

## Curriculum Vitae

Wiesława Nizioł

Sorbonne Université,  
IMJ-PRG, équipe de théorie des nombres,  
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France  
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### Education

Warsaw University 1980-84; M.Sc. *summa cum laude*, Computer Science, 1984;  
thesis: "Metody projektowania i specyfikacji algorytmów systolicznych",  
thesis advisor: Wojciech Rytter.

Stanford University 1985-86; Ph.D. program, Computer Science.

Princeton University 1986-91; Ph.D., Mathematics, October 1991;  
thesis: "On a cohomological functor associated to crystalline representations",  
thesis advisor: Gerd Faltings.

**Area of Specialization** : Arithmetic Algebraic Geometry

### Employment

Assistant Professor, Institute of Theory of Computations, Warsaw University, 1984-88.  
Research and Teaching Assistant, Princeton University, Mathematics Department, 1987-1990.  
L. E. Dickson Instructor, University of Chicago, 1992-96.  
D. Jackson Assistant Professor, University of Minnesota, 1993-94 .  
Assistant/Associate/Full Professor, University of Utah, 1996/2000/2011-2013.  
Directrice de Recherche, CNRS, ENS-Lyon, 2012-2019.  
Directrice de Recherche, CNRS, IMJ-PRG, Sorbonne Université, 2020-

### Visiting Positions

Postdoctoral Fellow, Harvard University, 1991-92.  
Max-Planck Institut für Mathematik, 1996-1997.  
IHP, Paris, April 1997, January-March 2010.  
Strasbourg University, CNRS Fellowship, May-July 2002.  
University of Münster, June 2003.  
Cambridge University, March 2004.  
Tokyo University, June, 2004.  
Berlin Mathematical School, BMS Professor, April-August 2009.  
Institut de Mathématiques de Jussieu, November-December 2008, April-June 2010.  
IAS, Princeton, Visitor, October-December 2010.  
Columbia University, October-December 2010.  
Fields Institute, Toronto, April-May, 2012.  
BICMR, Beijing, October, 2012.  
University of Padova, May, October 2013.  
MSRI, Research Professor, Fall 2014.  
Shanghai Center for Mathematical Sciences, Fall 2016.  
Tata Institute, Bombay, February 2017.  
Mittag-Leffler Institute, Stockholm, April 2017.  
IAS, Princeton, Member, Fall 2017.  
Hausdorff Center for Mathematics, Bonn, April, 2018.  
Banach Institute, Warsaw, Simons Semester, November 2018.

Princeton University, December 2018.  
 MSRI, Research Professor, Spring 2019.  
 Newton Institute, March 2020.  
 Banach Institute, Warsaw, January-March 2022.  
 MSRI, Chern Professor, Spring 2023.  
 IAS, Princeton, Member, Spring 2024.

## Honors

- Polish Computer Science Society Award for The Best Master Thesis in Computer Science, 1984, "Metody projektowania i specyfikacji algorytmów systolicznych".
- A. Sloan Research Fellowship, 1998-2001.
- Invited Lecture in Number Theory, ICM 2006, Madrid.
- Aisenstadt Chair, CRM, Université de Montréal, 2020.
- Member of Academia Europaea, elected 2021.
- Chern Professor, MSRI, Spring 2023.

## Selected Invited Lectures

- Invited Lecture in Number Theory, ICM 2006, Madrid.
- Berlin Mathematical School semester lectures (attached to BMS Professor), Berlin, April-August 2009.
- Aisenstadt Lectures (attached to Aisenstadt Chair), CRM, Université de Montréal, 2020.

