Curriculum Vitae

Lique Martina Coolen, PhD, MBA

Education

- MBA, Executive MBA (AACSB-accredited), Ambassador Crawford College of Business and Entrepreneurship, Kent State University (completed March 2023)
- Ph.D. Neuroscience, University of Nijmegen, The Netherlands (completed December 1995)
- B.Sc and M.Sc. Psychology, University of Utrecht, The Netherlands (completed May 1991)

Academic Appointments

New Mexico Institute of Mining and Technology (New Mexico Tech; January 2025-present)
- Provost, Vice President for Academic Affairs (August 2025-present)
- Vice President for Research (January 2025-present)
- Professor in Biology (Biology department) and Psychology (CLASS department; January 2025-present)
- Adjunct Professor, Department of Biological Sciences, Kent State University (January 2025-present)

Kent State University, Kent, OH (January 2019-January 2025)
- Assistant to Provost for Special Projects, Office of Provost, Division of Academic Affairs (October 2022-January 2025)
- Interim Co-Director, School of Biomedical Sciences (July 2021-June 2022)
- Associate Dean for Graduate and Postdoctoral Affairs, College of Arts and Sciences (August 2020-September 2022)
- Associate Dean for Research and Faculty Development, College of Arts and Sciences (January 2019-September 2022)
- Professor, Department of Biological Sciences (January 2019- January 2025)
- Adjunct Professor of Anatomy and Neurobiology, Northeast Ohio Medical University, Rootstown, OH (January 2020- January 2025)
- Adjunct Professor, Department of Physiology & Biophysics, University of Mississippi Medical Center (January 2019-January 2024)

University of Mississippi Medical Center, Jackson, MS (July 2012- January 2019)
- Director of Faculty Research Development, Office of Research and Sponsored Programs, University of Mississippi Medical Center (August 2017-January 2019)
- Associate Dean of Postdoctoral and Graduate Studies, School of Graduate Studies in the Health Sciences, University of Mississippi Medical Center (July 2012- January 2019)
- Professor, Department of Physiology & Biophysics and Department of Neurobiology & Anatomical Sciences, University of Mississippi Medical Center (July 2012- January 2019)

University of Michigan, Ann Arbor, MI (December 2010 – June 2012)
- Interim Director and Associate Director Graduate Program in Neuroscience, University of Michigan (December 2010-June 2012)
- Professor, Department of Molecular & Integrative Physiology, University of Michigan Medical School (December 2010-June 2012)

- Professor, Department of Psychology, University of Michigan College of Literature, Science, and the Arts (December 2010-June 2012)
- Professor (cross-appointed), Department of Obstetrics & Gynecology, and Research Scientist, Reproductive Science Program, University of Michigan Medical School (December 2010-June 2012)
- Research Scientist, Reproductive Sciences Program, University of Michigan Medical School (December 2010-June 2012)

University of Western Ontario, London, Canada (December 2005 – November 2010)

- Professor, Department of Physiology & Pharmacology and Department of Anatomy & Cell Biology, Schulich School of Medicine & Dentistry, University of Western Ontario (July 2008-December 2010)
- Canada Research Chair (Tier 2) in Neurobiology of Motivation and Reward, Schulich School of Medicine & Dentistry, University of Western Ontario (February 2005-December 2010)
- Associate Professor, Department of Physiology & Pharmacology and Department of Anatomy & Cell Biology, Schulich School of Medicine & Dentistry, University of Western Ontario (December 2005-June 2008)

University of Cincinnati, Cincinnati, OH (September 1998 – November 2005)

- Associate Professor (tenured), Department of Cell Biology, Neurobiology and Anatomy, University of Cincinnati College of Medicine (September 2003-November 2005)
- Assistant Professor (tenure-track), Department of Cell Biology, Neurobiology and Anatomy, University of Cincinnati College of Medicine (January 2000-September 2003)
- Adjunct Assistant Professor, Department of Cell Biology, Neurobiology and Anatomy, University of Cincinnati College of Medicine (September1998-December 1999)

Postdoctoral Positions (June 1995-July 1998)

- Postdoctoral fellow, Department of Anatomy and Neurobiology, University of Maryland, Baltimore School of Medicine, Advisor: Dr. M.T. Shipley. (July 1996-July 1998)
- Postdoctoral fellow, Department of Obstetrics and Gynecology, Yale University School of Medicine, Advisor: Dr. R.I. Wood. (June 1995-June 1996)

Leadership Vision

I am an inclusive, collaborative, and innovative academic leader and a creative and strategic forward thinker, with more than 15 years of administrative and leadership experience in research administration, academic affairs, and student affairs. I have held leadership positions at large comprehensive research-intensive academic institutions and at public STEM- and health-specialized institutions. I apply my personal strengths as a team and community builder to my passion of supporting student, trainee, and faculty success and wellness, building vibrant and inclusive culture for applied lifelong learning and scientific discovery. Throughout my career, it has been my passion to teach, mentor, champion, and inspire scholars and scientists and support their research, creative activities, education, and career development. I serve as a champion for workforce and economic development, advocate for humanities and liberal arts, and am a strong supporter of STEM and health-related disciplines.

