

**Catherine W. M. Chan**

**CONTACT**

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608-263-7170 (Office)

**DEGREES**

- **Ph. D. in Cell and Molecular Biology**, University of Wisconsin-Madison, Major Professor Dr. C. Kung, received December 1997
- **B. S. in Biochemistry and Molecular Biology**, University of Wisconsin-Madison, received January 1989

**PROFESSIONAL PROFILE**

*An experienced higher education professional with a successful track-record of working with different constituencies to design, facilitate, implement, and improve equity-minded academic programs and high-impact educational practices that promote student success.*

I am dedicated to cultivating positive learning and working environments for all students, staff, faculty, and administrators. Through strategic planning, efficient operation management, empowering individuals, and effective collaborations and coalition building, I enhance inclusion and success for all. I value environments where I can work with like-minded professionals to serve the needs of higher education in the 21<sup>st</sup> century.

**ACADEMIC POSITIONS AND APPOINTMENTS**

- **Staff Affiliate**, Department of Integrative Biology  
University of Wisconsin-Madison, October 2022 – present
- **Professor**, Department of Biology  
University of Wisconsin-Eau Claire, March 2020 – May 2022
- **Professor**, Departments of Biological Sciences and Chemistry  
University of Wisconsin-Whitewater, July 2019 – March 2020
- **Associate Professor**, Departments of Biological Sciences and Chemistry  
University of Wisconsin-Whitewater, August 2010 – July 2019
- **Assistant Professor**, Departments of Biological Sciences and Chemistry  
University of Wisconsin-Whitewater, August 2005 – July 2010
- **Assistant Scientist**, Department of Biochemistry (Supervisor: Dr. M. R. Sussman)  
University of Wisconsin-Madison, January 2002 – July 2005
- **Research Associate**, Departments of Genetics and Horticulture (Supervisor: Dr. M. R. Sussman)  
University of Wisconsin-Madison, February 1998 – December 2001
- **Research Specialist**, Department of Pharmacology (Supervisor: Dr. R. A. Anderson)  
University of Wisconsin-Madison, January 1989 – May 1989

**ADMINISTRATIVE LEADERSHIP EXPERIENCES AND ACCOMPLISHMENTS**

**University of Wisconsin-Madison**

**Assistant Vice Provost for High Impact Practices,**

**June 2022 – present**

**Division of Diversity, Equity and Educational Achievement**

*Central convener for campuswide diversity and inclusion outcomes related to high impact practices, leading the development and implementation of high impact educational practices to enhance student experiences and academic outcomes.*

- Responsible for (but not limited to) the McNair Scholar Program, Center for Educational Opportunity, Academic Coaching to Thrive and Succeed, Education and Wellbeing (including the Student Financial Emergency Support Program) and Experiential Learning that compasses the Internship Program, Global Scholars Program, and STEM Initiatives.
- Serve as a convener, catalyst, consultant, and community builder to provide high impact learning experiences to engage students and support their talent/leadership development.
- Focus on broadening access, enhancing experiences, improving outcomes, and facilitating student success.

### **University of Wisconsin-Eau Claire**

#### **Executive Director, Office of Research and Sponsored Programs      March 2020 – May 2022**

*Improved programming and office operations using best practices and assessment data, met the challenges of higher education and the COVID-19 pandemic, and contributed to campus strategic priorities.*

