

October 28, 2022

Dear President Ward,

I am inspired by the calling of Lutheran institutions of higher education to prepare students for lives of meaning and purpose in service of the common good. In my experience as a student at Gustavus Adolphus College and as a faculty-administrator at Luther College, I have found that our institutions enact that calling in a distinctive manner. As noted by the Network of ELCA Colleges and Universities, we seek excellence informed by a tradition that couples freedom of inquiry with intellectual humility; we holistically educate mind, body, and spirit to promote the well-being of individuals so that communities may flourish; we identify oppression and seek justice to heal divisions; and we practice radical hospitality, welcoming all so that we may learn from all.¹ I would welcome the opportunity to partner with you to enact this calling as the leader within an integrated provost model at Luther College focused upon supporting and enhancing the student experience, both inside and outside of the classroom.

I have had the privilege to serve Luther College in three senior roles: Interim Dean for Institutional Planning and Mission, Vice President for Mission and Communication, and Interim Provost. Each of these roles has kept me closely connected to the curricular and co-curricular operations of the college, and each has strengthened my commitment to a liberal model of education that emphasizes the power and impact of ideas in community. Taken together with my prior faculty service as Head of the Department of Chemistry and Chair of the Academic Planning Committee, I have eight years of progressive experience as a campus leader at Luther, five of which were as a member of the senior leadership team.

Themes that have emerged from my leadership over the past five years include *diplomacy*, *stability*, *integration*, and *continuous improvement*. Each of my three senior roles emerged during times of unexpected transition at Luther College. In these roles, I stabilized and restructured administrative offices amidst staff turnover that exceeded fifty percent in some of the affected areas. I connected and integrated the work of administrative offices and academic departments and centers, both those inside and outside of my division, by developing and implementing comprehensive institutional strategies. I directly managed crises on campus, including a hate incident associated with the cafeteria and the ongoing pandemic. And I consistently obtained and used data to disrupt narratives and collaboratively drive processes of continuous improvement. Throughout, my disposition has been to lead by example, to step outside of my comfort zone, to serve as a non-anxious presence, and to honor the past while looking towards the future.

Below, I address how my commitments and experiences exhibit several of the key attributes you identified for the next Provost. I would welcome the opportunity to discuss in person additional items that I have not addressed here out of interest of space, but for which I also see alignment.

Commitment to Institutional Mission

I consider mission to be the strongest force in higher education. I see mission as both a binding force and an attractive force – forces that taken together foster alignment, clarify priorities, and enable institutions to make decisions between ostensibly competing goods, especially during times when the understanding and purpose of institutional identity may be challenged. And I view stewarding, activating, and amplifying mission as one of the greatest responsibilities of a senior academic leader.

As Interim Dean for Institutional Planning and Mission, I convened regular summits of administrative and academic centers across campus to promote collaboration, impact, and alignment with institutional mission. As Vice President for Mission and Communication, I work with Admissions, Marketing and Communications, and with Alumni and Development to give voice to mission, to help Luther's varied

stakeholders understand how its curricular and co-curricular offerings honor its Lutheran mission and values, prepare students for lives of service as courageous and ethical leaders, and speak to the realities of a disrupted enrollment marketplace. And as Interim Provost, I am working on a collaborative project with Professor Maren Johnson to prepare an edited anthology that explores how Luther's intersectional Norwegian and Lutheran identities shaped it historically and enables it to vibrantly fulfill its mission among changing student, faculty, and staff demographics.

Commitment to Shared Governance

I am passionate about shared governance (and its attendant processes), because shared governance is ultimately about building and maintaining community. In my experience, excellent institutions create structures and processes that build trust and teamwork among their various constituencies. Consequently, I endeavor to create and sustain processes that are transparent, inclusive, and equitable. I make decisions using clearly defined and communicated parameters whenever possible. And I attend to teams, seeing more in them than perhaps they see in themselves, and focusing as much on purpose (the why) as to methods and outputs (the how and the what).

As Interim Dean for Institutional Planning and Mission, I led a 17-member committee of faculty, staff, students, administrators, and regents to develop Luther College's current five-year strategic plan. As Vice President for Mission and Communication, I led a 20-member task force of faculty, staff, administrators, regents, and alumni to develop Luther College's first brand strategy. And as Interim Provost, I am working with faculty governance committees to study the faculty salary scale and address inconsistencies (and potential inequities) in faculty appointments. Each of these relational, generative exercises required trust and transparency. Each involved articulating vision and identifying strengths and priorities. And several included building and connecting coalitions, both on and off campus.

Commitment to Inclusive Excellence

We live in an increasingly polarized world whose accelerating changes challenge connections between individuals and between communities. At the same time, students are entering institutions of higher education with greater diversity, from their race, ethnicity, sexual orientation, gender identity, socioeconomic background, religious beliefs, and political affiliation, to aspects of their academic preparation and physical and mental health. Taken together, these forces and trends create a great need for colleges and universities to develop the skills, hearts, and habits of mind that students, faculty, and staff need to build meaningful relationships, work effectively across differences, and collaborate with others. During a time of growing societal skepticism about the relevance of higher education, here is a place for colleges and universities to lead – to encourage and unite rather than distort and divide. That leadership – to be a community that goes beyond one of welcome and hospitality to one marked by belonging – must begin with a clear-eyed analysis of our own institutional structures, policies, and cultures. And I am increasingly convinced that institutions that meet the moment will consider “inclusive excellence” as a core aspect of “academic excellence.”

