

# FRANCESC GISPERT

Concordia University  
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## Education

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- 2018–2021 **PHD studies (incomplete) in MATHEMATICS.**  
 Advisors: Henri Darmon and Adrian Iovita.  
 Interests:  $p$ -adic modular forms, elliptic curves,  $p$ -adic  $L$ -functions, Iwasawa theory.  
*Concordia University. Montreal, Quebec.*
- 2016–2018 **ALGANT (Algebra, Geometry and Number Theory), master's degree in MATHEMATICS.**  
 Recipient of a fellowship from *la Caixa Foundation* for postgraduate studies in Europe.  
*Universität Regensburg. Regensburg, Germany.*  
*Università degli Studi di Padova. Padua, Italy.*
- 2012–2016 **INTERDISCIPLINARY HIGHER EDUCATION CENTRE (CFIS), honours bachelor's degrees in MATHEMATICS and INFORMATICS ENGINEERING.** Recipient of a full tuition fee waiver and an accommodation scholarship (awarded based on academic merit).  
*Universitat Politècnica de Catalunya · BarcelonaTech (UPC). Barcelona, Catalonia.*
- 2010–2012 High-school diploma, with honours.  
*CCE Montessori-Palau. Girona, Catalonia.*

## Teaching Experience

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- 2021 Summer Instructor for Math 203 (calculus I). *Concordia University.*
- 2021 Winter Instructor for Math 203 (calculus I). *Concordia University.*
- 2020 Autumn Teaching Assistant for Math 205 (calculus II). *Concordia University.*
- 2020 Autumn Teaching Assistant for Math 204 (linear algebra). *Concordia University.*
- 2020 Winter Teaching Assistant for Math 204 (linear algebra). *Concordia University.*
- 2019 Autumn Teaching Assistant for Math 202 (college algebra). *Concordia University.*
- 2019 Summer Instructor for Math 203 (calculus I). *Concordia University.*
- 2019 Winter Instructor for Math 203 (calculus I). *Concordia University.*
- 2018 Autumn Teaching Assistant for Math 203 (calculus I). *Concordia University.*

## Employment

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- 2014 July–Sept. Summer internship in graph partitioning techniques to optimize task scheduling in parallel applications.  
*RoMoL Project, Barcelona Supercomputing Centre (BSC). Barcelona, Catalonia.*

## Research seminars and conferences attended

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- 2021 Virtual conference for graduate students in mathematics in Quebec.  
*Colloque Panquébécois des Étudiants de l'ISM. 22nd–23rd May 2021, Montreal, Quebec.*
- 2020 Virtual conference and workshop on higher Coleman theory.  
*7th–11th December 2020, Montreal, Quebec.*
- 2020 Virtual conference on Serre weights and Shimura varieties.  
*31st August–4th September 2020, Montreal, Quebec.*
- 2020 Workshop on the non-abelian Chabauty method.  
*Arizona Winter School 2020. 7th–11th March 2020, Tucson, AZ, USA.*
- 2019 Conference on automorphic  $p$ -adic  $L$ -functions and regulators.

14th–18th October 2019, Lille, France.

