

# Clover May

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Fry Building  
University of Bristol  
Bristol, UK

## RESEARCH AREA

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

## EDUCATION

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### **University of Oregon, Eugene, OR, USA**

- Ph.D. in Mathematics Jun 2018  
Thesis: *A structure theorem for  $RO(C_2)$ -graded cohomology*  
Advisor: Daniel Dugger
- M.S. in Mathematics Jan 2015

### **North Carolina State University, Raleigh, NC, USA**

- Post Baccalaureate Certificate in Mathematics Jun 2012

### **University of Massachusetts, Boston, MA USA**

- B.A. in Mathematics, Summa cum Laude (Highest Honors) May 2011
- B.A. in Sociology, Summa cum Laude (Highest Honors) Dec 2006

## PUBLICATIONS

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***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  $\mathbb{Z}/\ell$ -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. Kędziora.  
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. Kędziora.  
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

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

## EXTENDED RESEARCH VISITS

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**Isaac Newton Institute for Mathematical Sciences** Spring 2025  
*Equivariant homotopy theory in context* Cambridge, UK

## GRANTS

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

## AWARDS

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

## RESEARCH SUPERVISION & MENTORING

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### 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

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### 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

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

## TEACHING AT NTNU

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

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

## TEACHING AT UCLA

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

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

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

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

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.

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

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- **Referee** for Advances in Mathematics, Topology and its Applications.
- **LMS Research School Organizer** 2024 – 2025  
Organized research school: Motives, equivariant topology, and  $t\bar{t}$ -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.