Fostering initiatives that expand diversity, equity, and inclusion has been a consistent focus of my work over the past twenty years at Luther College. As a member of the faculty, I directed an annual, week-long summer science camp for high school students from underserved populations that provided laboratory experiences in biology, chemistry, and physics. As Interim Dean for Institutional Planning and Mission, I co-led Luther's participation in the Institute on Diversity, Civility, and the Liberal Arts sponsored by the Council of Independent Colleges. As Vice President for Mission and Communication, I serve as Luther's campus director, as well as a member of the governing board, for a 16-member consortium of institutions in Iowa, Illinois, and Nebraska funded by the National Science Foundation's Louis Stokes Alliances for Minority Participation program (NSF-LSAMP); the mission of the consortium to broaden participation in

STEM programs by providing academic, research, training, and mentoring opportunities. And as Interim Provost, I am participating in a research study led by Pacific University to review Luther's tenure and promotion policies and procedures to determine if the language and assumptions in those documents implicitly disadvantage BIPOC faculty.

Engagement with Student Success Initiatives

Vincent Tinto, Distinguished University Professor Emeritus at Syracuse University and noted scholar of student success, identified three factors that are central to student motivation that leads to persistence: self-efficacy, sense of belonging, and perceived value of the curriculum.² To support self-efficacy, institutions must provide timely supports before struggles undermine motivation.² To support a sense of belonging, institutions must attend to campus climate and ensure that students see themselves as valued members of the community.² To support perceived value of the curriculum, institutions must sustain a curriculum that is of high quality and applicable to issues that concern students.² Each factor is especially influential in the first year of study, and each requires that institutions listen to their students.

As Head of the Department of Chemistry, I co-directed the College Science Enrichment Project, a ten-day, pre-matriculation bridge program funded by the Howard Hughes Medical Institute that developed strategies and skills for first-generation college students in STEM programs. As Vice President for Mission and Communication, I worked with teams across campus to garner insights from Luther's brand research on the current student experience, especially those insights about the campus community that influence pride and sense of belonging. And as Interim Provost, I worked with the Associate Dean for Student Success to develop Luther's first integrated strategic student success plan. The multi-year plan identifies barriers to success and needed student outcome data, as well future strategies and tactics that will increase student persistence from matriculation to graduation – strategies and tactics that aim to increase self-efficacy and sense of belonging, and provide academic supports to a rigorous liberal arts curriculum.

Experience in Assessment, Accreditation, and Data-informed Decision Making

As a scientist, I consistently use data to inform assessment, planning, and decision-making. Even so, I recognize the limits of data, and I never lose sight of the fact that data represent and affect real people. Consequently, I always seek out the narratives and insights behind the data, because I believe that data informs and that stories inspire – that institutions are changed, that lives are transformed, and that communities are strengthened by inspiration rather than by information.

As Head of the Department of Chemistry, I led a successful five-year review by the American Chemical Society that resulted in re-affirmation of specialized accreditation in 2015. As Interim Dean for Institutional Planning and Mission, I led a successful comprehensive evaluation by the Higher Learning Commission that resulted in a re-affirmation of regional accreditation in 2019; as part of the evaluation, I served as Accreditation Liaison Officer and the lead author for the Assurance Argument, Evidence File, and Federal Compliance Report. As Vice President for Mission and Communication, I am working with the Office of Assessment and Institutional Research (which was relocated to my division in 2021) to collect disaggregated data on student outcomes and institutional performance, and to build dashboards that will support decision making by the President, the Board of Regents, and the senior leadership team. And as Interim Provost, I used data to revise criteria for requests for tenure-line replacements and contract conversions, and to identify market-based opportunities for new academic programs.

An Entrepreneurial Spirit

Colleges and universities across the country are struggling with enrollment and financial challenges connected to issues of access, affordability, accountability, sustainability, and differentiation. In a disrupted environment such as the one that Luther College now faces, Linda Hill, Professor of Business Administration at Harvard Business School, argues that institutions (and leaders) must be adept at both change management and innovation. Change management focuses on a guiding *vision* that charts a path to a known (or desired) destination. Innovation focuses on a guiding *purpose* that provides direction when a particular destination may be unknown or difficult to discern. I am energized by opportunities to lead both change management and innovation, and I am capable of alternating between the two as the situation warrants – setting and implementing vision on the one hand, and drawing the collective genius out of a purposeful community on the other.