University Leadership Roles

New Mexico Tech

- Provost, Vice President for Academic Affairs

Reporting to President (August 2025-present)
Leadership and direct oversight of academic affairs across the university.

- Provide leadership to Deans of the College of Arts and Sciences, College of Engineering, and Center of Graduate Studies, Chairs of 14 departments and Directors of 4 programs, Directors of library, academic classroom technology, stem education center, performing arts, community education, and K-12 outreach programs, serving approximately 140 full-time tenure track and teaching faculty and 1400 undergraduate and graduate students.
- Support shared governance by chairing Council of Chairs and Council of Deans and working with Faculty Senate for curriculum development and innovation, forming inter-disciplinary programs to meet workforce needs, enhancing student success and faculty career development, and policy making.
- Oversight of faculty hiring, tenure and promotion.
- Co-leading student recruitment and success efforts by building strong bridges with Student Affairs division and shared oversight of Directors of Admissions, Financial Aid, Registrar, and Student Success units (dotted reporting lines).
- Supporting graduate education and securing R2 Carnegie designation by increasing PhD degree conferrals (criteria met in 2026; designation expected in 2028).
- Facilitate strategic planning and provide fiscal and budgetary oversight.

- Vice President for Research

Reporting to President (January 2025-present)
Leadership and direct oversight of the campus research enterprise, including policy making, research support, compliance, technology development and commercialization, and economic development. Current awards from federal, state and industry sponsors total $330M (285 active awards), with average annual research expenditures of $95M.

- Develop and expand research enterprise by identifying new research partnerships with industry, government and external partners, and promote large-scale multidisciplinary initiatives sponsored by federal and state funding agencies.
- Promote the highest standards of research excellence, compliance and safety.
- Build a culture that fosters innovation, collaboration, improvement and growth of the research enterprise.
- Provide leadership and executive management for all research entities, including 11 research centers and institutes, ensuring fiscal stewardship and professional development.

- Provide advocacy and budgetary oversight for recurring and non-recurring state and federal appropriations.
- Supporting researchers by creating a new office for Sponsored Projects Development and AI-readiness in research and education by creating the Raul Deju Institute for Artificial Intelligence and introducing new processes and initiatives to support innovation, intellectual property protection, and commercialization of technology.
- Communicate the possibilities created by New Mexico Tech research and entrepreneurship to general public and decision makers, representing the university with government entities, federal funders, industry partners and external organizations.

Kent State University:

- Assistant to Provost for Special Projects, Office of the Provost, Division of Academic Affairs

Reporting to Provost and Senior Vice President, Division of Academic Affairs (October 2022-January 2025):

Developed and directed programs with focus on undergraduate and graduate student success, recruitment and access to higher education, workforce development, and postdoctoral scholar support.

1. *Student recruitment, success and workforce development*: Served as the Program Lead of Scholarship and Workforce Development programs. Kent State's Choose Ohio First Scholarship Program, a state-supported program, provides scholarship support for workforce development to Ohio residents who wish to pursue degrees in science, technology, engineering, mathematics, or medicine- and health-related fields (STEMM). Great Minds Fellowships Program, a state-supported program, provides scholarship support for students in certificate, undergraduate, and graduate majors in Mental Health counseling and support.
    - Secured >$9M in funding over 5 consecutive years, provided fiscal and budgetary oversight.
    - Provided scholarships, intentional internship, experiential learning, and career exploration programs to students from time of enrollment to completion (100-150 new students per year) in 67 undergraduate and 21 graduate STEMM majors in 5 colleges and 8 campuses.
    - Worked closely with College Deans and Academic Leaders and staff from Financial Aid, Enrollment Management, Career Exploration, Student Support Services, Sponsored Programs, and Outreach and Community Engagement offices.
    - Successes included increased retention and persistence, decreased time to completion, increased graduation rates, increased recruitment of students, including underrepresented populations and students with high financial need, and recognition by State leadership for program excellence at Kent State.
2. *Career development:* Served as Director of Office of Postdoctoral Studies.
    - Developed and directed university-wide support for postdoctoral scholars, fostering a welcoming and supportive environment for postdoctoral scholars, while providing professional and career development, and grant writing support.
    - Collaboration with Vice President of Research and Economic Development and Vice President of People, Culture and Belonging.
    - Successes included development of a credential-granting program for pedagogy, development of new university policy for postdoctoral scholars including salary guidelines and improved benefits.

