

Lecture Courses:

- One semester Advanced Organic & Organometallic course (CHEM 421), Hope College
- One semester Advanced Spectroscopy course (CHEM 348), Hope College
- Two semester Organic Chemistry lecture and discussion (CHEM 221,231), Hope College
 - Implementing Peer Led Team Learning constructivist group problem solving sessions in place of traditional recitation/discussion (partial implementation 2004-10, 2015-present; full implementation 2010-2015)
 - Developed and implemented a concurrent Peer Leader training "course" (2010-2015)
- First Semester General Chemistry lecture and discussion (CHEM 125), Hope College
- Graduate TA: Substitute Organic Lecturer, Organic PLTL Workshop Leader, Honors Organic Lecture TA, UR
- Undergraduate Recitation Instructor: General Chemistry I OCHE3.4 0 Tc Tw a,ugu,rani Gen

Hope College Beckman Scholars Program: program administrator, 2018-2021; co-administrator 2021-2024
President's Advisory Committee, Hope College, 2021-2024 (elected finalist by faculty, appointed by president)
President's *ad hoc* Culture Task Force, Hope College, 2019-2020 (presidential appointment)
Hope College Status Committee, 2014-2017; 2023-2026 (elected by faculty)
(tenure/promotion, merit raises, internal grants, board & committee appts)
Hope College Appeals & Grievances Committee, 2017-2018
Founding Organizer, *Schaap Chemistry Symposium*, Hope College, Holland, MI, July 2017
(co-organizer: July 2019, ~~July 2024 - cancelled~~, July 2023, July 2025 planned)
Hope College *ad hoc* Committee on Benchmarking Faculty Compensation, 2016-2017
Hope College Strategic Planning Steering Committee, 2014-2015 (presidential appointment)
Hope College HHMI Steering Committee, 2012-2016
Hope College Equity Advisor, 2021-present (serving on 7 searches to date for 9 hires: 1 faculty member, 2 office staff, 3 administrative staff at the director and associate director level, and 3 scientific/technical staff)
Hope College Chemistry Faculty Search Committees (tenure-track searches unless noted):
2005, 2006, 2012 (chair), 2013 (chair, term position), 2015 (chair, part-time positions), 2018 (chair, term position)
Hope College SHARP online summer research application and student management software,
Development Team Faculty Coordinator: 2009-2011; Chemistry Department Liaison: 2007-2010
Chair, Hope College Extracurricular Activities Committee, 2005-2008
Hope College Health Professions Advisory Committee, 2008-2010
Hope College Committee on Admissions and Financial Aid, 2010-2011
Hope College Academic Computing Committee, 2013-2014
Hope College Mentoring Program, mentor to three junior faculty members, 2012-2016, 2019-2021
Chemistry Department Executive Committee, Hope College, 2021
Chemistry Department Schaap Funding Committee, Hope College, 2020-2021
Chemistry Department Awards Committee, Hope College, 2019-2021, 2022-present (chair 2022-present)
Chemistry Department Strategic Partnerships Committee, Hope College, 2021-2022
Chemistry Department Assessment Committee, Hope College, 2014-2018, chair 2015-2018
Hope College Chemistry Department Self-Study, Internal & External Review, co-chair, 2017-2018.
Seminar Coordinator, Hope College Chemistry Department, academic years 2007-08, 2008-09, 2014-15
Coordinator of Professional / Graduate Opportunities advising for chemistry students, 2005-2009
Advisor, Hope College Chemistry Club / ACS Student Affiliates chapter, 2005-2008
(reactivated national chapter status, won three consecutive honorable mention chapter awards)
Academic advisor: ca. 90 advisees since 2005, 4-15 (avg 10) in any given semester

ACS Committee on the Petroleum Research Fund (fka PRF Advisory Board), 2020-2022; 2023-2025.

Panel 4 Chair beginning October 2023;

Panel 4 Representative to the Planning Committee since October 2022

Board /MCID 3 9pd

Hope College PRISM “Safe Spaces” training, Hope College, November 2022

Dr. Darris Means “FirstGen Advising & Mentoring” virtual training, Hope College, February 2022

Dr. Monica Cox “Stop Playing Diversity” & “Accomplice Training” sessions, DEI Workshop Series,
Hope College, April 2021

Hope Equity Advisor Resource Training (HEART), Hope College, March 2021

Search Committee Training, Hope College, 2006, 2012, 2018, 2022

7 2

- Research Corporation, Cottrell Instrumentation Supplement, "Into the Future — Updating a GC and GC/MS Instrumentation Suite at Hope College to Extend Instrument Life and Improve Network Security", PI: J.G. Gillmore, co-PI: J.B. Johnson, \$12,000 (+ \$12,000 Hope College match), 2020-2021.
- NSF/MPS/CHE "MRI: Acquisition of a high resolution LC/MS/MS to enable undergraduate chemical and biochemical research across six disciplines in the natural and applied sciences at Hope College," PI: K.E. Dittenhafer-Reed; co-PIs: J.G. Gillmore, M.L. Smith, J.W. Peterson, K.L. Brown, 2020-2023, \$320,498.
- NSF/CISE/OAC "MRI: Acquisition of a High Performance Computing Cluster for Undergraduate Chemistry Research and Teaching by the Midwest Undergraduate Computational Chemistry Consortium (MU3C)," PI: B.P. Krueger (Hope); co-PIs: J.G. Gillmore (Hope), D. Kohen (Carleton), K.T. Kuwata (Macalester), E. Speetzen (UW Stevens Point), 2019-2022, \$400,400.
- Schaap Competitive Funding: Acquisition of an atmospheric pressure chemical ionization (APCI) source for

Invited research lectures, seminars, conference talks (32):

Purdue University (2024)

Open Science Presentations, SciencePalooza, Twitch livestream (2022)

CUR / ACS-PRF invited research and grantsmanship talk in a [webinar](#) on Writing Grant Proposals and PRF Funding Opportunities for PUIs (2020)

Oakland University (2020),