## Grants

- (1) NSF grant:
  - (a)  $p$ -adic Periods and Algebraic  $K$ -theory, 1998-2001;
  - (b) Studies in  $K$ -theory and Arithmetic, 2001-2004;
  - (c) Studies in  $K$ -theory and Arithmetic, 2004-2007;
  - (d) Geometric  $p$ -adic Galois Representations, 2007-2010;
  - (e) Geometric  $p$ -adic Galois Representations, 2010-2013.
- (2) Member of ANR grant "Percolator: perfectoides correspondance de Langlands et torsion dans la cohomologie", 2014-2019.
- (3) Coordinator of ANR grant "Coloss: Cohomologie des espaces localement symétriques", 2019-2023.
- (4) Co-PI, Simons Collaboration on Perfection in Algebra, Geometry, and Topology, 2023-2027.

## Publications

- (1) *Cohomology of crystalline representations*, Duke Math. Journal 3 (1993), 747–791.
- (2) *On the image of  $p$ -adic regulator*, Invent. Math. 127 (1997), 375–400.
- (3) *Duality in the cohomology of crystalline local systems*, Comp. Math. 109 (1997), 67–97.
- (4) *Crystalline Conjecture via  $K$ -theory*, Ann. Scient. École Norm. Sup. 31 (1998), 659-681.
- (5) *Cohomology of crystalline smooth sheaves*, Comp. Math. 129 (2001), 123–147.
- (6) *Toric singularities: log-blow-ups and resolutions*, J. Algebraic Geom. 15 (2006), 1-29.
- (7)  *$p$ -adic motivic cohomology and arithmetic*, International Congress of Mathematicians. Vol. II, 459–472, Eur. Math. Soc., Zürich, 2006.
- (8) *Semistable Conjecture via  $K$ -theory*, Duke Math. J. 141 (2008), no. 1, 151-178.
- (9)  *$K$ -theory of log-schemes I*, Doc. Math. 13 (2008), 505-551.
- (10) *On uniqueness of  $p$ -adic period morphisms*, Pure Appl. Math. Q. 5 (2009), no. 1, 163-212.
- (11)  *$K$ -theory of log-schemes II: log-syntomic  $K$ -theory*, Adv. Math. 230 (2012), 1646-1672.
- (12) *Syntomic cohomology and regulators for varieties over  $p$ -adic fields* (with Jan Nekovář), Algebra and Number Theory 10 (2016), no.8, 1695-1790.
- (13) *Syntomic complexes and  $p$ -adic nearby cycles*, (with Pierre Colmez), Invent. Math. 208 (2017), 1-107.

