

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

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

EDUCATION

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

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. 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

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

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

GRANTS

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

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

- 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

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

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

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

- **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.