Liam Rogel

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Education

04/2021 – 11/2025	**PhD student in Mathematics**, *University of Kaiserslautern–Landau*, 'Asymptotic Hecke Categories' supervised by Ulrich Thiel.
08/2018 – 03/2021	**Master of Science (M.Sc.)**, *University of Kaiserslautern–Landau*, Specialization in *Algebraic Geometry and Computer Algebra*, Thesis 'Monoidal Categories of Equivariant Coherent Sheaves on Finite Sets' supervised by Ulrich Thiel.
10/2015 – 07/2018	**Bachelor of Science (B.Sc.)**, *University of Kaiserslautern–Landau*, Subsidiary subject *Computer Science* and mathematical specialization in *Algebra, Geometry and Computeralgebra*, Thesis 'Patchworking of Real Algebraic Plane Curves' supervised by Andreas Gathmann.

Employment

04/2025 – 09/2026	**Postdoctoral Researcher**, *University of Kaiserslautern–Landau*.
04/2021 – 03/2025	**Doctoral Researcher**, *University of Kaiserslautern–Landau, until 31.12.2022 Technical University of Kaiserslautern*, Project A20: 'Towards unipotent character sheaves associated to Coxeter groups' of the SFB-TRR 195.
10/2016 – 03/2025	**Student Research Assistant**, *University of Kaiserslautern–Landau*.

Research stays

06/2022 – 08/2022	Department of Mathematics, University of Oregon, Eugene, OR, US, visiting Associate Professor **Ben Elias**

Publications

Preprint

07/2025	with Ben Elias and Daniel Tubbenhauer. **On the asymptotic Category**, *arxiv*:2507.10061

Accepted

2026	with Ulrich Thiel. **The center of the asymptotic Hecke category and unipotent character sheaves**. *Representation Theory*, accepted.

Conferences, Talks

Organizer

09/2023 **Joint Block Seminar on Category Theory**, *Trippstadt, Germany*, Role: Joint main organizer and speaker

Talks (Slides available on request)

01/2026 **Categorification UEA 2026**, *University of East Anglia, Great Britain*, **Idempotents and dimensions in the asymptotic Hecke category**

09/2025 **SFB TRR 195 Annual Meeting 2025**, *Tübingen, Germany*, **Computing in the asymptotic Hecke category**

02/2023 **IRTG Seminar Block Meeting 2023**, *Bad Münster am Stein, Germany*, **Categorifications of two-sided Kazhdan Lusztig cells using Soergel diagrammatics**

Seminars

12/2025 **UZH Seminar**, *Zurich, Switzerland*, **Computing Idempotents and Dimensions in the Asymptotic Hecke Category**

References

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