- Associate Dean for Graduate and Postdoctoral Affairs, College of Arts and Sciences Reporting to Dean of College of Arts and Sciences (August 2020-September 2022):

Oversight of 65 graduate programs in 19 departments and schools, enrollment approximately 1300 graduate students.

- Budgetary and fiscal oversight of $12 million annually for graduate assistantships.
- Successes included: increased graduation rates and decreased time to completion, development of university-wide policies, implementation of procedures and increased transparency,

- Developed and directed an Office of Postdoctoral Studies to serve as the dedicated resource for professional and career development for current (approximately 25-35 postdoctoral fellows at any time) and prospective postdoctoral associates at Kent State University and at Northeastern Ohio Medical School (NEOMED), faculty mentors and department administrators. This office was later elevated to university-wide level.
- Interim Co-Director of the School of Biomedical Sciences:
  Provided graduate education and mentoring to 80-90 MS and PhD students in programs across multiple affiliated institutions, including Kent State University, Northeast Ohio Medical University (NEOMED) and the Lerner Research Institute at the Cleveland Clinic.

- Associate Dean for Research and Faculty Development, College of Arts and Sciences

Reporting to Dean of College of Arts and Sciences (January 2019-September 2022):
Provided leadership related to college and university-wide Research Development for research and educational grants.

- Supported efforts for Kent State to achieve R1-designation as a research-intensive university: Received R1designation in February 2022.
- Secured $16-17 million new extramural funding each year (at the time: 75% of all new research funding at Kent State).
- Initiatives included the development of centralized resources, mentoring networks and activities for grant preparation, organization of grant-writing workshops, creating grant support documents, and identification of funding opportunities.

University Mississippi Medical Center:

- Associate Dean of Graduate and Postdoctoral Studies:

Reporting to Dean of College of Graduate and Professional Studies (July 2012- January 2019)
Developed and Directed Office of Postdoctoral Studies.

- Served as the dedicated resource for professional and career development for current (65-75 postdoctoral fellows at any time) and prospective postdoctoral fellows and provided information regarding multiple career options to graduate students.

- Director of Faculty Research Development, Office of Research and Sponsored Programs:

Reporting to Vice President for Research (August 2017-Jan 2019)
Provided leadership for university-wide research grant development and support.

- Initiatives included development of centralized resources, mentoring networks and activities for grant preparation, organization of grant-writing workshops, creating grant support documents, and identification of funding opportunities.
- UMMC has R1-designation with at the time: $110 million in sponsored programs funds per year in six schools, 30 research centers and institutes, six hospitals, statewide clinics, and telehealth sites.

University of Michigan:

- Associate and Interim Director Graduate Program in Neuroscience

Reporting to Associate Dean for Graduate Studies (December 2010-June 2012):
Oversight of all activities and budget related to this interdisciplinary campus-wide graduate program (approximately 100-120 PhD students and management of 2 direct reports).

Leadership Role with Government entities and external organizations

As Vice President of Research and as Provost, Vice President for Academic Affairs at New Mexico Tech, I represent the University government entities and external organizations. I frequently present the possibilities created by the university academic and research programs and provide status updates for state appropriations to New Mexico legislative committees, state and federal offices, individual policy makers and office staff, and New Mexico departments, including the New Mexico Department of Economic Development. Since January 2025, I have delivered 25 presentations to policy and decision makers and external entities visiting New Mexico Tech and 6 presentations to New Mexico Legislative Finance, Senate Finance, and Science, Technology, and Telecommunications committees.

Leadership Roles in National Professional Organizations

Federation of American Societies for Experimental Biology (FASEB):

- Vice President-Elect for Science Policy (Elected; 2026-present):

FASEB is a federation of 22 scientific societies representing over 100,000 researchers that advances health and well-being by promoting research and education in biological and biomedical sciences through collaborative advocacy and service to our societies and their members. Vice President-Elect is a member of the Science Policy and the Executive Committees to review, form responses and inform members regarding federal policy changes and proposals.

Society for Neuroscience (SFN):

- Chair Neuroscience Training Committee (Invited; 2022-2025):

This committee provides resources and programs to support members engaged in higher education and scientific training. Programming for neuroscience program directors, faculty, and chairs, as well as trainees, includes workshops, responsible conduct of research course, a graduate school fair during the SfN Annual Meeting, survey and reports on trends in neuroscience education, and neuroscience topic training and webinars throughout the year.

