heuberger, Alexander Kasprzyk, Alessandro Oneto, Andrea Petracci, Thomas Prince, and Ketil Tveiten. Mirror symmetry and the classification of orbifold del Pezzo surfaces. *Proc. Amer. Math. Soc.*, **144(2)**:513–527, 2016.

2015   Liana Heuberger. Anticanonical divisors on Fano fourfolds. arxiv:1505.02437 [math.AG].

Teaching

2017-2018   Geometry MA243 (year 2) for undergraduate students in Mathematics, University of Warwick.

2015-2016   L1PC: Tutorial: Calculus I (year 1) for undergraduate students in Physics and Chemistry, University of Nice.

L2P: Tutorial: Calculus II (year 2) for undergraduate students in Physics, University of Nice.

2014-2015   1M002: Tutorial: Sequences and integrals, linear algebra (year 1) for undergrad students of Physics-Mathematics, Université Pierre et Marie Curie.

1M004: Tutorial: Matrices (year 1) for undergraduate students in Physical Engineering, Université Pierre et Marie Curie.

2013-2014   1M002: Tutorial: Sequences and integrals, linear algebra (year 1) for undergraduate students of Physics-Mathematics, Université Pierre et Marie Curie.