

Anna Cadoret

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Senior Member

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Academic positions and education

Sorbonne Université, IMJ-PRG

2025 - Full Professor Exceptional class 1 (PREx1)
2022 - 25 Full Professor 1st class (PR1)
2017 - 22 Full Professor 2nd class (PR2)

École Polytechnique, CMLS

2017 - 18 Part time Lecturer
2011 - 17 Associate Professor

University Bordeaux 1, IMB

2006 - 17 Associate Professor (Maitre de conférences) normal class (CN)
(on leave 2011-17)

University Lille 1

2005 - 06 Part time Lecturer (ATER)
2002 - 05 AMN (PhD fellowship) ENS Cachan / University Lille 1

ENS Cachan

2000 - 02 Élève fonctionnaire stagiaire

Education

12 / 10 **Habilitation thesis**, University Bordeaux 1
12 / 04 **PhD thesis**, University Lille 1
2002 **MSc** in mathematics - University Paris 6

Visiting positions

Research Institute for Mathematical Sciences - RIMS, Kyoto University (Kyoto)

2016 - 25 Short term (3 months) Visiting Professor (2020*, 21*)
2015 Short term (4 months) Visiting Professor
2013 Short term (4 months) Visiting Professor
2006 - 07 J.S.P.S. Post-doctoral fellow
08 / 05 Visiting Researcher

Institute for Advanced Studies - IAS (Princeton)

09 - 12 / 25 Short term (4 months) Research fellow
 09/13 - 08/14 Von Neumann Fellow

Mathematical Sciences Research Institute - MSRI (Berkeley)

01 - 05 / 23 Simons Visiting Professor

Morningside Center for Mathematics - MCM, CAS (Beijing)

04 / 25 Visiting professor
 10 / 10 Visiting professor

Simons Foundation NY (New York)

10 / 26 Visiting Researcher
 05 / 24 Visiting Researcher
 04 - 05 / 22 Visiting Researcher

Courant Institut, NYU (New York)

05 / 20* Visiting Researcher
 03 - 05 / 19 Visiting Researcher
 01 - 03 / 18 Visiting Researcher

(*: Cancelled - CoViD)

I also made some shorter visits upon invitations of colleagues (Radboud University - Nijmegen, invited by B. Moonen, 1/15; Indiana University - Bloomington, invited by M. Larsen, 12/13; Academia Sinica - Taipei, invited by C.F. Yu, 12/07), of special semesters (Bernoulli Center - EPFL: Arithmetic of K3 surfaces, 04/25, INI- Cambridge: K-theory, algebraic cycles and motivic homotopy theory, 6/22; Non abelian fundamental groups in arithmetic geometry, 10/09; Arithmetic Geometry, TIFR - Mumbai 10/08).

Awards and fundings

For visiting professorship and scholarship, see previous item.

Sabbatical awarded for conducting research**Institut Universitaire de France**

2025 - 30 Appointed Senior Member
 2017 - 22 Appointed Junior Member

Other Research sabbatical

2025 - 26 **CNRS** - 1 semester
 2024 - 25 **CRCT - Sorbonne University** - 1 semester
 2022 - 23 **CNRS** - 1 semester
 2010 - 11 **CNRS** - 1 semester
 2009 - 10 **CNRS** - 1 semester

Research projects

2023-27 **ANR Project**
Cycles Algébriques et Périodes - CyclAdes (400 Keuros / Principal Investigator: Olivier Benoist)
 Member
 2022-24 **IdEx UPC** Emergence project
Anabelian Representation Theory - ARThe (30 Keuros)
 Principal Investigator

- 2016-18 **CNRS / JSPS** joint project
p-adic and motivic aspects of Galois representations (20 Keuros for French members)
 Principal Investigator
- 2015-21 **ANR JCJC** Project
Étude Cohomologique des Variétés Algébriques - ECoVA (155 Keuros)
 Principal Investigator
- 2011-14 **ANR JCJC** Project
Arithmétique des Variétés Abéliennes en Familles - AriVAF (100 Keuros)
 Principal Investigator
- 2010-11 **CNRS / JSPS** joint project
Representations of étale fundamental groups and applications (30 Keuros for French members)
 Principal Investigator
- 2008-09 **PHC Sakura**
Torsion on abelian schemes and rational points on moduli spaces (20 Keuros for French members)
 Principal Investigator

