

Clover May

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Fry Building
University of Bristol
Bristol, UK

RESEARCH AREA

Algebraic Topology – Equivariant homotopy theory, $RO(G)$ -graded cohomology, structured ring spectra, parametrized cohomology, tensor triangular geometry, and representation theory.

POSTDOCTORAL EXPERIENCE

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| University of Bristol <i>Heilbronn Research Fellow</i> | Oct 2025 – present Bristol, UK |
| NTNU – Norwegian University of Science and Technology <i>Postdoctoral Fellow</i> | Aug 2021 – Aug 2025 Trondheim, Norway |
| UCLA – University of California Los Angeles <i>Assistant Adjunct Professor</i> | Jul 2018 – Jun 2021 Los Angeles, CA, USA |

EDUCATION

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| University of Oregon, Eugene, OR, USA <ul style="list-style-type: none">Ph.D. in Mathematics Thesis: <i>A structure theorem for $RO(C_2)$-graded cohomology</i> Advisor: Daniel DuggerM.S. in Mathematics | Jun 2018 Jan 2015 |
| North Carolina State University, Raleigh, NC, USA <ul style="list-style-type: none">Post Baccalaureate Certificate in Mathematics | Jun 2012 |
| University of Massachusetts, Boston, MA USA <ul style="list-style-type: none">B.A. in Mathematics, Summa cum Laude (Highest Honors)B.A. in Sociology, Summa cum Laude (Highest Honors) | May 2011 Dec 2006 |

PUBLICATIONS

A guide to equivariant parametrized cohomology,
joint with A. Beaudry, C. Lewis, S. Pauli, and E. Tatum.
Topology and its Applications, Volume 376 (2025), 109449.
DOI [10.1016/j.topol.2025.109449](https://doi.org/10.1016/j.topol.2025.109449)

Equivariant \mathbb{Z}/ℓ -modules for the cyclic group C_2 ,
joint with D. Dugger and C. Hazel.
Journal of Pure and Applied Algebra, Volume 228, Issue 3 (2024), 107473.
DOI [10.1016/j.jpaa.2023.107473](https://doi.org/10.1016/j.jpaa.2023.107473)

Genuine-commutative structure on rational equivariant K -theory for finite abelian groups, joint with A. M. Bohmann, C. Hazel, J. Ishak, and M. Kędziorek.
 Bulletin of the London Mathematical Society, Volume 54, Issue 3 (2022), 1082-1103.
[DOI 10.1112/blms.12616](https://doi.org/10.1112/blms.12616)

Naive-commutative structure on rational equivariant K -theory for abelian groups, joint with A. M. Bohmann, C. Hazel, J. Ishak, and M. Kędziorek.
 Topology and its Applications, Volume 316 (2022).
[DOI 10.1016/j.topol.2022.108100](https://doi.org/10.1016/j.topol.2022.108100)

The freeness theorem for equivariant cohomology of $\text{Rep}(C_2)$ -complexes, joint with E. Hogle.
 Topology and its Applications, Volume 285 (2020), 107413.
[DOI 10.1016/j.topol.2020.107413](https://doi.org/10.1016/j.topol.2020.107413)

A structure theorem for $RO(C_2)$ -graded Bredon cohomology.
 Algebraic & Geometric Topology 20-4 (2020), 1691–1728.
[DOI 10.2140/agt.2020.20.1691](https://doi.org/10.2140/agt.2020.20.1691)

PREPRINTS

Equivariant $H\mathbb{F}_p$ -modules are wild, joint with J.F. Grevstad.
arxiv.org/abs/2509.17604 [[math.RT](#), [math.AT](#)]

EXTENDED RESEARCH VISITS

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| Isaac Newton Institute for Mathematical Sciences <i>Equivariant homotopy theory in context</i> | Spring 2025 Cambridge, UK |
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GRANTS

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| LMS Grant Research School: Motives, equivariant topology, and tt -geometry £15,000 | Aug 2024 |
| Trond Mohn Foundation (TMS) Grant Nordic Topology Conference 230,976 NOK | Mar 2022 |
| Research Council of Norway (RCN) Independent Project: Equations in Motivic Homotopy Theory (EMOHO) participant | 2021 – 2024 |
| US Junior Oberwolfach Fellow | Aug 2019 |