- Determine strategic directions of campus funding for scholarly and creative activities, oversee the evaluation of funding applications in collaboration with review committees chaired by faculty, and allocate an annual budget of over \$1 million accordingly.
- Direct support services for extramural grants and contracts and, in collaboration with the Division of Finance and Administration, manage an annual extramural budget of approximately \$5 million (with an extra \$38 million associated with HEERF funding since 2020).
- Manage the allocation of research-based scholarship and fellowship programs in collaboration with University Foundation and other stakeholders, including WiSys and the Mayo Clinic Health System Northwest Wisconsin (an annual budget of about \$300,000 and growing). Ensure dispersal of funds is compliant with all applicable regulations/laws, policies, and contractual obligations.
- Promote and provide essential support to research and scholarly activities. Designed and implemented policies that allow undergraduate research to continue safely and facilitated re-pivoting of scholarly activities as appropriate during the COVID-19 pandemic. As a result, overall level of research activities and productivity are maintained despite the challenges imposed by COVID-19 related constraints. Extramural grant submissions and success rate of securing such grants are both on the rise.
- Re-design undergraduate research showcase events as well as other community-building and professional development programs using virtual platforms or hybrid modalities as necessary to align with campus safety protocols while maintaining the high-profile and vigor of scholarly work on campus.
- Re-dedicate support for diverse students and mentors through special funding allocation, faculty community of practice, and intentional collaboration with other programs, especially those within the Division of Equity, Diversity, Inclusion, and Student Affairs (e.g., the McNair Scholars Program).
- Contribute to the 2020-2025 university strategic plan of integrating undergraduate research into all disciplines through ensuring equitable access to research funding and support, done in consultation with chairs, deans, and other administrative leaders. Leading projects to assist departments to examine their curricula and explore ways to expand course-embedded research to build foundational skills and broaden access to research.
- Expand existing partnership with the Chippewa Valley Technical College through collaborative undergraduate research opportunities, resulting in the first ever presentations of their students at our campus Celebration of Excellence in Research and Creative Activity event in April 2021. Part of my contribution to a Howard Hughes Medical Institute Inclusive Excellence 2 grant-funded project and my effort to bring undergraduate research to more diverse student populations.

- Contribute to the foundational work of the Center for Racial and Restorative Justice, especially in organizing the inaugural Equity, Diversity, and Inclusion Symposium and setting up the first cycle of microgrants and research awards from the Center. Work from this first group of awardees is underway and the symposium is set for March 2022.
- Worked as part of the core team who developed and submitted a proposal to the Workforce Innovation Grant Program that is administered by the Wisconsin Economic Development Corporation. The \$9.4 million proposal was approved and funded in full, with implementation anticipated to begin in January 2022.

**Lead Co-Chair, 2023 National Conference on Undergraduate Research (NCUR) May 2020 – May 2022**

*Key organizer and liaison, connected different areas of the planning team with essential resources, support, and facilitated strategic decision-making.*

- Lead the preparation for the premiere conference in undergraduate research in US with an expected attendance of 4,000+ students, faculty, and administrators.
- Responsible for building and coordinating the work of five divisions and 30+ committees. Liaise with the Executive Team (Provost and Special Assistant to the Chancellor) to approve major decisions regarding the conference.
- Build strong support and infrastructures in programming for the conference themes: Equity, Diversity and Inclusion, Sustainability, Elevating the Creative and Visual Arts and Integration with Other Disciplines, and Engagement of Two-Year Campuses and Technical Colleges.

**University of Wisconsin-Whitewater**

**Interim Director, Office of Academic Assessment**

**April 2019 – March 2020**

*Supported the assessment of all academic programs, successfully built rapport with multiple constituencies, and promoted a culture of assessment and the practice of data-informed decisions.*

- Stepped in to lead the office when the previous director was named the Interim Associate Vice Chancellor for Academic Affairs. Continued to build a culture of and provide support for the assessment of academic programs, work that is crucial for achieving stated student learning outcomes and maintaining university accreditation.
- Contributed to work documenting and showcasing campus-wide assessment work that culminated in the 2020 Sustained Excellence in Assessment Designation from the National Institute for Learning Outcomes Assessment.
- Served as a core member then a team leader of the National Association of System Heads Taking Student Success to Scale (NASH TS3) High Impact Practice team on campus. Overall project was supported by a grant awarded to the University of Wisconsin System, led by the Associate Vice President for Academic Programs and Faculty Advancement. Whitewater's project focused on exploring student employment as a high-impact educational practice, discovering pockets of excellence in student employment on campus, their engagement and evaluation practices, and sharing lessons learned with the campus, the System, and beyond.