Expertise activities

Editorship

- 2021- **Journal de l'Institut de Mathématiques de Jussieu**
 Associate editor
- 2018-25 **Epi(journal de Géométrie Algébrique)**
 Associate editor

Jury of international prizes

- 2021 **Fermat Prize** (https://fr.wikipedia.org/wiki/Prix_Fermat)
 Nominated member of the jury

PhD and habilitation thesis committees

2026	Thomas Agugliaro	PhD	Univ. Strasbourg	Referee and committee member
2024	Marco D'Addezio	HdR	Univ. Strasbourg	Referee and committee member
2024	Gabriel Ribeiro	PhD	Ecole Polytechnique	Committee member
2024	Elie Studnia	PhD	Univ. Paris Cité	Committee member
2024	Antoine Szabo	PhD	Univ. Strasbourg	Referee and committee member
2022	William Dellaporta	PhD	Univ. Toulouse	Committee member
2022	Giuseppe Ancona	HdR	Univ. Strasbourg	Referee and committee member
2022	Dorian Berger	PhD	Univ. Caen	Committee member
2022	Tobias Kreutz	PhD	Humboldt Univ. - Berlin	Referee and committee member
2021	Amadouh Bah	PhD	IHES	Committee member
2021	Antoine Behajaina	PhD	Univ. Caen	Committee member
2020	Domenico Valloni	PhD	Imperial College London	Referee and committee member
2020	Alexandre Lourdeaux	PhD	Univ. Lyon 1	Committee member
2019	Long Liu	PhD	Sorbonne Univ.	Committee member
2019	Jose Antonio	PhD	Univ. Toulouse	Committee member
2017	Johan Commelin	PhD	Radboud Univ. Nijmegen	Referee and committee member
2017	Victoria Cantoral-Farfan	PhD	Univ. Paris Cité	Referee
2015	Davide Lombardo	PhD	Univ. Orsay	Committee member
2012	Abhijit Laskar	PhD	Univ. Strasbourg	Committee member
2012	Orlando Cau	PhD	Univ. Lille 1	Committee member

 Conferences organization

- 5-18/07/27 **Summer school - Local systems : from Hodge theory to arithmetic**
Coorg. G. Baldi, J. Lam and D. Litt. IHES - Bures-sur-Yvette
- 28/6-2/7/27 **Journées arithmétiques 2027**
Coorg. C. Chan, L. DeMarco, K. Eisenträger, Q. Liu, K. Matomäki, P. Scholze, S. Siksek, W. Zhang. Univ. Bordeaux
- 18-22/1/27 **Conférence de clôture ANR CyclADES**
Coorg. O. Benoist and Y. Brunenbarbe. CIRM - Luminy
- 7-11/9/26 **Conférence de mi-parcours du RT2N**
Coorg. G. Ancona, R. Beuzart-Plessis and J. Fresan. CIRM - Luminy
- 1-5/9/25 **Period maps - complex and p-adic**
Coorg. G. Baldi and B. Klingler. IESC, Cargese
- 31/3-9/05/25 **Special program on Arithmetic geometry of K3 surfaces**
Coorg. D. Valloni, A. Skorobogatov and A. Varilly-Alvarado.
Bernouilli center, EPFL, Lausanne - Switzerland
- 29/9-5/10/2024 **Anabelian Geometry and Representations of Fundamental Groups**
Coorg. F. Pop, A. Topaz and J. Stix. MFO, Oberwolfach - Germany
- 10-14/06/24 **1st EpiGA conference**
Coorg. V. Alexeev, S. Boucksom, B. Claudon, S. Druel, G. Pacienza, K. Schwede and S. Zimmermann. IHP, Paris
- 3-7/06/24 **Riemann-Hilbert - classical and p-adic**
Coorg. A. D'Agnolo. Univ. di Padova - Italy
- 9-13/10/23 **A conference in arithmetic algebraic geometry - in memory of Jan Nekovar**
Coorg. W. Niziol and S. Zerbes. IHES - Bures-sur-Yvette
- 24-28/10/22 **Motives, quadratic forms and arithmetic (Bruno Kahn's 60th)**
Coorg. Y. André and S. Saito. Lens
- 28/2 - 4/03/22 **Workshop in Arithmetic Geometry**
Coorg. B. Klingler. Roma - Italy
- 2-6/08/21 **Arithmetic of Shimura varieties over global fields**
Coorg. F. Charles and B. Klingler. Grand Hotel San Michele, Cetraro - Italy
- 4-7/07/21* **Fundamental Groups et their Representations in Arithmetic Geometry**
Coorg. F. Pop et A. Topaz. BIRS, Banff - Canada
- 15-19/10/18 **Cohomology of Algebraic Varieties**
Coorg. F. Charles, C. Demarche, B. Klingler and B. Moonen. CIRM - Luminy
- 26/5-3/06/16 **Fundamental groups in arithmetic geometry**
Coorg. Ph. Lebacque, E. Lepage and J. Poineau. IHP, Paris
- 12-14/11/12 **12ème forum des jeunes mathématicien-ne-s**
Coorg. Eva Bayer-Fluckinger. IHP, Paris
- 25-29//01/10 **Torsion of Abelian Schemes et Rational Points on Moduli Spaces**
Coorg. A. Tamagawa. IMB, Univ. Bordeaux 1

