

# Lucas Mann

## Employment

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### University of Münster

*Akademischer Rat auf Zeit (Postdoc)*

**Münster, Germany**

*Jul 2022–present*

### University of Bonn

*Research Associate*

**Bonn, Germany**

*Mar 2019–Jun 2022*

## Education

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### University of Bonn

*Ph.D. in Mathematics, Grade: 0.0 (summa cum laude)*

*Advisor: Peter Scholze*

**Bonn, Germany**

*Mar 2019–Jun 2022*

### Humboldt University

*M. Sc. in Mathematics, Grade: 1.0*

**Berlin, Germany**

*Aug 2016–Dec 2018*

### Humboldt University

*B. Sc. in Computer Science, Grade: 1.0*

**Berlin, Germany**

*Oct 2013–Oct 2017*

### Humboldt University

*B. Sc. in Mathematics, Grade: 1.0*

**Berlin, Germany**

*Oct 2013–Aug 2016*

### Heinrich-Hertz High School

*Abitur, Grade: 1.0*

**Berlin, Germany**

*2006–2013*

## Curricular Activities

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### Research Talks

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#### Copenhagen Research Seminar

*6-Functor Formalisms and the Category of Kernels*

**Copenhagen, Denmark**

*Jan 2025*

#### Bonn Research Seminar

*Categorical Foundations for the Categorical Local Langlands Correspondence*

**Bonn, Germany**

*Dec 2024*

#### Workshop on Analytic de Rham Stacks

*Abstract 6-Functor Formalisms*

**Warsaw, Poland**

*Dec 2024*

#### AIM-Workshop on Chromatic Homotopy Theory and $p$ -Adic Geometry

*Pro-Étale Cohomology*

**L.A., USA**

*Dec 2024*

#### Workshop on $p$ -Adic Geometry

*6-Functor Formalisms in Categorical Local Langlands (4 Talks)*

**Singapore**

*Nov 2024*

#### Chicago Research Seminar

*6-Functor Formalisms in  $p$ -adic Geometry (3 Talks)*

**Chicago, USA**

*Mar 2024*

#### Strasbourg Research Seminar

*Six Functors for  $\mathbb{Q}_p$ -Sheaves in Rigid Geometry*

**Strasbourg, France**

*Feb 2024*

<b>Singapore Research Seminar</b> <i>p-adic Representations via 6-Functor Formalisms</i>	<b>Singapore</b> Dec 2023
<b>Workshop on p-adic Arithmetic Geometry</b> <i>Quasi-coherent sheaves on the relative Fargues-Fontaine curve</i>	<b>Princeton, USA</b> Nov 2023
<b>Workshop on Condensed Mathematics</b> <i>A p-Adic 6-Functor Formalism in Rigid-Analytic Geometry</i>	<b>Haramura, Japan</b> Sep 2023
<b>Münster Research Seminar</b> <i>Representation Theory via 6-Functor Formalisms</i>	<b>Münster, Germany</b> Jun 2023
<b>Arbeitstagung on Condensed Mathematics</b> <i>Quasicoherent Sheaves on Perfectoid Spaces</i>	<b>Bonn, Germany</b> Jun 2023
<b>Conference on Local Langlands</b> <i>Representation Theory via 6-Functor Formalisms</i>	<b>Bonn, Germany</b> Jun 2023
<b>Mainz Research Seminar</b> <i>A p-Adic 6-Functor Formalism in Rigid-Analytic Geometry</i>	<b>Mainz, Germany</b> Apr 2023
<b>Zürich Research Seminar</b> <i>A p-Adic 6-Functor Formalism in Rigid-Analytic Geometry</i>	<b>Zürich, Switzerland</b> Apr 2023
<b>CIRM Workshop</b> <i>6-Functor Formalisms</i>	<b>Luminy, France</b> Mar 2023
<b>Heidelberg Spring School</b> <i>Solid Quasicoherent Sheaves on Adic Spaces</i>	<b>Heidelberg, Germany</b> Mar 2023
<b>Oberwolfach Workshop</b> <i>p-Adic Sheaves on Classifying Stacks and the p-Adic JL Correspondence</i>	<b>Oberwolfach, Germany</b> Feb 2023
<b>Paris Research Seminar</b> <i>p-Adic Sheaves on Classifying Stacks and the p-Adic JL Correspondence</i>	<b>Paris, France</b> Jan 2023
<b>Wuppertal Research Seminar</b> <i>A p-Adic 6-Functor Formalism in Rigid-Analytic Geometry</i>	<b>Wuppertal, Germany</b> Dec 2022
<b>Milan Research Seminar</b> <i>A p-Adic 6-Functor Formalism in Rigid-Analytic Geometry</i>	<b>Milan, Italy</b> Dec 2022
<b>Darmstadt Research Seminar</b> <i>Solid Quasicoherent Sheaves on Discrete Adic Spaces</i>	<b>Darmstadt, Germany</b> Jul 2022
<b>Essen Research Seminar</b> <i>A p-Adic 6-Functor Formalism in Rigid-Analytic Geometry</i>	<b>Essen, Germany</b> Jul 2022
<b>Simons Symposium</b> <i>A p-Adic 6-Functor Formalism in Rigid-Analytic Geometry</i>	<b>Gleneagles, UK</b> May 2022
<b>Stockholm Conference</b> <i>A p-Adic 6-Functor Formalism in Rigid-Analytic Geometry</i>	<b>Stockholm, Sweden</b> May 2022
<b>Oberwolfach Workshop</b> <i>A p-Adic 6-Functor Formalism in Rigid-Analytic Geometry</i>	<b>Oberwolfach, Germany</b> Feb 2022
<b>Paris Research Seminar</b> <i>A p-Adic 6-Functor Formalism in Rigid-Analytic Geometry (3 talks)</i>	<b>Paris, France</b> Jan 2022

