

# Giulio Orecchia

## Curriculum Vitae

### Occupation

October 2018–now **Postdoc in Mathematics**, *Université de Rennes 1*, Rennes, France.  
Two-year contract at the Center Henri Lebesgue  
Researcher in Arithmetic Geometry

### Education

2014–2018 **Phd Mathematics**, *Universiteit Leiden and Université de Bordeaux*, ALGANT-DOC doctoral program, Supervisors: David Holmes (Leiden) and Qing Liu (Bordeaux). Graduated on 27 February 2018.  
Thesis title: A monodromy criterion for existence of Néron models and a result on semi-factoriality

2012–2014 **M.Sc. Mathematics**, *Universiteit Leiden* (2013–2014) and *Concordia University* (2012–2013), ALGANT Erasmus Mundus master program.

2009–2012 **B.Sc. Mathematics**, *Università di Padova and Scuola Galileiana di Studi Superiori*, Padua, Italy, Graduation score: *110/110 cum laude*, GPA: *29.771 / 30*.  
Major: Pure Mathematics.

### Publications and theses

2019 **Unramified F-objects and the étale fundamental pro-groupoid in positive characteristic**, with Y. Huang and M. Romagny, arxiv 1906.05072

2019 **A monodromy criterion for existence of Néron models in characteristic zero**, arxiv 1904.03886

2018 **A criterion for existence of Néron models of jacobians**, arxiv 1806.05552

2017 **A monodromy criterion for existence of Néron models and a result on semi-factoriality**, *PhD thesis*.

2017 **Semi-factorial nodal curves and Néron models of jacobians**, *Manuscripta Mathematica*.

2014 **Torsion-free rank one sheaves on a semi-stable curve**, master thesis supervised by S.J. Edixhoven.

### Organizing experience

June 2018 **GAeL XXVI**, Summer School in algebraic geometry. Strasbourg, France

June 2017 **GAeL XXV**, Summer School in algebraic geometry. Bath, UK

**Seminar on Moduli stacks of curves**, Leiden, The Netherlands, Fall 2015.

### Teaching experience

**Teaching assistant for several master courses in mathematics**. Commutative algebra, Elliptic curves, Algebraic geometry; VU Amsterdam, Universiteit Utrecht, Universiteit Leiden

### Special Honors and Awards

2014–2017 **Erasmus Mundus Scholarship**, Funding for a three-year PhD program, 108,300€.

2012–2014 **Erasmus Mundus Scholarship**, Funding for a two-year joint master program, 15,000 €.

2009 **Contest for INdAM Scholarship**, Ranked 1st at national level.

2006–2009 **Italian Mathematical Olympiad**, Silver medal (2009,2008,2007,2006).

2008–2009 **Italian Kangourou of Mathematics**, 2nd place (2009), 1st place (2008) at the italian finals.

### Languages

Italian Native speaker

English Fluent, *Toefl ibt score: 105/120 (20/05/2012)*

Dutch Good knowledge, *B2 Certificate*

French Good knowledge

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## Contact information

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