(*: Cancelled - CoViD)

 Local or research project working groups

- 2021/22 **André-Oort Conjecture**
Coorg. M. Hindry. IMJ-PRG, Sorbonne Univ.
- 2020/21 **Points rationnels et uniformité**
Coorg. Z. Gao. IMJ-PRG, Sorbonne Univ.
- 17-18/10/19 **Diophantine problems et p-adic period mappings (after Lawrence-Venkatesh), Part II**
Coorg. F. Charles. IMJ-PRG, Sorbonne Univ.
- 3-5/04/19 **Diophantine problems et p-adic period mappings (after Lawrence-Venkatesh), Part I**
Coorg. F. Charles. Humboldt Universität, Berlin - Germany
- Spring 2018 **Reconstructing function fields from Milnor K-theory (after Bogomolov-Tschinkel)**
Coorg. A. Pirutka. Courant Institute, NYU - USA

- 2014/15 **Introduction à la théorie de Bruhat-Tits**
Coorg. B. Rémy. CMLS, Ecole Polytechnique
- 2012/13 **Déformations p -adiques des classes de cycles algébriques (d'après Bloch-Esnault-Kerz)**
Coorg. A. Pirutka. CMLS, Ecole Polytechnique
- Spring 2012 **Méthodes tannakiennes en géométrie diophantienne (d'après Kim)**
Coorg. D. Harari. CMLS, Ecole Polytechnique
- 19-21/12/12 **Conjectures de Weil (AriVAF IV)**
Coorg. C. Pépin and J. Tong. IHP, Paris
- 8-10/11/11 **Conjecture de Mumford-Tate (AriVAF III)**
Coorg. N. Ratazzi. IHP, Paris
- 9-11/03/11 **Groupe fondamental étale des schémas (AriVAF I)**
Coorg. J. Tong. IMB, Univ. Bordeaux 1

Referee for research journals

Inventiones Math., Duke Math. J., Annales Sc. de l'ENS, Compositio Math., Crelles, ANT, Documenta Math., Advances Math., Journal of LMS, Bulletin de la SMF *etc.*

Ph.D supervision

- 2024 - **Livia Grammatica**, coadvisor (50%) with Marco d'Addezio.
Marie-Curie fellowship, Sorbonne University / Strasbourg University
- 2024 - **François Gatine**
AMX / Sorbonne University
- 2020 - 24 **Haohao Liu**
AMN ENS - PSL / Sorbonne University
Post-doctorat IRMA - Strasbourg since 09 / 24.
- 2016 - 19 **Emiliano Ambrosi**
Allocation Monge, X
Associate Professor (Maitre de conférences), Strasbourg University since 09 / 20.

Administrative activities and service to the community

National committees

- 2027 **HCERES**
Nominated member of the evaluation committee for UMPA - ENS Lyon.
- 2024- **Réseau thématique CNRS RT2N**
Nominated member of the monitoring committee
- 2020-26 **CNFM**
Nominated member representing the SMF
- 2019-23 **CNU**
Elected member - Collège A
- 2012-15 **CNU**
Nominated member - Collège B

Head of research teams

- 2019-24 **IMJ-PRG, Sorbonne Université**
Direction of the **Number Theory team**
30 members, 60 Keuros / year, HCERES report 2023
- 2012-17 **CMLS, Ecole Polytechnique**
Direction of the **Algebra and arithmetic team**
15 members, HCERES report 2013