As Chair of the Academic Planning Committee, I co-led the multi-year implementation of a revised general education curriculum. As Interim Dean for Institutional Planning and Mission, I was a member of the initial team that envisioned and brokered the experiential learning hub in Rochester. As Vice President for Mission and Communication, I am working to expand Luther's visibility and revenue through conferences and summer camps. And as Interim Provost, I identified and activated opportunities for new academic programs (undergraduate majors, undergraduate and graduate certificates, and master's degrees) that are aligned with market research and Luther's strengths and purpose – programs that will bring new students (both traditional and non-traditional), diversify revenue, and deepen Luther's presence in the regional growth engine in Rochester.

I am at my best when I can be both strategic and futuristic; when I can build, connect, and integrate teams; and when I can chart and clear paths – and I clearly see each of these in the opportunity to lead a nascent integrated provost model focused upon the student experience. Given my history at Luther and the opportunities I have been provided to lead cross-cutting strategic initiatives, I believe that I am uniquely positioned at this moment to provide continuity and stability, and to identify gaps and adaptations in a spirit of continuous improvement. I would welcome the opportunity for further conversation with you and members of the campus community.

Best regards,



Bradley M. Chamberlain

¹Network of ELCA Colleges and Universities. "Rooted and Open: The Common Calling of the Network of ELCA Colleges and Universities." 4 Jan. 2018, https://download.elca.org/ELCA%20Resource%20Repository/Rooted_and_Open.pdf?_ga=2.69226448.1327064039.1666917966-1676510490.1666917966

²Tinto, Vincent. "From Retention to Persistence." *Inside Higher Ed*, 26 Sep. 2016, <https://www.insidehighered.com/views/2016/09/26/how-improve-student-persistence-and-completion-essay>

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ADMINISTRATIVE APPOINTMENTS AND ACADEMIC LEADERSHIP

Interim Provost (August 2022 – present)

Luther College (Decorah, IA)

Appointed by the President

The Provost reports directly to the President, is a member of the President’s Cabinet, and serves as the chief academic and student affairs officer in an integrated provost model.

Areas of executive oversight include Academic Affairs, Student Engagement, and Student Success, with the corresponding departments and offices noted below:

- Academic Affairs: All academic departments and interdisciplinary programs, Center for Excellence in Learning and Teaching, Center for Global Learning, Center for Nordic Studies, Library, Registrar’s Office
- Student Engagement: Office of Student Engagement, Counseling Services, Health Service (Luther Clinic), Residence Life, Student Activities Office, Wellness
- Student Success: Center for Academic Enrichment, Disability Services, TRIO Student Support Services

Key responsibilities:

- Provide executive leadership to faculty and staff (including seven direct reports) in academic programs, administrative offices, and centers that enact the educational mission of the college, both inside and outside of the classroom.
- Develop and implement institutional strategies and budgets that support and enrich the student curricular and co-curricular experience.
- Monitor the institutional array of academic programs and student services for alignment with best practices and market demand.
- Oversee internal and external assessments of academic programs and administrative services in academic and student affairs.
- Facilitate and supervise the hiring of faculty.
- Serve as a representative of the administration to committees of the Board of Regents. Current committee assignments include Academic Affairs and Campus Life.

Key accomplishment:

- Developed an integrated strategic student success plan, the first of its kind for the institution.

Vice President for Mission and Communication (September 2019 – present)

Luther College (Decorah, IA)

Appointed by the President

The Vice President for Mission and Communication reports directly to the President, is a member of the President’s Cabinet, and serves as the chief communications and accreditation officer.

Areas of oversight include Accreditation, Campus Programming, the Center for Ethics and Public Engagement, the Center for Sustainable Communities, College Ministries, Institutional Research, Marketing and Communications, and Strategic Planning.

Key responsibilities:

- Provide executive leadership to staff and faculty (including six direct reports) in administrative offices and academic centers that build community, express mission, and substantiate educational outcomes to internal and external stakeholders.
- Develop and implement institutional communications, marketing, and brand management strategies.
- Monitor and report progress on all goal areas and initiatives within the institutional strategic plan.
- Maintain the institution's regional accreditation status with the Higher Learning Commission. As the Accreditation Liaison Officer, coordinate and approve the annual Institutional Update, maintain the Evidence File for the core components associated with the criteria for accreditation, and serve as the lead author for the Assurance Argument and Federal Compliance Report as part of assurance reviews and comprehensive evaluations.
- Serve as a representative of the administration to committees of the Board of Regents. Current committee assignments include Academic Affairs, Communications and Marketing, and Finances and Enrollment.
- Convene regular summits of administrative and academic centers across campus to promote collaboration, impact, and alignment with the institutional mission. Current participants include representatives from Campus Programming, the Center for Ethics and Public Engagement, the Center for Excellence in Learning and Teaching, the Center for Intercultural Engagement and Support, the Center for Nordic Studies, the Center for Sustainable Communities, and College Ministries.
- Identify and develop revenue opportunities through programming connected to the performing arts, summer music and sports camps, and conferences.