**Director, Undergraduate Research Program**

**Fall 2012 – Summer 2018**

**Interim Director, Undergraduate Research Program**

**Fall 2011 – Summer 2012**

**Associate Director, Undergraduate Research Program**

**Fall 2008 – Summer 2011**

*Expanded and improved undergraduate research, conducted in-depth assessment to make data-informed strategic decisions, and increased the program's prominence on campus and beyond.*

- Determined strategic directions of funding for undergraduate research to align with campus priorities, designed and implemented a variety of new/revised grant programs, and allocated an annual budget of approximately \$300,000.
- Led assessment projects to determine characteristics of participants and program effectiveness to make data-informed decisions on immediate/future programming and resource allocation.
- Broadened access to historically marginalized student groups and less active disciplines through innovative programming, intentional outreach and engagement, and effective student and mentor professional development that were rooted in culturally relevant practices and evidence-based pedagogies.
- Piloted then institutionalized the Research Apprenticeship Program to improve engagement of students from historically marginalized groups in undergraduate research, including underrepresented ethnic and racial minorities, beginning and transfer students, and those from low-income and first-generation backgrounds. Vastly increased the participation of students from underrepresented minority and first-generation backgrounds in research, with participants showing significantly better academic outcomes than their peers from comparable backgrounds.
- Elevated the prominence of the Undergraduate Research Program and the visibility of campus through strategic outreach and dissemination of program outcomes. Resulted in three state and national recognitions for the program's achievement in diversity and inclusion (please see the 'AWARDS' section for details).

**Administrative Development Program Fellow**

**Fall 2018 – Spring 2019**

*Developed a more thorough understanding of the administrative work of higher education and cultivated a broad network of collaboration.*

- Worked to support the integration of the Rock County branch campus with the Whitewater main campus. Collaborated with multiple stakeholders in the Divisions of Academic, Student, and Administrative Affairs to identify and resolve problems, track and report progress, and ensure accountability of all parties.
- Led the development of a new web-based post-tenure review system that was implemented in Summer 2019. Consulted and collaborated extensively with multiple constituencies, including staff members from the Department of Instructional, Communication & Information Technology as well as leadership from Faculty Senate to ensure the technology worked to support faculty evaluation while adhering to the policies of the University of Wisconsin System, Department of Human Resources on campus, and shared governance groups.

**First Year Faculty Program Coordinator**

**Summer 2019 – Spring 2020**

**Learning Enhancement, Assessment and Research Network Fellow**

**Fall 2017 – Spring 2019**

*Developed and implemented institutional level professional development and training of new faculty and instructional academic staff.*

- Led the year-long orientation program for first-year faculty members to provide essential information, and support for instructional and research needs. Also helped promote the building of community – especially among faculty of color – and provide opportunities for collaboration.
- Explored programming for new instructional academic staff to provide instructional and/or technology support as well as the cultivation of a scholarly community for camaraderie and professional support.

**AWARDS**

**Undergraduate Research Program**

*Increased visibility and support for the program at the University of Wisconsin-Whitewater through highlighting its successes in diversity and inclusion initiatives as well as assessment efforts.*

- **Program Achievement Award** – Research Apprenticeship Program, Wisconsin State Council of Affirmative Action, 2016
- **Diversity Award** – Research Apprenticeship Program, University of Wisconsin System Board of Regents, 2015
- **Award for Undergraduate Research Accomplishments Finalist** – Undergraduate Research Program (one of six nationwide), Council on Undergraduate Research, 2015

### **Professional Recognitions**

*Illustrate my commitments to and accomplishments in diversity and inclusion and high-impact practices.*