 Internal committees

- 2024- **RIPEC committee - Sorbonne Université**
Nominated member
- 2023- **Promotion committee Pôle V (25+26+27) - Sorbonne Université**
Nominated member
- 2022- **UFR board - Sorbonne Université**
Elected member
- 2018- **Scientific advisory board - IMJ-PRG, Sorbonne Université**
Nominated member
- 2012-17 **Scientific board - CMLS, Ecole Polytechnique**
Elected member
- 2012-17 **Math. Department board - CMLS, Ecole Polytechnique**
Elected member

 Hiring committees

Professor positions

- 2024 Frei University Berlin (W3)
- 2021 Sorbonne Univ.
- 2021 Univ. Paris (2 Postes)
- 2021 Univ. Caen
- 2021 Univ. Nancy
- 2018 Univ. Strasbourg

Maître de conférences or Associate Professor positions

- 2018 Ecole Polytechnique
- 2017 Milano
- 2017 Ecole Polytechnique
- 2016 Copenhague
- 2013 Ecole Polytechnique
- 2012 Univ. Paris 7
- 2012 Univ. Strasbourg
- 2012 Univ. Versailles

External referee

- 2023 Kavli IPMU, Univ. of Tokyo - **Full professor Promotion**
- 2021 TU Munich - **W3 Promotion**
- 2021 Univ. of Alberta - **Tenure associate professor Promotion**

Scientific expert panel

- 2021-23 **FWO** (Research Fundation Flanders)
Nominated member
- 2008-18 **Agrégation Externe de Mathématiques - jury**
Nominated member

Consultative hiring committee of math departments

- 2018-25 Ecole Polytechnique
External nominated member
- 2015-17 Univ. Orsay
External nominated member

 Publications and preprints

Uniform bounds for obstructions to the integral Tate conjecture.

with A. Pirutka.

Journal of Algebraic Geometry, to appear.

Variations on a Tannakian Chebotarev density theorem,

with A. Tamagawa,

Math. Annalen, to appear.

Ghosts in family of abelian varieties with a common isogeny factor,

with A. Tamagawa,

Journal of the European Math. Soc., to appear.

\mathbb{Q}_ℓ - versus \mathbb{F}_ℓ -coefficients in the Grothendieck-Serre-Tate conjectures,

with C.Y. Hui and A. Tamagawa,

Israel J. of Math. 257 (Special issue in honor of Moshe Jarden), p. 71-101, 2023.

Reconstructing function fields from Milnor K-theory,

with A. Pirutka,

Algebra and Number Theory 15, p. 2261-2288, 2021.

+ *Oberwolfach Report 2021*

Representations of étale fundamental groups and specialization of algebraic cycles.

Contemporary Math. 767, AMS "Abelian varieties and number theory", M. Jarden and T. Shaska eds, p. 181–200, 2021.

A remark on uniform boundedness for Brauer groups,

with F. Charles,

Algebraic Geometry 7, p. 512–522, 2020.

Integral and adelic aspects of the Mumford-Tate conjecture,

with B. Moonen,

Journal de l'IMJ 19, p. 869–890, 2020.

An open adelic image theorem for motivic representations over function fields,

Math. Res. Lett. 26, p. 1–8, 2019.

Genus of abstract modular curves with level- ℓ structures,

with A. Tamagawa,

Journal für die reine und angewandte Mathematik (Crelle's Journal) 752, p. 25-61, 2019.

On subgroups of $GL_r(\mathbb{F}_\ell)$ and representations of étale fundamental groups,

with A. Tamagawa,

IMRN 2019, p. 2735–2762, 2019.

Geometric monodromy - semisimplicity and maximality,

with C.Y. Hui and A. Tamagawa,

Annals of Math. 186, p. 205–236, 2017.

Note on the gonality of abstract modular curves II

with A. Tamagawa,

Compos. Math. 152, p. 2405–2442, 2016.

+ *Oberwolfach Report 20216*

Galois generic points on Shimura varieties,

with A. Kret,

Algebra and Number Theory 10, p. 1893–1934, 2016.

On ℓ -independency in families of motivic ℓ -adic representations,

Manuscripta Mathematica 147, p. 381–398, 2015.

An adelic open image theorem for abelian schemes,

IMRN 2015, p. 10208–10242, 2015.