- (14) *On  $p$ -adic absolute Hodge cohomology and syntomic coefficients, I*, (with Frédéric Déglise), *Comment. Math. Helv.* 93 (2018), no. 1, 71-131.
- (15) *Syntomic cohomology and  $p$ -adic motivic cohomology*, (with Veronika Ertl), *Algebr. Geom.* 6 (2019), no. 1, 100-131.
- (16) *Geometric syntomic cohomology and vector bundles on the Fargues-Fontaine curve*, *J. Algebraic Geom.* 28 (2019), 605–648.
- (17) *Cohomology of  $p$ -adic Stein spaces* (with Gabriel Dospinescu and Pierre Colmez), *Invent. Math.* 219 (2020), no.3, 873-985.
- (18) *Sur la cohomologie  $p$ -adique de la tour de Drinfeld, le cas de dimension 1*, (with Pierre Colmez and Gabriel Dospinescu), *J. Amer. Math. Soc.* 33 (2020), 311-362.
- (19) *On uniqueness of  $p$ -adic period morphisms, II*, *Comp. Math.* 156 (2020), no. 9, 1915–1964.
- (20) *On the cohomology of the affine space* (avec Pierre Colmez),  *$p$ -adic Hodge Theory*, Simons Symposia, Springer, 2020, 71–80.
- (21) *On  $p$ -adic comparison theorems for rigid analytic varieties, I* (avec Pierre Colmez), *Münster J. Math.* 13 (2020) (Special Issue: In honor of Ch. Deninger), 445–507.
- (22) *Integral  $p$ -adic étale cohomology of Drinfeld symmetric spaces* (avec Pierre Colmez, Gabriel Dospinescu), *Duke Math. J.* 170 (2021), no. 3, 575–613.
- (23)  *$p$ -adic étale cohomology of period domains* (avec Pierre Colmez, Gabriel Dospinescu, Julien Hauseaux), *Math. Ann.* 381 (2021), 105-180.
- (24) *Hodge Theory of  $p$ -adic varieties: a survey*, *Ann. Polon. Math.* 127 (2021), 63–86.
- (25) *Cohomologie des courbes analytiques  $p$ -adiques*, (with Pierre Colmez, Gabriel Dospinescu), *Cambridge Journal of Mathematics*, Vol. 10, No. 3 (2022), 511–655.
- (26) *Factorisation de la cohomologie étale  $p$ -adique de la tour de Drinfeld*, (with Pierre Colmez, Gabriel Dospinescu), *Forum Math., Pi* 11 (2023), e16, 1–62.
- (27) *Correspondance de Langlands locale  $p$ -adique et anneaux de Kisin*, (with Pierre Colmez, Gabriel Dospinescu), *Acta Arithmetica* 208 (2023), 101–126.
- (28) *On syntomic regulators I: constructions*, arXiv:1607.04975 [math.NT], 61 pages, 2016.
- (29) *On the cohomology of  $p$ -adic analytic spaces, I: The basic comparison theorem*, (with Pierre Colmez), arXiv:2104.13448 [math.NT], 67 pages, April 2021.
- (30) *On the cohomology of  $p$ -adic analytic spaces, II: The  $C_{\text{st}}$ -conjecture*, (with Pierre Colmez), arXiv:2108.12785 [math.NT], 57 pages, August 2021.
- (31) *Arithmetic duality for  $p$ -adic pro-étale cohomology of analytic curves*, (with Pierre Colmez, Sally Gilles), arXiv:2308.07712, 64 pages, August 2023.
- (32) *On the  $v$ -Picard group of Stein spaces*, (with Veronika Ertl, Sally Gilles), arXiv:2312.14649, 22 pages, December 2023.

## Talks

- 1997: Poincaré Institute, conference on  $p$ -adic geometry; Max-Planck Institut, Muenster, Strasbourg, seminars.
- 1998: ICM 1998 satellite conference on Algebraic Geometry, Essen.
- 1999: CalTech, number theory seminar; Great Lakes K-theory Conference, V; CRM workshop on Arithmetic Geometry, Montreal.
- 2000: Toulouse, Algebraic  $K$ -theory and homotopy theory of schemes; Azumino, Japan, Algebraic Geometry 2000.
- 2002: Strasbourg, Number Theory seminar.
- 2003: University of Southern California, colloquium; University of Muenster, Number Theory seminar; University of Chicago, Algebraic Geometry seminar; BIRS, “ $p$ -adic variation of motives”.
- 2004: University of Arizona, Number Theory seminar; Cambridge University, Number Theory seminar; Nottingham University, Number Theory seminar; AMS meeting, USC, “Arithmetic Geometry and K-theory”; Tokyo University, Number Theory seminar; Kyoto University, Number Theory seminar; Research Symposium “L-functions and Galois Representations”, Univ.