- **Wisconsin's Most Influential Asian American Leaders**, Madison 365, 2024
- **Outstanding Women of Color in Education Award**, University of Wisconsin System, 2014
- **Excellence in Service Award**, College of Letters and Sciences, University of Wisconsin-Whitewater, 2015
- **Women in Leadership Honoree**, University of Wisconsin-Whitewater, 2012
- **Outstanding Research Award**, College of Letters and Sciences, University of Wisconsin-Whitewater, 2011

**SELECT PROFESSIONAL LEADERSHIP AND SERVICES** (numerous manuscript and grant review services not listed; details available upon request)

*An established professional in the areas of undergraduate research and STEM education; hold elected leadership positions in a variety of state and national organizations.*

- **Universities of Wisconsin System High Impact Practices Leadership Team: Member** (Fall 2023 – present)  
Serve as a consultant to Universities of Wisconsin System Administration on reviewing the state of high impact practices across system institutions and better integrating these practices into the system strategic plan.
- **Wisconsin Council on Undergraduate Research: Chair** (Spring 2018 – Spring 2020) and **Executive Board Member** (Fall 2013 – Spring 2015; Fall 2020 – present)  
Serve as a resource to directors of undergraduate research programs and advocate/liaison to the University of Wisconsin System.
- **Council on Undergraduate Research: Elected Councilor** (Spring 2011 – Spring 2023, Chemistry Division; Spring 2023 – present, At-Large Division); **National Conference on Undergraduate Research Oversight Committee Member** (Spring 2017 – Spring 2023); **Diversity and Inclusion Task Force Member** (Fall 2017 – Spring 2023)  
Provide leadership on undergraduate research at the national level, including shaping the premiere undergraduate-focused academic conference and sharing resources and best practices for supporting diverse students and their mentors through presentations, podcasts, social media posts, etc.
- **National Science Foundation: Reviewer**, Molecular and Cell Biology Program (2016, 2012, 2010 & 2009) and Education and Human Resources Program (2019)  
Serve as a content expert and an advocate for Principal Investigators from primarily undergraduate institutions seeking federal funding support.
- **Project Kaleidoscope STEM Leadership Institute: Participant** (2017, with another year-long follow up)

A competitive and intensive week-long leadership development institute for STEM faculty who are emerging leaders in their fields. Lessons learned and repertoire acquired help with current work on the intentional and systematic mentoring of other emerging leaders in higher education.

**SELECT EXTRAMURAL, UNIVERSITY OF WISCONSIN SYSTEM, AND UNIVERSITY OF WISCONSIN-WHITewater GRANTS** (undergraduate research grants not included; complete list available upon request)

*A successful grant writer, an effective project manager, a responsible steward of resources, and a strategic Principal Investigator/co-Principal Investigator with more than \$1.1 million of external and internal grant funding. Recent projects supported the development and implementation of high-impact educational practices and pedagogical strategies that facilitate the success of minoritized student populations, and earlier ones were primarily for supporting discipline-based research involving undergraduate students as a tool to promote student learning and success.*