Controlling the image in one-dimensional families of ℓ -adic Galois representations,

with A. Tamagawa,

Journal of Algebra 412, p. 189–206, 2014.**A uniform open image theorem for ℓ -adic representations of the étale fundamental group of curves II,**

with A. Tamagawa,

Duke Math. Journal 162, p. 2301–2344, 2013.**A uniform open image theorem for ℓ -adic representations of the étale fundamental group of curves I,**

with A. Tamagawa,

Duke Math. Journal 161, p. 2605–2634, 2012.**On uniform boundedness of p -torsion on Abelian schemes,**

with A. Tamagawa,

Inventiones Math. 188, p. 83–125, 2012.*Note on the gonality of abstract modular curves,***MATCH-HGS CMS 2**, "PIA 2010 - the arithmetic of fundamental groups", J. Stix ed, Springer, p. 89–106, 2012.**Note on torsion conjecture,**

with A. Tamagawa,

In "Groupes de Galois Géométriques et différentiels", *Séminaires et Congrès*, 27, p. 57–68, SMF, 2012.**The l -primary torsion conjecture for abelian surfaces with real multiplication,**In "Algebraic Number Theory et Related Topics - 2010", *Proceedings of the RIMS* B32, p. 195–204, 2012.**On a weak variant of the geometric torsion conjecture,**

with A. Tamagawa,

Journal of Algebra 346, p. 227–247, 2011.**Abelian obstruction in inverse Galois theory,**

with P. Dèbes,

Manuscripta Mathematica 128, p. 329–341, 2009.**Stratification of Hurwitz spaces by closed modular subvarieties,**

with A. Tamagawa,

Pure et Applied Math. Quarterly 5 (Special Issue: In honor of Jean-Pierre Serre 2/2), p. 227–253, 2009.**Torsion of abelian schemes and rational points on moduli spaces,**

with A. Tamagawa,

In "Algebraic Number Theory et Related Topics 2007", *Proceedings of the RIMS*. B22, p. 7–30, 2009.**Lifting results for rational points on Hurwitz moduli spaces,***Israel Journal of Math.* 164, p. 19–61, 2008.**On the profinite regular inverse Galois problem,***Publ. R.I.M.S.* 44, p. 1143–1168, 2008.**Harbater-Mumford subvarieties of moduli spaces of covers,***Math. Annalen* 333, p. 355–391, 2005.**Counting real Galois covers of the projective line,***Pacific Journal of Mathematics* 219, p. 101–129, 2005.

 Survey articles (in peer-reviewed international journals or conference proceedings)
Degeneration locus of \mathbb{Q}_p -local systems: conjectures*Expositiones Math.* (Special issue in honor of Bas Edixhoven) 41, p. 675–708, 2023

Ultraproduct coefficients in etale cohomology - a survey,

In "proceedings of the 1st JNT biennial conference, Cetraro 2019", *Journal of Number Theory* 230, p. 64–88, 2022.

Galois categories,

In "Arithmetic and Geometry around Galois Theory - Istanbul 2009", *Progress in Math.* 304, p. 171–246, Birkhauser, 2012.

Motivated cycles under specialization,

In "Groupes de Galois Geometriques et differentiels", *Séminaires et Congrès*, 27, p. 57–68, S.M.F., 2012.

———— Survey / Diffusion articles (for a non-expert mathematical audience)

What is... a companion?

Collection "What is...", *Notices of the AMS* 68, p. 1179–1182, 2021.

La conjecture des compagnons (d'après Deligne, Drinfeld, L. Lafforgue, T. Abe ...),

Séminaire Bourbaki 71e année, 2018–2019, 1156, 2019.

———— Preprints

Variation of Tannaka groups of perverse sheaves in family.

with H. Liu.

On the \mathbb{Q} -compatibility of certain families of motivated \mathbb{Q}_ℓ -local systems.

with A. Tamagawa.

———— In progress

Degeneration of \mathbb{Q}_ℓ local systems on products of two curves.**Ultraproduct Weil II for curves and integral models in compatible families of l-adic local systems**

with W. Zheng.

+ *Oberwolfach Report 2018* - cf. also the survey article [JTN22].

On the toric locus of \mathbb{Q}_ℓ -local systems arising from geometry.

with J. Stix.

+ *Oberwolfach Report 2021*

Rigidity of ramification and applications.

with A. Tamagawa.

———— Lecture notes

Modules sur un anneau et représentations linéaires des groupes finis.