- of Durham; AMS meeting, Northwestern University, "Applications of Motives"; AMS meeting, University of New Mexico, "Arithmetic Geometry".
- 2005: Joint Columbia-CUNY-NYU Number Theory seminar; University of Florida, Arithmetic Geometry conference.
  - 2006: Invited Lecture, Number Theory, ICM 2006, Madrid; AMS Meeting, Salt Lake City, "Number Theory"; BYU, colloquium.
  - 2007: Joint Mathematics Meeting, New Orleans, "Arithmetic Geometry"; AMS meeting, Tucson, "Number Theory".
  - 2008: University of Chicago, Algebraic Geometry seminar; USC, Algebra seminar; Jussieu, Number Theory Seminar.
  - 2009: Conference "p-adic geometry and homotopy theory", Loen, Norway; Humboldt University, Arithmetic Geometry Seminar.
  - 2010: Conference in honour of Jean-Marc Fontaine, IHP, Paris; Conference LogConf2010, Bordeaux, France, Colloquium, Berkeley.
  - 2011: WIN2, Banff; Conference, "Cycles on Modular Varieties", Banff; "Automorphic forms and Galois representations", Durham.
  - 2012: University of Toronto, Number Theory Seminar; BIRCM, Beijing; Conference "p-adic Arithmetic Geometry", Lyon.
  - 2013: Number Theory Seminar, Padova; Number Theory Seminar, John Hopkins University; Number Theory Seminar, University of Chicago; Number Theory Seminar, Bordeaux; WIN3, CIRM, Luminy.
  - 2014: Hot Topics "Perfectoid spaces and their applications", MSRI; Conference "Motives and Galois groups", Regensburg; conference "Arithmétique des variétés de Shimura et des formes automorphes et applications", CIRM (Luminy, France); Journées Solstice d'été 2014, Jussieu, Paris; Seminar, MSRI.
  - 2015: London Number Theory Seminar; conference "Non-Archimedean Geometry and its Applications", University of Michigan; 2015 Summer Research Institute on Algebraic Geometry, Salt Lake City; Journées arithmétiques à Lyon; Non-Archimedean geometry and applications, Oberwolfach.
  - 2016: Indo-French program for mathematics, Chennai; HCM workshop: recent developments in integral  $p$ -adic cohomologies, Bonn; Number Theory Seminar, Milan; conference "Regulators IV" in Paris - IMJ-PRG; Séminaire de Géométrie Arithmétique Paris-Pékin-Tokyo, - IHES; SAGA, Orsay; The Second Sino-French Conference in Arithmetic Geometry, Sanya, China.
  - 2017: Tata Institute (colloquium and 1 lecture); Mittag-Leffler Institute Seminar; Grothendieck seminar, Zürich; Simons Symposium, Schloss Elmau; University of British Columbia (2 exposés); Conference "K-theory and Arithmetic", Bedlewo; IAS/Princeton Number Theory Seminar; Joint CNN Number Theory Seminar, Columbia University; Algebra and Number Theory Day, University of Maryland; BC-MIT Number Theory Seminar.
  - 2018: GRFA, Jussieu; University of Utah (seminar and colloquium); Hot Topics, "Homological conjectures", MSRI; Arbeitsgemeinschaft, "Topological Hochschild Homology", Oberwolfach; Algebraische Zahlentheorie, Oberwolfach; conference, "Correspondance de Langlands  $p$ -adique, variétés de Shimura et perfectoïdes", Luminy; conference, "Arithmetic Algebraic Geometry", Poznan; Simons Semester "Varieties: Arithmetic and transformations", Banach Institute, Warsaw; "Syntomic cohomology and  $p$ -adic Hodge Theory", Oberwolfach Seminar; IAS/Princeton Number Theory Seminar.
  - 2019: MSRI workshop: "Connections for Women: Derived Algebraic Geometry, Birational Geometry and Moduli Spaces"; Number Theory Seminar, Stanford; MSRI Colloquium, Berkeley; London-Paris Number Theory Seminar; Conference "Geometric methods in  $p$ -adic Representation Theory", Dublin; Jubileuszowy Zjazd Matematyków Polskich, Krakow.
  - 2020: "International colloquium on Arithmetic Geometry", TIFR; Number Theory Seminar, Paris 13; Electronic Algebraic  $K$ -theory Seminar; Recent Advances in Modern  $p$ -Adic Geometry

Seminar; conference "Tropical geometry, Berkovich spaces, arithmetic D-modules", Imperial College, London; colloquium, ISM, Quebec; Aisenstadt Lectures, Montréal.