- University of Wisconsin System HIPs Initiatives Grant (PI: Dr. J. Cook, co-PI: **C. Chan**), Spring 2020, \$10,000 (One year grant, completed).
- NASH TS3 Mini Grant (PI: Dr. J. Cook, co-PI: **C. Chan**), Spring 2020, \$5,000 (Six month grant, completed).
- University of Wisconsin-Whitewater Strategic Initiatives Grant: *Research Across Curriculum* (PI: Dr. P. Bhattacharyya, co-PI: **C. Chan**), Spring 2018, \$50,000 (One year grant, completed).
- University of Wisconsin-Whitewater Faculty Initiative for Research/Scholarly/Creative Excellence Grant: *Preparing extramural grant proposal(s) to establish the STEM Foundation Program* (PI: **C. Chan**, co-PI: Dr. M. Waraczynski), Spring 2018, \$10,000 (One year grant, completed).
- Wisconsin Alliance for Minority Participation Small Grant Program: *Stepping Stones for STEM Success* (PI: Dr. P. Bhattacharyya, co-PI: **C. Chan**), Summer 2015, \$24,968 (One year grant with no-cost extension until August 2018, completed).
- University of Wisconsin System Growth Agenda Institutional Change Grant: *Science Academy* (PI: **C. Chan**, co-PI: Dr. S. Meisel), Spring 2014, \$330,429 (Three year grant with no-cost extension until June 2018, completed).
- University of Wisconsin System Undergraduate Research and Discovery Grant: *Promoting Community-Based Research at UW-Whitewater* (PI: **C. Chan**), Fall 2014, \$49,706 (One year grant, completed).
- University of Wisconsin-Whitewater Strategic Initiatives Grant: *Revising the Developmental Mathematics Curriculum for STEM Students* (PI: **C. Chan**, co-PI: Dr. S. Meisel), Spring 2013, \$31,663 (with an additional \$3,000 match from the College of Letters and Sciences. One year grant, completed).
- University of Wisconsin-Whitewater Strategic Initiatives Grant: *Equipment Purchase for Biology Courses and Research* (PI: **C. Chan**, co-PIs: Drs. G. Clokey & E. Harrahy), Spring 2011, \$48,610 (One year grant, completed).
- University of Wisconsin-Whitewater Strategic Initiatives Grant: *Piloting the Research Apprenticeship Program* (PI: Dr. S. Meisel, co-PI: **C. Chan**), Spring 2011, \$34,460 (with an additional \$6,122 match from the Undergraduate Research Program. One year grant, completed).
- LI-COR Corporation Environmental Education Fund (PI: **C. Chan**, co-PIs: Drs. G. Clokey & E. Harrahy), Fall 2010, \$48,000 (One year grant, completed).
- Merck/AAAS Undergraduate Science Research Program: *Interdisciplinary Biology and Chemistry Research Program* (PI: **C. Chan**, co-PIs: Drs. E. Harrahy and P. House), Spring 2009, \$60,000 (with an additional \$46,500 match from the College of Letters and Sciences. Three year grant, completed).

- University of Wisconsin System Diversity Research Award: *Promoting Diverse Faculty* (PI: **C. Chan**), Fall 2007, \$10,000 (One year grant, completed).

## REFEREED PUBLICATIONS

*A well-respected professional embracing the Teacher-Scholar model of scholarship; recent work is centered on student success initiatives and their assessment, and earlier publications are focused on discipline-based research (many with student co-authors).*