Collection Nano, **Calvage et Mounet**, 2024. (EAN: 9782493230027)

———— Invited talks

———— International conferences

- 06/2026 **Fundamental Geometries**
Bologna - Italy
- 10/2025 **Workshop on special cycles and related topics**
IAS, Princeton - USA
- 10/2025 **Clay Research Conference 2025**
Univ. of Oxford - UK
- 09/2025 **Arithmetic and Diophantine Geometry, via Ergodic Theory and o-minimality
- in honor of Emmanuel Ullmo's 60th birthday**
IHES, Bures-sur-Yvette - France
- 06/2025 **Etale homotopy theory**
Goethe Univ. Frankfurt - Germany
- 02/2025 **Motives, mapping class group and monodromy**
Lanzarote - Spain
- 01/2025 **Opening conference of the CyclADes ANR**
IRMA, Univ. Strasbourg - France
- 01/2025 **Hodge theory, periods and special loci
- in memory of Tobias Kreutz**
Humboldt Univ., Berlin - Germany
- 11/2024 **Arithmetic, geometry, space and time
- in honor of Minhyong Kim's 60th birthday**
ICMS, Edinburgh - UK
- 08/2024 **Simons Symposium Geometry over non closed fields**
Schloss Elmau - Germany
- 06/2024 **Curves, abelian varieties and related topics - CAVaReT**
Univ. Barcelona - Spain
- 09/2023 **Arithmetic and motivic Galois theory**
RIMS- Kyoto Univ. - Japan
- 09/2023 **Arithmetic and cohomology of algebraic varieties**
Institute of Mathematics, VAST, Hanoi - Vietnam
- 08/2023 **4th Korea-France conference in mathematics**
KIAS, Seoul - South Korea
- 06/2023 **A tour in arithmetic geometry
- in memory of Bas Edixhoven**
Lorentz center, Leiden - Netherlands
- 05/2023 **Arithmetic geometry and algebraic groups**
UVA, Charlottesville Virginia - USA (talk online)
- 03/2023 **Cycles algébriques, périodes et motifs - rencontre finale de l'ANR PerGaMo**
IRMA, Strasbourg - France
- 02/2023 **Diophantine geometry**
MSRI, Berkeley CA - USA
- 09/2022 **Women in arithmetic geometry**
Univ. of Heidelberg - Germany
- 09/2022 **Diophantine Geometry and L-functions
- in honor of Marc Hindry's 62th birthday**
IMB, Univ. Bordeaux 1 - France
- 07/2022 **Derived Categories, Arithmetic, and Reconstruction in Algebraic Geometry**
BIRS - Banff - Canada
- 06/2022* **Advances in Algebra and Applications - ICM Satellite conference**
Minsk - Belarus
- 04/2022 **Periods, Motives et Differential equations: between Arithmetic et Geometry
- in honor of Yves André's 60th birthday**
IHP, Paris - France
- 04/2022 **Arithmétique et géométrie dans les extensions de corps de nombres**
LMB, Univ. Franche-Comté, Besançon - France
- 04/2021 **Unlikely intersections, Diophantine geometry et related areas**
Univ. of Oxford - UK (talk online)
- 03/2021 **Homotopic et geometric Galois theory**
MFO, Oberwolfach - Germany (talk online)
- 11/2019 **Geometric realizations of Jacquet-Langlets correspondences**
AIM, San Jose CA - USA