- 2021: conference "Arithmetic Geometry" (in honor of T. Saito's 60th birthday), Tokyo; colloquium, Univ. of Minnesota; Number Theory Seminar, Jussieu; Motivic Geometry Seminar, Oslo; 2021 Fields Medal Symposium, The Fields Institute, Toronto.; Number Theory seminar, Univ. of Chicago.
- 2022: seminar IMPANGA, IMPAN, Warsaw; Workshop in Arithmetic Geometry, Roma; Algebraic Geometry Seminar, University of Warsaw; Simons Symposium, " $p$ -adic Hodge Theory", Gleneagles, UK; British Mathematical Colloquium, King's College, London; Franco-Asian Summer School on Arithmetic Geometry in Luminy; conference, "Topology and Arithmetic around the Langlands program", Stockholm University; conference "Galois Representations, Automorphic Forms and L-Functions", Luminy; conference "Arithmetic Geometry" (in honor of B. Chiarellotto's 60th birthday), Padova; conference "Elliptic curves and modular forms in arithmetic geometry (celebrating Massimo Bertolini's 60th birthday)", Milan; conference " $p$ -adic Hodge Theory and Applications", Clay Mathematics Institute, Oxford.
- 2023: Colloquium in Honor of the Retirement of Professor Gerd Faltings, Mac Planck Institute, Bonn; Connections Workshop: Algebraic Cycles, L-Values, and Euler Systems, MSRI, Berkeley; Number Theory Seminar, Stanford University; Number Theory Seminar, Frankfurt University; Conference on Local Langlands and  $p$ -adic methods, Hausdorff Insitute; Conference "Galois representations and automorphic forms", Bedlewo, Poland; Conference "Arithmetic Algebraic Geometry, A conference on the occasion of Michael Rapoport's 75th birthday", Münster, Germany; Conference "Arithmetic and Cohomology of Algebraic Varieties", Hanoi, Vietnam.
- 2024: Colloquium, University of Chicago; Colloquium, Rutgers University; Number Theory Seminar, University of Chicago; Arithmetic Geometry Seminar, IAS/Princeton University; Workshop on  $p$ -adic Arithmetic Geometry, IAS, Princeton.

### Professional Service

- (1) Editorial positions:
  - CRM-AMS Publications (Centre de Recherches Mathématiques, Montréal-American Mathematical Society), Editorial Board Member, 2023-
  - Bulletin Polish Acad. Sci. Math., Supporting Editor, 2019-.
- (2) Jury:
  - Jury of "Medal i Wykład im. Waclawa Sierpinskiego", 2018-2021.
- (3) Organization of conferences:
  - 1999: co-organizer of a Special Session on Arithmetic Geometry for the AMS meeting at the University of Utah.
  - 2007: co-organizer of a Special Session on Arithmetic Geometry for the joint PTM-AMS meeting in Warsaw.
  - 2011: session co-leader, "K-theory and Number Theory", WIN2, Banff.
  - 2012: co-organizer of a conference, "Algebraic K-theory and Arithmetic", Bedlewo, Poland.
  - 2013: co-organizer of a conference "Arithmetic Geometry", Warsaw; session co-leader, " $p$ -adic geometry, syntomic cohomology, and applications to Number Theory", WIN3, CIRM, Luminy.
  - 2014: scientific committee, "Conference on Arithmetic Algebraic Geometry on the occasion of Gerd Faltings' 60'th birthday", Bonn.
  - 2017: co-organizer of a conference "Algebraic K-theory and Arithmetic", Bedlewo, Poland.
  - 2018: co-organizer, hot topics conference in MSRI "The homological conjectures".
  - 2018: co-organizer of a trimester "Algebraic groups and geometrization of the Langlands program", ENS Lyon.
  - 2018: co-organizer of a conference for the 60'th birthday of Grzegorz Banaszak, Poznan, Poland.