<b>Münster Research Seminar</b> <i>p-Adic Six Functors in Rigid-Analytic Geometry (2 talks)</i>	<b>Münster, Germany</b> Oct 2021
<b>RAMpAGe Seminar</b> <i>p-Adic Six Functors on Diamonds</i>	<b>Online</b> Feb 2021
<b>Bonn Research Seminar</b> <i>p-Adic Six Functors on Diamonds (2 talks)</i>	<b>Bonn, Germany</b> Feb 2021

## Teaching.....

<b>Seminar on <math>p</math>-Adic Simpson and the Connection to Sen Theory</b> Co-Organizer	<b>Münster, Germany</b> Winter 2024/25
<b>Lecture on Representations of Finite Groups</b> Assistant	<b>Münster, Germany</b> Winter 2024/25
<b>Lecture on Commutative Algebra</b> Assistant	<b>Münster, Germany</b> Winter 2023/24
<b>Lecture on Linear Algebra II</b> Assistant	<b>Münster, Germany</b> Summer 2023
<b>Seminar on Condensed Mathematics</b> Organizer	<b>Münster, Germany</b> Winter 2022/23
<b>Lecture on Linear Algebra I</b> Assistant	<b>Münster, Germany</b> Winter 2022/23
<b>Lecture on Abelian Varieties</b> Tutor; involved in problem design	<b>Bonn, Germany</b> Summer 2021
<b>Lecture on Algebraic Number Theory</b> Tutor	<b>Bonn, Germany</b> Winter 2020/21

## Other.....

<b>CRC Funding Proposal</b> Assistant (creating and maintaining LaTeX templates)	<b>Münster, Germany</b> 2023–2024
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## Extracurricular Activities

<b>International Mathematics Competition</b> Mentor for the team from Bonn; involved in grading	<b>Bonn, Germany</b> Aug 2020
<b>PROMYS and PROMYS Europe</b> Student Participant, Counsellor, Head Counsellor PROMYS is an intense six-week mathematical summer school which introduces high school students to mathematical research, the main topic being number theory. I first participated as a student, then returned as a counsellor (supervisor for the students) and then returned several times as the Head Counsellor in the newly emerging European version of the summer school, which I helped to build and shape.	<b>Boston, USA and Oxford, UK</b> Jul 2013, 2014, ..., 2018
<b>Mathematical Student Society</b> Conducted a weekly seminar for 7th, 8th, 9th and 10th grade students.	<b>Berlin, Germany</b> Sep 2014–Dec 2018
<b>Berlin Mathematical Olympiad</b> Conducted seminars on various topics; involved in grading and problem design.	<b>Berlin, Germany</b> 2013–present

## Awards and Honours

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<b>University of Bonn</b> <i>Hausdorff Memorial Award for the best dissertation in 2021/2022</i>	<b>Bonn, Germany</b> <i>Jan 2023</i>
<b>Berlin Mathematical Society</b> <i>Bachelorpreis 2017</i>	<b>Berlin, Germany</b> <i>Nov 2017</i>
<b>Bundeswettbewerb Mathematik</b> <i>Bundessieger</i>	<b>Germany</b> <i>Feb 2013</i>

## Scholarships

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<b>Studienstiftung des deutschen Volkes</b> <i>300€ per month</i>	<b>Germany</b> <i>2013–2018</i>
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