Key accomplishments:

- Led the development and implementation of the institution's first integrated brand strategy, which was based upon four market-based research studies (reputational analyses by prospective students and parents, an analysis of the current student experience, an analysis of the admissions experience for matriculants and non-matriculants, and a price-sensitivity analysis). Implementation elements included the development of brand elements (*e.g.*, position, pillars, and personality), metrics, and goals; a refreshed visual identity system with supporting creative campaign; a social media strategy; a messaging toolkit with key messages for segmented audiences; and a new luther.edu website, which included a full redesign and migration to a new content management system.
- Developed a strategic internal communications plan, the first of its kind for the institution.
- Led the COVID Response Team. Developed a set of indicators and alert levels that provided a phased, flexible, and adaptive approach for all curricular and co-curricular operations during the 2020-21 and 2021-22 academic years. Devised a revised, module-based academic calendar for the 2020-21 academic year that moved the college from a 4-1-4 to a 1-2-2-4 calendar.
- Stabilized the Marketing and Communications department during a time of transition that included turnover of 50% of the department staff, including the Vice President for Marketing and Communications. Hired ten new staff members and reframed the department from a fulfillment center to a strategy center responsible for the stewardship of the institutional brand strategy.
- Restructured College Ministries to promote new partnerships with academic and administrative departments, as well with local congregations in Decorah, IA.

Interim Dean for Institutional Planning and Mission (December 2017 – August 2019)

Luther College (Decorah, IA)

Appointed by the President

Areas of oversight include Accreditation, Campus Programming, the Center for Ethics and Public Engagement, the Center for Sustainable Communities, College Ministries, and Strategic Planning.

Key responsibilities:

- Provide executive leadership to staff and faculty (including four direct reports) in administrative offices and academic centers that build community and express mission to internal and external stakeholders.
- Monitor and report progress on all goal areas and initiatives within the institutional strategic plan.
- Maintain the institution's regional accreditation status with the Higher Learning Commission. As the Accreditation Liaison Officer, coordinate and approve the annual Institutional Update, maintain the Evidence File for the core components associated with the criteria for accreditation, and serve as the lead author for the Assurance Argument and Federal Compliance Report as part of assurance reviews and comprehensive evaluations.
- Lead cross-cutting strategic initiatives connected to institutional mission and planning.

Key accomplishments:

- Led a successful comprehensive evaluation by the Higher Learning Commission that resulted in a re-affirmation of accreditation in 2019, with all criteria and core components determined as met without need for interim monitoring. Led the institutional writing team and served as the lead author for the Assurance Argument, Evidence File, and Federal Compliance Report.
- Facilitated a strategic planning process in collaboration with an agency partner that produced Luther's 2018-2023 strategic plan. Co-led Luther's strategic planning committee that engaged internal and external stakeholders and articulated goals, objectives, and activities. Served as one of two authors of the supporting narrative and vision statement. Monitored and reported progress on all goal areas and strategic initiatives.

Department Head, Chemistry (2014 – 2017)

Luther College (Decorah, IA)

Appointed by the Vice President for Academic Affairs

Key responsibilities:

- Manage course offerings, staffing plans, performance evaluations, budgets, and the maintenance of scientific instrumentation.
- Prepare annual assessment and accreditation reports (internal and external) for a chemistry department certified by the American Chemical Society.

Key accomplishments:

- Led a modification of the program curriculum that introduced a degree track with a biochemistry emphasis, and that restructured courses and program requirements in order to provide improved alignment with the requirements established by the Committee on Professional Training of the American Chemical Society.
- Led a successful five-year accreditation review by the American Chemical Society that resulted in re-affirmation of accreditation without concerns.
- Created an endowed fund in collaboration with the Director of Development to support summer student research within the Chemistry Department. Connected with all living chemistry alumni and raised \$284,00 in realized pledges that currently fund three summer research students annually.

Chair, Academic Planning Committee (2014 – 2016, 2006 – 2008)

Luther College (Decorah, IA)

Elected to the committee by the faculty; appointed as chair by the committee

Key responsibilities:

- Lead a 13-member shared-governance committee charged with oversight of the curriculum, as well as other concerns that affect the academic program of the college.
- Manage recommendations and proposals to the faculty regarding new and modified courses, academic programs, and academic policies.

Key accomplishments:

- Facilitated the implementation of a revised general education curriculum, in collaboration with the Vice President for Academic Affairs and the Registrar.
- Brokered the creation of new interdisciplinary majors in Data Science, Environmental Studies, Neuroscience, and Russian Studies.
- Authored policies regarding expectations and evaluations of academic advisors.

Co-Director, College Science Enrichment Project (2013 – 2017)

Luther College (Decorah, IA)

Appointed by the Steering Committee, Luther College Science Research and Education Program

Key responsibility:

- Coordinate and lead an annual, ten-day pre-matriculation immersion program aimed at developing strategies and skills for success in introductory STEM courses. The College Science Enrichment Project was an initiative within Luther College's Science Research and Education program. The Science Research and Education Program was a five-year initiative that aimed to improve retention in STEM disciplines, with financial support provided by a \$1.6M award from the Howard Hughes Medical Institute.

Key program accomplishment:

- Provided an active-learning, immersion experience to 115 students. Participation grew from 15 students in Year 1 to 33 students in Year 5.