- L. Gilbertson, J. Rowe, Y. Kim, **C. W. M. Chan**, N. Schemm and M. Unhoch (2021). An Online Training Program to Enhance Novice Researchers' Knowledge and Skills. *Scholarship and Practice of Undergraduate Research* 4 (4): 33-41. <https://doi.org/10.18833/spur/4/4/4>
- P. Bhattacharyya and **C. W. M. Chan** (2021). Can Undergraduate Research Participation Reduce the Equity Gap. *Journal for the Scholarship of Teaching and Learning* 21 (1): 287-300. <https://doi.org/10.14434/josotl.v21i1.30462>
- P. Bhattacharyya, **C. W. M. Chan**, R. R. Duchesne, A. Ghosh, S. Girard and J. Ralston (2020). Course-Based Research: A Vehicle for Broadening Access to Undergraduate Research in the 21<sup>st</sup> Century. *Scholarship and Practice of Undergraduate Research* 3 (3): 14-27. <https://doi.org/10.18833/spur/3/3/7>
- P. Bhattacharyya, **C. W. M. Chan**, and M. A. Waraczynski (2018). How Novice Researchers See Themselves Grow. *International Journal for the Scholarship of Teaching and Learning* 12 (2) Article 3. <https://doi.org/10.20429/ijstl.2018.120203>
- **C. W. M. Chan**, P. Bhattacharyya and S. J. Meisel (2018). A Model for Successful Cross-Campus Collaboration for Engaging Potentially At-Risk Students in Mentored Undergraduate Research Early in Their College Career. *Scholarship and Practice of Undergraduate Research* 1 (3): 48-56. <https://doi.org/10.18833/spur/1/3/13>
- S. Chaiwongsar, A. K. Strohm<sup>\*</sup>, J. R. Roe<sup>\*</sup>, R. Y. Godiwalla<sup>\*</sup> and **C. W. M. Chan** (2009). A Cyclic Nucleotide-Gated Channel is Necessary for Optimum Fertility in High Calcium Environments. *New Phytologist* 183: 76-87.
- **C. W. M. Chan**, D. J. Wohlbach, M. J. Rodesch<sup>#</sup> and M. R. Sussman (2008). Transcriptional Changes in Response to Growth of *Arabidopsis* in High External Calcium. *FEBS Letters* 582: 967–976.
- **C. W. M. Chan**, L. M. Shorrak<sup>\*</sup>, R. K. Smith Jr., A. F. Bent and M. R. Sussman (2003). A Cyclic Nucleotide-Gated Ion channel, *CNGC2*, is Crucial for Plant Development and Adaptation to Calcium Stress. *Plant Physiology* 132: 728-731.
- E. M. Hrabak, **C. W. M. Chan**, M. Gribskov, J. F. Harper, J. H. Choi, N. Halford, J. Kudla, S. Luan, H. G. Nimmo, M. R. Sussman, M. Thomas, K. Walker-Simmons, J.-K. Zhu and A. C. Harmon (2003). The Arabidopsis CDPK-SnRK Superfamily of Protein Kinases. *Plant Physiology* 132: 666-680.
- **C. W. M. Chan**, Y. Saimi and C. Kung (1999). A New Multigene Family Encoding Calcium-dependent Calmodulin-binding Membrane Proteins of *Paramecium tetraurelia*. *Gene* 231 (1-2): 21-32.
- X.-L. Zhou, **C. W. M. Chan**, Y. Saimi and C. Kung (1995). Functional Reconstitution of Ion Channels from *Paramecium* Cortex into Artificial Liposomes. *Journal of Membrane Biology* 144: 199-208.
- C. E. Bazenet, J. L. Brockman, D. Lewis, **C. Chan** and R. A. Anderson (1990). Erythroid Membrane-Bound Protein Kinase Binds to a Membrane Component and is Regulated by Phosphatidylinositol 4,5-Bisphosphate. *Journal of Biological Chemistry* 265: 7369-7376.

<sup>#</sup> Denotes Master's student co-author

<sup>\*</sup> Denotes undergraduate student co-author

## INVITED ARTICLE

- **C. W. M. Chan** (2024). Broadening Access and Educational Experience Beyond the 11 High-Impact Practices. *Assessment Update*, Oct 1, 2024.  
<https://onlinelibrary.wiley.com/doi/full/10.1002/au.30409>

**SELECT PRESENTATIONS ON STUDENT SUCCESS PROGRAMS AND HIGH-IMPACT EDUCATIONAL PRACTICES** (numerous invited presentations not included; complete list available upon request)

*Extensive presentation experiences highlight ability to effectively communicate and connect with a wide variety of stakeholders and audiences.*