- 09/2019 **Wild Ramification et Irregular Singularities**
IMPAN, Warsaw - Poland
- 09/2019 **Geometry of arithmetic varieties**
BICMR, Beijing - China
- 07/2019 **1st JNT biennial conference**
Cetraro - Italy
- 06/2019 **Rational points on irrational varieties**
IHP, Paris - France
- 11/2018 **Arithmétique et fonctions L**
LMB, Univ. Franche-Comté - France
- 06/2018 **Field arithmetic**
MFO, Oberwolfach - Germany
- 05/2018 **K3 surfaces and Galois representations**
Shepperton - UK
- 04/2018 **Arithmetic Geometry and Symmetries around Galois and Fundamental Groups**
MFO, Oberwolfach - Germany
- 12/2017 **Algebraic geometry and number theory
- in honor of Jean-Louis Colliot-Thélène's 70th birthday**
Villa Finaly, Firenze - Italy
- 06/2017 **Algebraic Analysis
- in honor of Masaki Kashiwara's 70th birthday**
IHES, Bures-sur-Yvette - France
- 12/2016 **Closing conference of the ANR GATHO**
IHP, Paris - France
- 11/2016 **Non-archimedean geometry et algebraic groups**
Goethe Univ. Frankfurt - Germany
- 08/2016 **Arithmetic Algebraic Geometry**
Courant Institute, NYU - USA
- 07/2016 **Arithmetic geometry**
Xiamen - China
- 05/2016 **Sinofrench workshop in algebraic et arithmetic geometry**
IMB, Univ. Bordeaux 1 - France
- 01/2016 **Torsors in arithmetic et algebraic geometry**
Univ. Nice - France
- 08/2015 **Lifting problems et Galois theory**
BIRS - Banff - Canada
- 07/2015 **AMS algebraic geometry summer institute 2015**
(session on "arithmetic of étale fundamental group")
Salt Lake City - USA
- 07/2015 **29th Journées arithmétiques**
(Plenary speaker)
Debrecen - Hungary
- 11/2014 **Galois representations**
Univ. Luxembourg - Luxembourg
- 02/2012 **Langlands Correspondence and Constructive Galois Theory**
MFO, Oberwolfach - Germany
- 12/2013 **Fundamental groups in arithmetic et algebraic geometry**
CRM Ennio de Giorgi, Pisa - Italy
- 09/2012 **Rational points on curves: A p-adic et computational perspective**
Univ. of Oxford - UK
- 06/2011 **Abelian varieties et Galois actions**
Adam Mickiewicz Univ., Poznan - Poland
- 12/2010 **Algebraic number theory et related topics**
RIMS, Kyoto Univ. - Japan
- 17/2010 **Arithmetic Geometry and Related Topics**
RIMS, Kyoto Univ. - Japan
- 04/2010 **Groupes de Galois Arithmétiques et différentiels**
CIRM, Luminy - France

- 02/2010 **PIA2010**
Univ. of Heidelberg - Germany
- 01/2010 **Torsion of abelian schemes et rational points on moduli spaces**
IMB, Univ. Bordeaux 1 - France
- 12/2009 **Higher dimensional algebraic geometry**
RIMS, Kyoto Univ. - Japan
- 10/2009 **Anabelian geometry**
INI, Cambridge - UK
- 07/2009 **Hiroshima 8th Number Theory workshop**
Hiroshima Univ. - Japan
- 06/2009 **GAGT summer school**
Istanbul - Turkey
- 02/2009 **Ehime Number Theory workshop**
Ehime - Japan
- 06/2008 **GAMSC summer school**
Istanbul - Turkey
- 11/2007 **Arithmetic of curves and covers**
Univ. Lille 1 - France
- 05/2007 **Arithmetic and differential Galois groups**
MFO, Oberwolfach - Germany
- 04/2007 **Recent developments on algebraic curves**
Univ. of Versailles - France
- 10/2006 **Arithmetic Galois theory et related moduli spaces**
RIMS, Kyoto Univ. - Japan
- 04/2006 **Profinite arithmetic geometry**
Red Lodge, Montana - USA
- 02/2006 **The arithmetic of fields**
MFO, Oberwolfach - Germany
- 09/2005 **Arithmetic Geometry of Covers of Curves et Related Topics**
RIMS, Kyoto Univ. - Japan
- (*: cancelled, Russia - Ukraina war)

 Academic seminars

- 11/2025 Colloquium, Univ. of Minnesota Twin Cities
- 11/2025 Arithmetic and Representation theory Seminar, Univ. of Minnesota Twin Cities
- 10/2025 Galois Theory Seminar, UPenn
- 04/2025 Zhongguancun Number Theory Colloquium, Morningside Center of Mathematics
- 04/2025 Number Theory Colloquium, Morningside Center of Mathematics
- 03/2025 Variétés rationnelles, Ecole Polytechnique
- 01/2025 Northern German Algebraic geometry seminar, Univ. of Bielefeld
- 04/2024 Number Theory Seminar, Univ. of Warwick
- 02/2024 Arithmetic Geometry Preprint Seminar, IMJ-PRG, Sorbonne Univ.
- 01/2023 Number theory days, Univ. of Basel
- 06/2023 Manin memorial London-Paris number theory seminar, Imperial College
- 07/2021 HKU Number Theory Days, the University of Hong Kong (online)
- 02/2020 Belgian-Dutch Algebraic Geometry Seminar, KU Leuven
- 01/2020 SFB Lecture, Univ. of Regensburg
- 02/2019 Arithmetic Geometry seminar, IRMA, Univ. Strasbourg
- 01/2019 Séminaire Bourbaki, IHP
- 12/2018 Variétés rationnelles, IHP
- 09/2018 Colloquium de l'IMAG, Univ. Montpellier
- 11/2018 Arithmetic geometry seminar, Univ. Paris 13