Campus Director, Louis Stokes Alliance for Minority Participation Program (2011 – present)

Luther College (Decorah, IA)

Appointed by the Vice President for Academic Affairs

Key responsibilities:

- Provide direction and oversight of campus initiatives as part of a 16-institution consortium in Iowa, Illinois, and Nebraska focused upon broadening the participation of underserved populations in STEM education through academic, research, training, and mentoring opportunities. The consortium is funded by the Louis Stokes Alliance for Minority Participation program of the National Science Foundation.
- Serve as a mentor to summer undergraduate research students in chemistry, biology, and psychology.
- Provide training to faculty research mentors.
- Coordinate the collection and reporting of institutional data to the consortium office.

Key program accomplishment:

- 56% of student participants from Luther College obtained admission to graduate and professional programs following graduation, including those in medicine, biomedical engineering, nursing, and counseling.

Interim Director of Advising (2011 – 2012)

Luther College (Decorah, IA)

Appointed by the Vice President for Academic Affairs

Key responsibilities:

- Develop and implement annual training workshops for academic advisors.
- Develop and implemented policies and practices pertaining to academic advising, especially those related to first-year advising initiatives.
- Coordinate summer registration sessions for incoming, first-year students, in collaboration with the Registrar.
- Provide recommendations to the faculty committee on student academic standing regarding appeals to denials of admission and academic dismissals.

Key accomplishments:

- Revised summer training workshops for new academic advisors.
- Created training workshops for experienced academic advisors.

Faculty Director, Summer Seminars Program (2009 – 2019)

Luther College (Decorah, IA)

Appointed by the Vice President for Academic Affairs

Key responsibility:

- Coordinate the academic curriculum and faculty mentors for an annual, week-long summer camp for high school students from underserved populations, in collaboration with Luther College's Center for Intercultural Engagement and Student. Program elements include laboratory experiences in biology, chemistry, and physics, as well as classroom experiences in the humanities and social sciences.

Member, Steering Committee, Sense of Vocation Program (2005 – 2009)

Luther College (Decorah, IA)

Appointed by the Vice President for Academic Affairs

Key responsibility:

- Provide direction and oversight to campus initiatives focused on incorporating concepts of vocation into curricular and co-curricular programs. The Sense of Vocation program was supported by a \$2.5M award from the Lilly Endowment's *Programs for the Theological Exploration for Vocation*.

ACADEMIC APPOINTMENTS

Professor of Chemistry (2014 – present)

Luther College (Decorah, IA)

Associate Professor of Chemistry (2007 – 2014)

Luther College (Decorah, IA)

Assistant Professor of Chemistry (2002 – 2007)
Luther College (Decorah, IA)

Visiting Assistant Professor of Chemistry (2001 – 2002)
Luther College (Decorah, IA)

Postdoctoral Research Associate (2000 – 2001)
Department of Chemistry and Chemical Biology
Cornell University (Ithaca, NY)

EDUCATION

Ph.D., Chemistry
University of Minnesota (Minneapolis, MN)

B.A., Chemistry
Gustavus Adolphus College (Saint Peter, MN)
Honors: *magna cum laude*, Phi Beta Kappa, and certification by the American Chemical Society

Professional Certificate, Fund Raising Management
Indiana University Lilly Family School of Philanthropy (Indianapolis, IN)
Coursework: *Principles and Techniques of Fundraising, Developing Annual Sustainability, Developing Major Gifts, Managing the Capital Campaign*

PROFESSIONAL DEVELOPMENT, FELLOWSHIPS, AND HONORS

Workshop on Designing Initiatives for Student Success (2022)
Higher Learning Commission
Participant (leader of four-member institutional team)

Workshop on Implicit Racial Bias in the Academy (2022)
Lilly Fellows Program
Participant

Workshop on Translating Equity-Minded Principles into Evaluation Reform (2022)
American Council on Education
Participant

IPEDS Keyholder Essentials (2022)
Association for Institutional Research
Student in Online Course

Institute in Communications and Marketing (2021)
Council for the Advancement and Support of Education
Participant

Workshop on Mapping Institutional Mission (2021)
Lilly Fellows Program
Participant

Institute on Diversity, Civility, and the Liberal Arts (2019)
Council of Independent Colleges
Participant (co-leader of four-member institutional team)

STEM Leadership Institute

Association of American Colleges and Universities

Project Kaleidoscope

Mentor: 2021, 2019, 2018, 2017, and 2016

Participant: 2015

Fellow, LECNA Fellows Program (2017 – 2018)

Lutheran Educational Conference of North America

Formerly known as the Thrivent Fellows Program, the LECNA Fellows program is a twelve-month, cohort-based seminar that develops leaders in institutions affiliated with the Evangelical Lutheran Church in America and the Lutheran Church-Missouri Synod through retreats, webinars, an action-learning project, and executive coaching sessions.