AWARDS

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| UCLA Liggett Instructors Award | Jun 2021 |
| UOregon Anderson Distinguished Graduate Teaching Award | Jun 2017 |
| UOregon Paul and Harriet Civin Memorial Graduate Award | Jun 2012 |
| UMass Boston Juan Carlos Merlo Prize | Jun 2011 |

RESEARCH SUPERVISION & MENTORING

Masters Thesis Supervisor

- Chileshe Mwamba (with Drew Heard) – *NTNU, Norway* 2023 – 2024
Title: *The Balmer spectrum of the category of perfect modules over Atiyah's equivariant K-theory*

Women in Topology IV Team Leader with Agnès Beaudry

2022 – 2025

Thesis Committee Member and Examiner

- Javier Orts Romero – PhD Thesis – *IST, Portugal* Spring 2024
- Cherry Ng – PhD Thesis – *CU Boulder, USA* Spring 2022
- Sigurd Gaukstad – Masters Thesis – *NTNU, Norway* Spring 2022

SELECTED INVITED TALKS

Invited Conference and Workshop Talks

- Homotopy Structures Workshop in Barcelona – *Barcelona, Spain* Feb 2026
- 26th Scottish Topology Seminar – *Glasgow, UK* Mar 2025
- Isaac Newton Institute Programme and Workshop: Equivariant homotopy theory in context – *Cambridge, UK* Jan 2025
- French Algebraic Topology Conference – *Toulouse, France* Oct 2024
- Workshop: Betti numbers in commutative algebra and equivariant homotopy theory – *Bielefeld, Germany* Sep 2024
- Barcelona Topology Workshop – *Barcelona, Spain* Feb 2024
- 29th Nordic Congress of Mathematicians: Topology Special Session – *Aalborg, Denmark* Jul 2023
- AIM Workshop: Equivariant techniques in stable homotopy theory Session – *San Jose, CA, USA* Oct 2022
- Institut Mittag-Leffler EWM-EMS Summer School on Chromatic Homotopy Theory and Friends – *Djursholm, Sweden* Jun 2022
- BIRS Workshop on Equivariant Stable Homotopy Theory and p -adic Hodge Theory – *Banff, Canada* Mar 2020
- JMM Special Session on Categorical and Computational Methods in Homotopy Theory – *Denver, CO, USA* Jan 2020
- Vietnam–USA AMS Joint Mathematical Meeting – *Quy Nhon, Vietnam* Jun 2019
- Midwest Topology Seminar – *East Lansing, MI, USA* May 2019
- AMS Sectional: Special Session on Homotopy Theory, University of Hawaii at Manoa – *Honolulu, HI, USA* Mar 2019

Invited Seminar Talks and Minicourses

- University of Sheffield Topology Seminar – *Sheffield, UK* Feb 2025
- Instituto Superior Técnico (IST) Algebra Seminar – *Lisbon, Portugal* Feb 2024

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| • Utrecht–Nijmegen Topology Seminar – <i>Utrecht, Netherlands</i> | Nov 2023 |
| • UPenn Homotopy Theory Seminar – <i>Philadelphia, PA, USA</i> | Feb 2023 |
| • Stockholm University Topology Seminar – <i>Stockholm, Sweden</i> | Nov 2022 |
| • Vanderbilt Geometry Seminar – <i>Nashville, TN, USA</i> | Dec 2021 |
| • New Directions in Group Theory and Triangulated Categories – <i>Online</i> | Oct 2021 |
| • Warwick Algebraic Topology Seminar – <i>Warwick, UK</i> | Feb 2021 |
| • EPFL Topology Seminar – <i>Lausanne, Switzerland</i> | Dec 2020 |
| • eCHT Minicourse: Equivariant Cohomology – <i>Online</i> | Sep 2020 |
| • University of Virginia Topology Seminar – <i>Charlottesville, VA, USA</i> | Sep 2019 |
| • University of Rochester Topology Seminar – <i>Rochester, NY, USA</i> | Apr 2018 |
| • University of British Columbia Topology Seminar – <i>Vancouver, BC, Canada</i> | Mar 2018 |
| • University of Chicago Topology Seminar – <i>Chicago, IL, USA</i> | Oct 2017 |
| • Northwestern University Topology Seminar – <i>Evanston, IL, USA</i> | Oct 2017 |

TEACHING AT NTNU

Lecturer/Instructor of record for 4 courses: planned courses, presented material, administered oral exams.