04/2018 RéGA, IHP
 06/2016 London-Paris Number Theory Seminar, University College London
 06/2016 Journées annuelles du GdR. TLAG, Univ. Champagne-Ardennes
 02/2018 Algebraic Geometry seminar, Stony Brook University
 02/2018 Algebraic Geometry seminar, Brown University
 02/2018 Algebraic Geometry seminar, Columbia University
 11/2017 Number Theory Seminar, Univ. of Oxford
 10/2017 Institut Joseph Fourier, Univ. Grenoble
 06/2017 N^3 days, Univ. Copenhagen
 03/2016 Number Theory seminar, ETH Zurich
 12/2015 Alfred Renyi Institute of Mathematics, Budapest
 12/2015 Algebra seminar, Univ. Lyon 1
 12/2015 Arithmetic geometry seminar, Univ. of Amsterdam
 10/2015 Adam Mickiewicz Univ., Poznan
 02/2015 SAGA, Univ. Orsay
 01/2015 Number theory seminar, Univ. Franche-Comté
 04/2014 Number theory seminar, UCLA
 12/2013 Indiana Univ., Bloomington
 11/2013 Princeton University / IAS joint Number Theory Seminar
 11/2013 Galois Theory seminar, UPenn
 10/2013 New-York joint Number Theory Seminar, CUNY
 04/2013 Arithmetic Geometry seminar, IRMA, Univ. Strasbourg
 03/2013 Dutch Intercity Seminar, Univ. of Utrecht
 02/2013 Algebra seminar, Univ. of Versailles
 02/2013 Seminar Cycles Algébriques, Univ. Paris 6
 01/2013 Number theory seminar, Univ. Marseilles
 03/2012 Joint Number theory seminar Univ. Lyon 1 / ENS Lyon
 03/2012 Algebraic geometry seminar, Univ. of Zurich
 02/2012 Variétés rationnelles, ENS Paris
 02/2012 Number theory seminar, Univ. Paris 6
 01/2012 Kyushu Univ.
 07/2011 IEM, Essen
 14/2011 Arithmetic geometry seminar, Univ. Paris 13
 04/2011 Number theory seminar, LMO, Univ. Caen
 03/2011 Univ. Toulouse Paul Sabatier
 05/2010 Univ. degli studi di Padova
 03/2010 Algebraic geometry seminar, IMAG, Univ. Montpellier
 03/2010 Number theory seminar, Univ. Franche-Comté
 03/2009 SAGA, Univ. Orsay
 01/2009 London Number Theory Seminar, University College London
 12/2008 Number theory seminar, ETH Zurich
 10/2008 Tata Inst. for Fundamental Research, Mumbai
 12/2007 Academia Sinica, Taipei
 12/2007 GTEM seminar, Univ. Lille 1
 08/2007 KIAS, Seoul
 03/2007 GTEM seminar, Univ. Lille 1
 01/2007 Number theory seminar, Hiroshima Univ.
 01/2007 Number theory seminar, Hiroshima Univ.
 01/2007 Number theory seminar, Okayama Univ.
 12/2006 Number theory seminar, Waseda Univ.
 12/2006 Number theory seminar, Tokyo Univ.
 06/2006 Arithmetic geometry seminar, IRMAR, Univ. Rennes 1
 06/2006 GaloisTheorieKolloquium, IEM, Essen
 04/2006 Number theory seminar, Colorado State Univ.
 03/2006 Institut Joseph Fourier, Univ. Grenoble
 02/2006 Number theory seminar, LMO, Univ. Caen
 01/2006 Number theory seminar, Univ. Paris 6
 12/2005 Algebra seminar, EPFL
 06/2005 IEM, Essen

06/2005 Number theory seminar, IMB, Univ. Bordeaux 1

04/2005 Number theory seminar, Univ. Franche-Comté

04/2005 Number theory and cryptography seminar, Univ. Limoges

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