Workshop on Development for Deans and Academic Leaders (2017)

Council for the Advancement and Support of Education

Participant

Faculty Fellow, Development Office (2017)

Luther College

During a sabbatical leave, I studied aspects of development and alumni operations at Luther College under the mentorship of the Vice President for Development, the Director of Development, the Executive Director of Alumni Relations, and the Director of Annual Giving. Particular emphases included campaign feasibility studies, social media initiatives in support of the annual fund, institutional naming policies, and planned giving. As part of the fellowship, I led alumni listening posts in Des Moines, Minneapolis, and Decorah; facilitated a retreat designed to identify and engage candidates for the Board of Regents; and created a liaison program between the Development Office and academic departments and divisions.

Workshop for Department and Division Chairs (2014)

Council of Independent Colleges

Participant

Research Associate Professor (2010)

University of Minnesota (Minneapolis, MN)

Department of Chemistry

Semester-long sabbatical appointment

Sponsor: Marc A. Hillmyer

Janet Anderson Lecture Award (2013)

Midstates Consortium for Science and Math

Izaak M. Kolthoff Graduate School Fellow (1994 – 1995)

University of Minnesota (Minneapolis, MN)

PUBLICATIONS

PRINT MEDIA

Pitet, L. M., Chamberlain, B. M., Hauser, A. W., Hillmyer, M. A. (2019). Dispersity and Architecture Driven Self-assembly and Confined Crystallization of Symmetric Branched Block Copolymers. *Polymer Chemistry*, 10, 5385-5395. DOI: 10.1039/C9PY01173K

Chamberlain, B. M., Rhodes, B. (2016). Identity and the Academy: Embracing Change. *Agora*, 28(2), 22-30. https://www2.luther.edu/paideia/agora/?issue_id=704523

Aubrecht, K. A., Chamberlain, B. M. (2015). Sustainable Polymers: Report from the Royal Society of Chemistry/American Chemical Society Workshop on Sustainable Polymers (May 2013). *American Chemical Society, Division of Polymer Chemistry*.
<http://www.polyacs.org/1040.html#POLYWorkshopReports>

Pitet, L. M., Chamberlain, B. M., Hauser, A. W., Hillmyer, M. A. (2010). Synthesis of Linear, H-Shaped, and Arachnearm Block Copolymers By Tandem Ring-Opening Polymerizations. *Macromolecules*, *43*, 8018-8025. DOI: 10.1021/ma1014325

Cheng, M., Moore, D. R., Reczek, J. J., Chamberlain, B. M., Lobkovsky, E. B., Coates, G. W. (2001). "Single-Site β -Diiminate Zinc Catalysts for the Alternating Copolymerization of CO₂ and Epoxides: Catalyst Synthesis and Unprecedented Polymerization Activity." *Journal of the American Chemical Society*, *123*, 8738-8749. DOI: 10.1021/ja003850n

Chamberlain, B. M., Cheng, M., Moore, D. R., Ovitt, T. M., Lobkovsky, E. B., Coates, G. W. (2001). Polymerization of Lactide with Zinc and Magnesium β -Diiminate Complexes: Stereocontrol and Mechanism. *Journal of the American Chemical Society*, *123*, 3229-3238. DOI: 10.1021/ja003851f

Chamberlain, B. M., Jazdzewski, B. A., Pink, M., Hillmyer, M. A., Tolman, W. B. (2000). Controlled Polymerization of *D,L*-Lactide and ϵ -Caprolactone by Structurally Well-Defined Alkoxo-Bridged Di- and Triyttrium(III) Complexes. *Macromolecules*, *33*, 3970-3977. DOI: 10.1021/ma0000834

Hillmyer, M. A., Tolman, W. B., Chamberlain, B. M., Aubrecht, K. B. (2000). Discrete Yttrium Catalysts for the Polymerization of Cyclic Esters. *Polymer Preprints*, *41*, 426.

Chamberlain, B. M., Sun, Y., Hagadorn, J. R., Hemmesch, E. W., Young, V. G., Jr., Pink, M., Hillmyer, M. A., Tolman, W. B. (1999). Discrete Yttrium(III) Complexes as Lactide Polymerization Catalysts. *Macromolecules*, *32*, 2400-2402. DOI: 10.1021/ma990005k

Keyes, M. C., Chamberlain, B. M., Caltagirone, S. A., Halfen, J. A., Tolman, W. B. (1998). A New Set of Structurally Enantiopure Polypyrazolyl Ligands of Varying Rotational Symmetry: Synthesis, Metal Complexation, and Comparison of Asymmetric Induction. *Organometallics*, *17*, 1984-1992. DOI: 10.1021/om9801047

DIGITAL MEDIA

The following were published under contract with W. W. Norton & Company for the website *Teach the Mechanism: Teaching a Mechanistically Organized Organic Chemistry Course* (<http://www.teachthemechanism.com/>)

Chamberlain, B. M. (2013, May 28). Demystifying Enolate Chemistry [Web log post]. Retrieved from <http://teachthemechanism.com/2013/05/28/demystifying-enolate-chemistry/>

Chamberlain, B. M. (2013, April 2). Reasoning by Analogy [Web log post]. Retrieved from <http://teachthemechanism.com/2013/04/02/reasoning-by-analogy/>

Chamberlain, B. M. (2013, March 5). It's Elementary: First Steps to Active Learning [Web log post]. Retrieved from <http://teachthemechanism.com/2013/03/05/its-elementary-first-steps-to-active-learning/>

Chamberlain, B. M. (2012, December 5). R,S Nomenclature: Help or Hindrance in Teaching Configurational Isomerism [Web log post]. Retrieved from <http://teachthemechanism.com/2012/12/04/rs-nomenclature-help-or-hindrance-in-teaching-configurational-isomerism/>

PATENTS

Coates, G. W., Cheng, M., Chamberlain, B.M. (2001, November 13). Synthesis of Stereospecific and Atactic Poly(lactic acid)s. US 6316590 B1.