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| MA3403: Algebraic Topology I (Masters) | Fall 2022, Fall 2023 |
| MA3408: Algebraic Topology II (Masters) | Spring 2023, Spring 2024 |

TEACHING AT UCLA

Lecturer/Instructor of record for 13 courses: planned courses, presented material, wrote assessments, managed graduate student TAs and undergraduate learning assistants.

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| Math 32A: Multivariable Calculus (Large lecture) | Fall 2018, Winter 2019, Spring 2021 |
| Math 32B: Multivariable Calculus (Large lecture) | Spring 2019, Fall 2019 |
| Math 33AH: Honors Linear Algebra and Applications | Winter 2021 |
| Math 115A: Linear Algebra | Winter 2019, Spring 2019 |
| Math 115B: Linear Algebra | Winter 2020 |
| Math 120A: Differential Geometry | Fall 2020, Winter 2021, Spring 2021 |
| Math 237: Graduate Topics - Spectral Sequences (PhD) | Spring 2020 |

TEACHING AT UOREGON

Lecturer/Instructor of record for 20 courses: planned courses, presented material, wrote and graded assessments.

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| Math 105: University Math I | Summer 2014 |
| Math 111: College Algebra | Fall 2012, Winter 2013, Spring 2013 |
| Math 112: Elementary Functions | Summer 2013, Winter 2014, Spring 2014, Fall 2014, Fall 2016 |
| Math 251: Calculus I | Winter 2015, Winter 2016, Fall 2017 |
| Math 252: Calculus II | Summer 2015, Fall 2015, Spring 2016 |
| Math 253: Calculus III | Summer 2017 |

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| Math 256: Differential Equations | Summer 2016, Summer 2018 |
| Math 281: Multivariable Calculus I | Winter 2018 |
| Math 282: Multivariable Calculus II | Spring 2018 |

Teaching Assistant for 3 courses: conducted recitation sections, graded exams.

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| Math 241: Calculus for Business and Social Science I | Fall 2013, Winter 2017 |
| Math 242: Calculus for Business and Social Science II | Spring 2015 |

SERVICE

- **Referee** for Advances in Mathematics, Topology and its Applications.
- **LMS Research School Organizer** 2024 – 2025
Organized research school: Motives, equivariant topology, and tt -geometry held at the University of Warwick in Coventry, UK.
- **NTNU Geometry and Topology Seminar Organizer** 2023 – 2025
- **NTNU Researchers' Night** 2023
Led high school students through activities involving Möbius bands.
- **EMOHO Postdoc Hiring Committee** 2023
- **eCHT Employment Networking Event Organizer** 2022 – 2023
Organized networking events for early career researchers in topology.
- **Nordic Topology Conference Organizer** 2022
Organized international conference held at NTNU in Trondheim, Norway.
- **UCLA Math Equity, Diversity, and Inclusion Committee** 2020 – 2021
- **UCLA Algebraic Topology Seminar Organizer** 2018 – 2021
- **QSTEM Mentor** 2018 – 2021
Mentor to queer STEM undergraduate students at UCLA.
- **UOregon Graduate Homotopy Seminar Organizer** 2017 – 2018
- **Chair AWM Speaker Series Committee** 2016 – 2017
Organizer of the AWM Distinguished Speaker Series.
- **JUMP! Mentor** 2016 – 2017
Mentor to University of Oregon undergraduate students in STEM fields.
- **Graduate Student Mentor** 2015 – 2017
Mentor to first year graduate students at University of Oregon.
- **AWM K-12 Outreach Committee** 2014 – 2017
Led minimal surfaces and soap films activity at the Science Factory.
Volunteered at Malabon Elementary Afterschool Program.
Led math activities with children at Meet a Scientist Day.
- **AWM Mentoring Committee** 2014 – 2016
Helped organize undergraduate/graduate reading program.
Mentor for undergraduate reading on Minimal Surfaces and Soap Films.
- **Curriculum Development for Math 112** 2015
Developed curriculum for trigonometry at University of Oregon.