- Program Lead on "Foundations of Rigorous Neuroscience Research" (Invited; 2019- 2024)

Leader of SfN NIH grant-funded program for enhancement of scientific rigor and reproducibility for neuroscience research, with the aim to inform and empower neuroscientists at all career stages to enhance the rigor and reproducibility of their research.

Higher Education Resource Service (HERS):

- HERS Faculty in Residence (Invited; June 2023, July 2024):

Invited by HERS (Higher Education Resource Service) leadership to serve as faculty-in-residence at the Leadership Institute in June 2023 and July 2024, upon completion of the HERS Leadership Institute in July 2022. In this role, I coached and mentored participants, supported the overall organization of the Institute and co-lead sessions on career and professional development topics for leaders in Higher Education.

Leadership Roles in New Mexico-based Organizations (since January 2025)

New Mexico Consortium (NMC)
Board member: New Mexico Tech Representative (2025-present)
Vice President and Treasurer (Rotating role for VPRs; 2026-present)

New Mexico Dept Economic Development TIO Board
Board member: New Mexico Tech Representative (2025-present)

New Mexico Dept Economic Development TRC Board
Board member: New Mexico Tech Representative (2025-present)

New Mexico Technology Enhancement Fund
Member TEF Review Committee (TEC): New Mexico Tech representative (2025-present)

New Mexico EPSCoR State Committee
Board Member: New Mexico Tech Representative (2025-present)
New Mexico NIH-INBRE
Steering Committee Member: New Mexico Tech Representative (2025-present)
New Mexico Artificial Intelligence Consortium
Member Steering Committee; Lead New Mexico Tech Representative (2025-present)
NMBio
Board Member: Invited New Mexico Tech Representative (2025-present)
New Mexico Angels
Board Member: Invited (2026-present)
Advanced Technology Working Group (AMWG)
Member; Invited New Mexico Tech Representative (2026-present)

Leadership for Securing External Funding for Research, Technology and Workforce Development

New Mexico Tech (2025-present)

- Secured $41,770,000 funding to New Mexico Tech to support student internships, research experiences, entrepreneurship, and First Responder Training.
- Secured $24,691,600 in recurring and non-recurring New Mexico State appropriations to Research and Academic Affairs and additional pending Federal appropriations to New Mexico Tech.
- Submitted $9,182,800 Federal Congressional Directed Spending Requests (Pending)

Kent State University (2019-2025)

- Secured $9,088,644 funding to Kent State University to support workforce development and student scholarships.

Service on University Committees (2016-current; prior service roles not listed)

New Mexico Tech (2025-present)
Universities Committees
2025-present President Executive Cabinet
2025-present President Extended Cabinet
2025-present Board member New Mexico Tech University Research Park Corporation

Kent State University (2019-2025)
Universities Committees
2024-2025 Educational Policy Council - Undergraduate Policies Subcommittee
2021-2025 Educational Policy Council - Graduate Policies Subcommittee
2021-2025 Nexus Team Leader for SeaChange (AAS), Division of Diversity, Equity and Inclusion
2021-2024 Academic Affairs Financial Health Commission
2021-2024 Research Faculty Advisory Committee (Research and Economic Development)
2021-2021 Search Committee Associate Dean College of Graduate Studies
2021-2023 Data Sciences Committee- Research and Curriculum Subcommittees
2021-2022 Strategic Planning Academic Affairs Committee
2020-2023 Institutional Biosafety Committee
2020-2022 Graduate Deans Advisory Council
2020-2022 Graduate Studies Steering Committee
2020-2022 Graduate Studies Strategic Planning Committee
2020-2022 Academic Program Review Committee

2020-2021 Strategic Planning Enrollment Management Committee
2019-2022 International Scholars and Visitors Policy Committee

Brain Health Research Institute (BHRI):
2021-2025 Assistant Director BHRI
2021-2025 Director Neuroimaging Collaboratory (Microscopy Core Facility)
2020-2025 Director Undergraduate Research Fellows Program
2020-2021 Chair Research Interest Groups
2019-2025 Executive Committee
2019-2025 Symposium Committee

College of Arts and Sciences Committees
2021-2023 Chair Faculty Mentoring Committee
2021-2023 Committee Diversity, Equity, Inclusion Strategic Planning
2021 Chair Search Committee Associate Dean Curriculum, College of Arts and Sciences
2020-2023 College Curriculum Committee (ex officio)
2020-2023 College Advisory Committee (ex officio)