- 2018: organizer of an Oberwolfach Seminar, Oberwolfach, "Syntomic cohomology and  $p$ -adic Hodge Theory".
  - 2021: co-organizer, Journée de rentrée, Jussieu.
  - 2022: co-organizer of a conference "Cohomology of varieties", Banach Institute, Warsaw; co-organizer of a group "Relative  $p$ -adic Hodge Theory", WIN4 Europe, Utrecht; scientific committee, summer school: "Motives and Arithmetic Groups", Strasbourg.
  - 2023: scientific committee, IHES Summer school: "Recent advances in algebraic  $K$ -theory", Paris; scientific committee, Research School, CIRM-SMF Program, "Condensed Mathematics"; co-organizer of a conference "Arithmetic geometry - in memory of Jan Nekovář", IHES, Paris.
  - 2024: co-organizer of a conference "Faltings' 70th birthday", Mac-Planck Institute, Bonn, Germany; scientific committee Journées Arithmétique, Luxembourg, 2025; co-organizer of a conference "K-theory and Arithmetic", Bedlewo, Poland.
- (4) Organization of seminars:
- Number Theory Seminar, organizer, Univ. of Utah, 1999-2003.
  - Number Theory Seminar, co-organizer, IMJ-PRG, 2021–.
  - Arithmetic Geometry Preprint Seminar, co-organizer, IMJ-PRG, 2021–.
- (5) Panels:
- USA, NSF, member of three proposal evaluation panels.
  - Germany, GRF, member of a review panel for a CRC grant, 2021.
  - France, IUF Juniors, 2022.
  - France, IUF Juniors, 2023.
- (6) Hiring committees:
- 2016, Professor, Lille.
  - 2017, Maitre de conférence, Paris 6.
  - 2018, Professor, Lyon 1 and Versailles.
  - 2023, Maitre de conférence, Paris 6.
- (7) PhD thesis jury member:
- 2013 Giovanni di Matteo, student of Laurent Berger, ENS-Lyon.
  - 2016 Jin Fang Zhou, student of Frederic Déglise, ENS-Lyon.
  - 2017 Arthur-César Le Bras, student of Laurent Fargues and Michael Harris, Sorbonne Univ.
  - 2018 Matthew Morrow, HDR, Sorbonne Univ.
  - 2019 Francois Brunault, HDR, ENS-Lyon.
  - 2020 Sally-Gilles, PhD, my student, ENS-Lyon.
  - 2020 Yu Min, student of Matthew Morrow, Sorbonne Univ..
  - 2020 Damien Junger, student of Gabriel Dospinescu, ENS-Lyon.
  - 2021 Zhouhang Mao, student of Matthew Morrow, Sorbonne Univ..
  - 2022 Sebastian Bartling, student of Laurent Fargues, Sorbonne Univ.
  - 2022 Zhixiang Wu, student of Benjamin Schraen, Univ. Paris-Saclay.
  - 2022 Juan Esteban Rodriguez Camargo, student of Vincent Pilloni, ENS-Lyon.
  - 2022 Ludovic Monier, student of Bertrand Toën, Univ. de Toulouse.
  - 2022 Yicheng Qin, student of Javier Fresan, École Polytechnique.
  - 2023 Tongmu He, student of Ahmed Abbes, Univ. Paris-Saclay.
- (8) PhD thesis report:
- 2018 Matthew Morrow, HDR, Paris 6.
  - 2018 Elmiro Vetere, PhD, Freiburg, student of Annette Huber.
  - 2021 Abhinandan, PhD, Bordeaux, student of Denis Benois.
- (9) Refereeing: Acta Mathematica, Algebra and Number Theory, American Journal of Mathematics, Ann. Sci. École Norm. Sup., Astérisque, Bulletin de la Société Mathématique de France, Bulletin of London Mathematical Society, Bulletin of Polish Academy of Sciences Math., Commentarii Mathematici Helvetici, Compositio Mathematica, Documenta Math.,

Expo. Math., Invent. Math., IMRL, Israel Journal of Math., Journal für die reine und angewandte Mathematik, Journal Inst. Math. Jussieu, Journal of Algebraic Geometry, Journal of AMS, Journal of Number Theory, Manuscripta Mathematica, Math. Annalen, Representation Theory, Selecta Math., Transactions of AMS, Tunisian Journal of Mathematics.