INVITED SEMINARS AND LECTURES

Chamberlain, B. M. (2017, March 10). *Satan's Resin? Redeeming Plastic in a Disposal Age*. Departmental Seminar, Department of Chemistry, University of Dubuque, Dubuque, IA.

Chamberlain, B. M., Rhodes, B. (2016, February 16). *Identity and the Academy: Embracing Change*. Plenary Lecture, Paideia Text & Issues Lecture Series, Luther College, Decorah, IA.

Chamberlain, B. M. (2013, October 6). *Satan's Resin? Redeeming Plastic in a Disposal Age*. Award Address, 2013 Undergraduate Research Symposium in the Physical Sciences, Mathematics, and Computer Science (sponsored by the Midstates Consortium for Math and Science), University of Chicago, Chicago, IL.

Chamberlain, B. M. (2009, April 28). *Catalysts for the Production of Biodegradable Polymers: Across the Transition Metals and Back*. Departmental Seminar, Department of Medicinal and Natural Products Chemistry, University of Iowa, Iowa City, IA.

LUTHER COLLEGE WORSHIP SERVICES

Sunday Evening Worship (2022, October 9)
Romans 8:14-17

Sunday Evening Worship (2019, November 24)
John 11:17-47

Weekday Chapel (2019, November 15)
Exodus 14:19-29

Weekday Chapel (2018, February 26)
Luke 4:16-19

Sunday Evening Worship (2016, April 7)
Hebrews 9:11-15

Weekday Chapel (2015, April 13)
Romans 8:12-17

Weekday Chapel (2013, September 30)
John 1:43-51

SELECTED CONFERENCE PRESENTATIONS

33 poster and oral presentations at international, national, and regional colloquia, including those of the American Chemical Society, the Royal Society of Chemistry, the American Anthropological Association, the National Conference of Undergraduate Research, and the Midstates Consortium for Math and

Science. 28 of the presentations included undergraduate co-authors. Representative presentations shown below, with undergraduate students indicated by an asterisk (*). Full list available upon request.

*Benson, B., Chamberlain, B. M. (2017, April). Controlled Polymerization of D,L-Lactide with Titanium(IV) Tartrates. Poster presented at the 253rd National Meeting of the American Chemical Society, San Francisco, CA.

*Benthin, G., *Keeton, J., Chamberlain, B. M. (2017, April). Synthesis of Sulfonamide Alcohol Ligands for Use as Organocatalysts in Ring-Opening Polymerization Reactions. Poster presented at the 2017 National Conference for Undergraduate Research, Memphis, TN.

Chamberlain, B. M. (2015, May). Optically Active Titanium Alkoxides as Lactide Polymerization Catalysts. Paper presented at the 2015 Joint Great Lakes Central Regional Meeting of the American Chemical Society, Grand Rapids, MI.

*Prichett, I., *Seitzinger, C., *Hemstad, C., Chamberlain, B. M. (2015, November). Synthesis and Polymerization of Lactone Monomers Derived from Fatty Acids. Poster presented at the 2015 Undergraduate Research Symposium in the Physical Sciences, Mathematics, and Computer Science (sponsored by the Midstates Consortium for Math and Science), Chicago, IL.

Chamberlain, B. M., *Vuksanovic, N., *Grado, L. L., Johnson, A. R. (2013, May). Titanium Complexes Bearing Optically Active Amidoalkoxides as Lactide Polymerization Catalysts. Poster presented at the Workshop on Sustainable Polymers (co-sponsored by the American Chemical Society and the Royal Society of Chemistry), Safety Harbor, FL.

*Hodapp, R. M., *Whiteley, G. H., Stanley, L. A., Chamberlain, B. M. (2012, November). Maasai Medicinal Plants: Preserving and Applying Traditional Knowledge in Northern Tanzania. Poster presented at the 111th Annual Meeting of the American Anthropological Association, San Francisco, CA

*Schiefelbein-Egan, J., *Sinnwell, M., Chamberlain, B. M. (2011, May). Plant-Based Plastics: Polyguanadines from Soybean and Corn Oil. Poster presented at the R. J. McElroy Faculty-Student Research Symposium, Wartburg College, Waverly, IA.

Chamberlain, B. M., Pitet, L. M., Hillmyer, M. A. (2010, June). Functionalized Chain-Transfer Agents for Ring-Opening and Ring-Opening Metathesis Polymerization. Poster presented at the 2010 Annual Meeting of the Industrial Partnership for Research in Interfacial and Materials Engineering, University of Minnesota, Minneapolis, MN.