- 2019 Conference on the geometrization of the local Langlands program.  
6th–10th May 2019, Montreal, Quebec.
- 2019 Workshop on period maps.  
Montreal-Toronto Workshop in Number Theory 2019. 22nd–24th March 2019, Montreal, Quebec.
- 2017 One-week summer school plus advanced workshop on modular forms.  
ALGANT Summer School on Modular Forms. 27th August–6th September 2017, Padua, Italy.
- 2016 Weekly seminar on overconvergent modular symbols, giving two talks on classical modular symbols.  
Institut de Matemàtica de la Universitat de Barcelona (IMUB). Spring 2016, Barcelona, Catalonia.
- 2016 Workshop on number theory and K-theory.  
Barcelona Spring 2016 Workshop in Number Theory and K-Theory. 20th–22th April 2016, Barcelona, Catalonia.
- 2016 Seminar on number theory.  
Seminari de Teoria de Nombres de Barcelona (STNB) 2016. 25th–29th January 2016, Barcelona, Catalonia.
- 2015 Workshop on commutative algebra and algebraic geometry.  
Algebra and Geometry Meeting 2015. 2nd–4th December 2015, Barcelona, Catalonia.
- 2015 Two-week school on arithmetic, groups and analysis, covering topics on number theory in a broad sense.  
AGRA II 2015. 8th–22th August 2015, Cusco, Peru.
- 2015 Summer school on number theory and arithmetic geometry.  
XVI School of Mathematics Lluís Santaló: Number Theory and Arithmetic Geometry. 13th–17th July 2015, Santander, Spain.
- 2015 Seminar on number theory.  
Seminari de Teoria de Nombres de Barcelona (STNB) 2015. 26th–30th January 2015, Barcelona, Catalonia.
- 2014 Congress focused on current research topics across several areas of mathematics, with a track dedicated to arithmetic.  
Barcelona Mathematical Days (BMD) 2014. 7th–8th November 2014, Barcelona, Catalonia.

### **Awards and prizes**

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- 2016 CFIS Award for the best academic record (ex-aequo) in the CFIS excellence programme to obtain two honours bachelor's degrees simultaneously, sponsored by Kernel Analytics and Hewlett-Packard.  
Interdisciplinary Higher Education Centre (CFIS), Universitat Politècnica de Catalunya (UPC). Barcelona, Catalonia.
- 2016 Everis Award for the best academic record in the bachelor's degree in informatics engineering, sponsored by Everis.  
Facultat d'Informàtica de Barcelona (FIB), Universitat Politècnica de Catalunya (UPC). Barcelona, Catalonia.
- 2016 International Mathematics Competition for University Students (IMC), second prize.
- 2015 International Mathematics Competition for University Students (IMC), second prize.
- 2015 BarcelonaTech Mathematics Competition for University Students (BMC), silver medal.
- 2012 Grant for excellent results in the university admission exam, first prize.  
Fundació Catalunya–La Pedrera. Barcelona, Catalonia.
- 2012 International Physics Olympiad (IPhO), bronze medal.
- 2012 Spanish Olympiad in Informatics (OIE), bronze medal.
- 2012 Spanish Physics Olympiad (OFE), gold medal.

2011 International University of Catalonia (UIC) Excellence awards, first prize.

### **Other activities**

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2020–2021 Member of the organizing committee of the Colloque Panquébécois des Étudiants de l'ISM.  
 2016–2019 Member of the editorial board of the mathematics students' journal TEMat.  
 2017 Member of the jury of the Spanish Mathematical Olympiad (OME).  
 2017 Member of the jury of the fourth edition of BarcelonaTech Mathcontest (BTM).  
 2012–2017 Trainer of the Catalan and Spanish teams for the International Mathematical Olympiad (IMO).  
 2015–2016 Advisor of first-year students in CFIS (excellence programme which allows students to obtain two honours bachelor's degrees), with a grant awarded based on academic merit.  
 2016 Member of the local organizing committee of the Spanish Mathematical Olympiad (OME).  
 2014–2016 Editor of Arhimele Mathematical Journal (AMJ).  
 2016 Member of the jury of the third edition of BarcelonaTech Mathcontest (BTM).  
 2015 Delegate of the Catalan team in the Spanish Mathematical Olympiad (OME).  
 2015 Co-organizer of the second edition of BarcelonaTech Mathcontest (BTM).  
 2014 Co-organizer of the first edition of BarcelonaTech Mathcontest (BTM).  
 2013 Deputy leader of the Spanish team in the International Mathematical Arhimele Competition (IMAC).

### **Language skills**

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NATIVE: Catalan.  
 FLUENT: Castilian, English.  
*C2 level in the Common European Framework of Reference (CEF).*  
*Certificate in Advanced English (Cambridge ESOL).*  
 INTERMEDIATE: Italian.  
 BASIC: German, French.