## Teaching

- (1) Lecture series:
  - $p$ -adic cohomology of  $p$ -adic symmetric spaces; Fudan, Shanghai, 2016.
- (2) Graduate courses:
  - Perfectoid Spaces; Utah.
  - Tate's Thesis; Utah;
  - Modular Forms; Utah;
  - Modular Forms and Hecke Algebras; BMS, Berlin;
  - K-theory; Utah;
  - Analysis of Algorithms; Warsaw;
  - Algorithmic Logic; Warsaw.
- (3) Undergraduate courses:
  - Calculus, Vector Calculus; Utah, Minnesota, Chicago;
  - Honor Calculus; Chicago;
  - Real Analysis; Utah, Chicago;
  - Abstract Algebra; Chicago;
  - Linear Algebra; Utah;
  - Basic Number Theory, Algebraic Number Theory; Utah;
  - Statistics; Utah;

## Study groups

- 2004-2005: graduate course on  $p$ -adic Galois representations;
- summer 2006: graduate course on  $p$ -adic modular forms;
- 2006-2007: study group on  $p$ -adic modular forms;
- 2007-2008: study group on the proof of Serres conjecture;
- spring 2009: study group on Wiles proof of Fermat Last Theorem;
- fall 2009: study group on  $p$ -adic local Langlands for  $GL_2$ ;
- spring 2011: study group on cohomology of  $p$ -adic symmetric spaces;
- fall 2011: study group on adic spaces;
- spring 2012: study group on perfectoid spaces;
- fall 2012: study group on global-local compatibility of Emerton;
- fall 2013: study group on Scholze-Weinstein;
- spring 2021: study group on condensed mathematics.
- spring 2024: study group on Fargues-Scholze (IAS/Princeton).

## M2 students

- (1) Sally Gilles, ENS-Lyon, 2017; memoire: "Integral  $p$ -adic Hodge Theory".
- (2) Marti Roset Julia, 2020; memoire: "On  $\mathcal{L}$ -invariants of  $p$ -adically uniformized varieties".
- (3) Xinyu Shao, 2021; memoire: "Wild ramifications and  $K(\pi, 1)$ -spaces."
- (4) Yi Xiaodong, 2021; memoire: "Rigidity and Riemann-Hilbert correspondence for  $p$ -adic local systems".
- (5) Yicheng Zhou, 2021; memoire: "Locally analytic vectors and relative Sen theory."
- (6) Dagur Tomas Asgeirsson, 2021; memoire: "Condensed mathematics".
- (7) Zhenghui Li, 2022; memoire: "Fargues-Fontaine curve."
- (8) Zhipu Zhao, 2022; memoire: "Oveconvergent modular forms and the Fontaine-Mazur conjecture."
- (9) Guillaume Pignon-Ywanne, 2022; memoire: "Extension groups of some period sheaves".

- (10) Rein Janssen Groesbeek, 2023; memoire: "Classification of  $p$ -divisible groups over  $\mathcal{O}_C$ ."

### PhD students

- (1) Chih-Chieh Chen, 2009-2014, Utah. PhD thesis: "Integral  $p$ -adic comparison theorems".
- (2) Veronika Ertl, 2009-2014, Utah. PhD thesis: "Overconvergent Chern classes and higher cycle classes".
- (3) Sally Gilles, 2017-2020, ENS-Lyon; PhD thesis: "Morphismes de périodes et cohomologie syntomique".
- (4) Guido Bosco, IMJ-PRG, 2019-2023; PhD thesis: "Théorie de Hodge  $p$ -adique pour les variétés rigides analytiques."
- (5) Yicheng Zhou, IMJ-PRG, 2021-.
- (6) Xinyu Shao, IMJ-PRG, 2021-.
- (7) Zhenghui Li, IMJ-PRG, 2022-.
- (8) Rein Janssen Groesbeek, 2023-.

### Mentoring

REU supervisor: 2001.

Postdocs: Krzysztof Klosin, Bo-Ha Im, Remi Lodh, University of Utah.