SELECTED GRANTS RECEIVED

Over \$800,000 in total awards. External funding agencies include the National Science Foundation, the Council of Independent Colleges, the Roy J. Carver Charitable Trust, the R. J. McElroy Trust, and three state governmental agencies (Iowa Office of Economic Development, Iowa Office of Energy Independence, and Iowa Energy Center).

EXTERNAL AWARDS

16 awards totaling approximately \$660,000. Representative awards shown below. Full list available upon request.

Reframing the Norwegian and Lutheran Saga of Luther College
Council of Independent Colleges
Network for Vocation in Undergraduate Education
February 2022 – February 2024
Project Leaders: Maren Anderson Johnson and Bradley M. Chamberlain
\$39,978

The Design of Chiral Catalysts for Lactone Polymerization
Iowa College Foundation: R.J. McElroy Trust
May 2013 – May 2014
Principal Investigator: Bradley M. Chamberlain
\$2,000

Transforming Teaching and Research in the Chemical Sciences at Luther College through the Acquisition of a 300 MHz Nuclear Magnetic Resonance Spectrometer
Roy J. Carver Charitable Trust
January 2011 – September 2013
Principal Investigator: Bradley M. Chamberlain
\$169,000

A New Class of Plant-Based Plastics Derived from Soybean and Corn Oil
Iowa Office of Economic Development: Grow Iowa Values Fund
January 2009 – June 2010
Principal Investigator: Bradley M. Chamberlain
\$100,000

Development of New Photosensitizers for Dye-Sensitized Solar Cells
Iowa Office of Energy Independence: Iowa Power Fund
November 2008 – August 2009
Principal Investigators: Bradley M. Chamberlain, R. Martin Chin (University of Northern Iowa), and Jeffrey Elbert (University of Northern Iowa)
\$78,681

Development of Novel Polyesters, Poly(ester amides) and Polyolefins Derived from Renewable Resources
Iowa Energy Center
July 2004 – June 2005
Principal Investigator: Bradley M. Chamberlain
\$33,600

Acquisition of a Gel-Permeation Chromatograph and ReactIR for Polymerization Studies at Luther College
National Science Foundation: Major Research Instrumentation Program
September 2003 – September 2005
Principal Investigator: Bradley M. Chamberlain
\$109,204

INTERNAL AWARDS

35 awards totaling approximately \$174,000. Representative awards shown below. Full list available upon request.

The Development of Optically Active Sulfonamide Catalysts for Lactone Polymerization
Luther College: NSF-LSAMP IINSPIRE Alliance
June 2017 – July 2017
Principal Investigator: Bradley M. Chamberlain
\$6,000

The Development of Optically Active Sulfonamide Catalysts for Lactone Polymerization
Luther College: Howard Hughes Medical Institute
June 2017 – August 2017
Principal Investigator: Bradley M. Chamberlain
\$18,500

The Development of Optically Active Titanium Lactide Polymerization Catalysts
Office of the Dean, Luther College: Senior Honors Project
September 2016 – May 2017
Principal Investigator: Bradley M. Chamberlain
\$400

Maasai Medicine Project: Phase III
Office of the Dean, Luther College: Summer Student-Faculty Collaborative Research Projects
June 2012 – July 2012
Principal Investigators: Lori A. Stanley (Anthropology) and Bradley M. Chamberlain (Chemistry)
\$3,750

Supplemental Faculty Sabbatical Award
Office of the Dean, Luther College
January 2010 – July 2010
\$2,500

Polymerization of D,L-Lactide with Titanium (IV)-Binolates
Office of the Dean, Luther College: H. George and Jutta F. Anderson Faculty Development Fund
June 2006 – July 2006
\$2,000

MENTORED UNDERGRADUATE RESEARCH

62 students, including one Rhodes Scholar, one Goldwater Scholar, and eleven Senior Honors Projects

- 75% of students entered graduate or professional programs upon graduation
- 22 students entered graduate programs (PhD, MS, MPhil, MSN)
- 21 students entered professional programs (MD, MD/PhD, PharmD, DDS, DPT)

PROFESSIONAL REVIEW SERVICES

JOURNALS

Macromolecules (American Chemical Society)

Biomacromolecules (American Chemical Society)

Journal of Chemical Education (American Chemical Society)

Journal of Polymer Science, Part A: Polymer Chemistry (Wiley)

Polymer Bulletin (Elsevier)

Journal of Polymers and the Environment (Springer)

GRANT PROPOSALS

National Science Foundation

Petroleum Research Fund (American Chemical Society)

Research Corporation for Science Advancement

TEXTBOOKS

Organic Chemistry, 1st Edition by Joel Karty (W. W. Norton & Company)

Investigating Chemistry: A Forensic Science Perspective, 2nd Edition by Matthew E. Johl (W. H. Freeman)

Organic Chemistry, 10th Edition by T. W. Graham Solomons and Craig B. Fryhle (John Wiley & Sons)

Organic Chemistry, 1st Edition by David Klein (John Wiley & Sons)