Department of Biological Sciences
2023-2024 Research Committee
2019-2025 Vivarium Advisory Committee
2019-2025 Promotion and Tenure Committee

University of Mississippi Medical Center (2012-2018)
Faculty/Universities Committees
2014-2017 Faculty Senate (Elected Member)
2014-2018 Experimental Models Space Committee
2012-2018 Member Faculty Mentoring Committee

University Research
2017-2018 Executive Research Cabinet
2016-2018 Coordinator Affiliative Students in Research

Department of Physiology Committees
2014-2018 Member Promotion and Tenure Committee

Department of Neurobiology & Anatomy Committees
2018-2018 Chair Faculty Search Committee

Neuroscience Graduate Program
2014-2016 Chair Website Committee
2012-2018 Member Curriculum Committee
2012-2018 Member Admissions Committee
2012-2016 Member Executive Committee
2012-2014 Qualifying Exam Committee Neuroscience Graduate Program Co-Chair

Service on Professional Society Committees (2016-current; prior service roles not listed)

Society for Experimental Biology and Medicine (SEBM):
2024-present Elected Representative for FASEB Science Policy Committee
2024-present Elected Council member

Society for Neuroscience (SFN):

Organization and coordination of professional development activities and curriculum

2022-2025	Chair (invited) Neuroscience Training Committee
2022-2023	Member (invited) Survey Membership Committee
2021-2022	Member (invited) Neuroscience Training Committee
2017-2022	Member (invited) Professional Development Committee

Organization of activities for enhancement of rigor and reproducibility

2019-2025	PI on NIH grant-funded program "*Foundations of Rigorous Neuroscience Research"*

Curriculum development for leadership training

2019-2022	Instructor Leadership Development Program
2018-2022	Member (invited) Leadership Program Development Committee

Promotion and support of diversity in neuroscience

2018-2022	Member (invited) Committee Diversity in Neuroscience Subcommittee
2018-2022	Mentor in Neuroscience Scholars Program

Association of American Medical Colleges (AAMC):

2014-2017	Member (elected) GREAT Group Post-doctorate Leaders Section Steering Committee
2015-2017	Representative (elected) GREAT Subcommittee Training for Multiple Careers
2015-2017	Member (invited) of GREAT Group subcommittee Review of Mentor-Mentee Compacts

Society for Behavioral Neuroendocrinology (SBN):

2019-2022	Member (invited) Awards Committee
2010-2016	Member (invited) Program Committee

Winter Conference for Brain Research (WCBR):

2016-2019	Member (elected) Board of Directors

World Kisspeptin Conference

2021- 2022	Member of Organizing Committee 4th World Kisspeptin Conference, August 2022
2016-2017	Member of Organizing Committee 3rd World Kisspeptin Conference, March 2017

American Association of Anatomists (AAA):

2010-2016	Member Membership Committee and Member Special Membership Subcommittee

Invited Speaker and Organizer: Career and Professional Development for Faculty and Trainees

I have served as speaker, organizer and/or moderator for Professional Societies and University units in 28 invited engagements in workshops, symposia, and webinar/seminars.

Research Overview

Throughout my career as faculty at New Mexico Tech, Kent State University, University of Mississippi Medical Center, University of Michigan, University of Western Ontario, and University of Cincinnati, I have continuously secured awards from federal, foundation, and industry funders for my neuroscience research (21 awards, including from NIH, NSF, DOW). My research in neuroendocrinology, spinal cord injury, and drug addiction has been published in 145 peer-reviewed papers and book chapters and received over 13,700 citations. I have been awarded numerous honors for my research, including the CJ Herrick award from the American Association of Anatomists and the Canada Research Chair in Neurobiology of Motivation Reward, and am recognized in Stanford University's list of the world's top 2% of scientists in my discipline. I have delivered 56 invited oral presentations at national and international scientific conferences, 84 presentations at other universities, and have provided service on multiple boards and review panels for scientific journals and funding agencies.

Google Scholar: H-Index: 61; Citations: 13,700 (Sept26, 2026)
NIH Bibliography and ORCID

Teaching Philosophy and Experience

As an educator, I am strongly committed to student success and student support centered on kindness, compassion, and respect and have developed and delivered undergraduate, graduate, and medical school curriculum throughout my career. My passion for lifelong learning, mentoring, and coaching is exemplified by the mentorship of trainees of all career stages in my leadership, laboratory, and the classroom. I have served as a mentor to junior faculty (3), postdoctoral fellows (16), PhD, MSc and MA students (29), undergraduate (69) and high school (55) students.