- **C. W. M. Chan**, J. Daday, A. Finley, J. L. Kinzie (2025). Beyond the 11 HIPs: A HIP Town Hall for Expanding Practice and Transformation. *American Association of Colleges and Universities Annual Meeting*. Washington D. C.
- **C. W. M. Chan**, D. M. Collins, L. J. Charleston, R. A. Leon, T. Maddox, and K. Sellers (2024). Leading Strategically: Imbedding Diversity Work into the Institutional Fabric of Higher Education Today. *International Conference on Urban Education*. Cancun, Mexico.
- L. Brown, **C. W. M. Chan**, M. Urtel, and C. Vande Zande (2024). Administrative Support to Advance High-Impact Practices (HIPs): Department, Institution, and System Perspectives. *Assessment Institute*. Indianapolis, IN.
- **C. W. M. Chan** and L. J. Charleston (2024). Assessment, strategic planning, and inclusive excellence in higher education. *Berlin 2024: International Conference on Assessing Quality in Higher Education*. Berlin, Germany.
- L. J. Charleston, R. A. Leon, **C. W. M. Chan**, A. M. Miller, T. Maddox, D. M. Collins, and J. Kotoris (2024). The Politicization of Equity and Belonging: CDOs Effectively Leading Through Immense Opposition. *National Conference on Race and Ethnicity*. Honolulu, HI.
- L. J. Charleston, R. A. Leon, **C. W. M. Chan**, T. Maddox, D. M. Collins, and J. A. Yonker (2023). Re-imagining the Office of the CDO: Maximizing Efficiencies for Strategic Diversity Leadership. *National Conference on Race and Ethnicity*. New Orleans (June 2023) and virtual (November 2023).
- J. Rylander and **C. W. M. Chan** (2021). Re-thinking Relations Among Writing Centers and Offices for Research and Sponsored Programs: Assessing the Effectiveness of Writing Center Methods to Integrate High-Impact Practices. *Assessment Institute*. Virtual.
- M. Barber, S. A. Welch, J. Cook and **C. W. M. Chan** (2020). Under-represented Minority (URM) Students' Perceived Barriers to HIP Participation. *HIPs in the States*. College Station, TX.
- C. Vande Zande, J. Cook, **C. W. M. Chan** and K. Adams (2020). Student Employment as a High-Impact Practice. *Association of American Colleges and University Annual Meeting*. Washington D.C.
- P. Bhattacharyya, **C. W. M. Chan**, K. Crossgrove, A. Ghosh and E. Loepp (2019). Practicing CURE: Course-Based Research in Different Disciplines. *Council on Undergraduate Research Conference*. Columbus, OH.
- **C. W. M. Chan** and L. J. Charleston (2019). Filling the Gap: Improving Access and Assessing the Impact of Undergraduate Research. *National Conference on Undergraduate Research*. Kennesaw, GA.
- **C. W. M. Chan** and L. J. Charleston (2019). Filling the Gap: Assessing and Communicating the Impacts of HIPs. *HIPs in the States Conference*. Bowling Green, KY.
- K. H. Almeida, **C. W. M. Chan**, B. Gourley and H. Palencia (2018). Scaffolding Active Learning



Strategies to Build Research Skills in Underrepresented Groups. *Council on Undergraduate Research Conference*. Crystal City, VA.

- P. Bhattacharyya and **C. W. M. Chan** (2018). Broadening Participation in STEM. *Council on Undergraduate Research Conference*. Crystal City, VA.
- **C. W. M. Chan** and P. Bhattacharyya (2018). UW-Whitewater Undergraduate Research Program and Student Success: A Data Driven Self-Study. *Council on Undergraduate Research Conference*. Crystal City, VA.
- P. Bhattacharyya, **C. W. M. Chan**, S. Zhang, E. L. Latorraca, C. L. Morgan, M. Stephenson and D. L. Shull (2018). Giving Students a Voice and Bolstering Their Research Skills with Information Literacy: Lessons Learned from UW-Whitewater's Winter Research Institute. *University of Wisconsin System Office of Professional and Instructional Development Conference*. Madison, WI.
- **C. W. M. Chan**, E. Schneider-Rebozo, J. O'Leary and K. G. Halvholm (2017). Funding and Budgeting Strategies: Case Studies from the UW System. *Council on Undergraduate Research Conference*. Flagstaff, AZ.
- M. A. Waraczynski, P. Bhattacharyya, **C. W. M. Chan** and R. N. Padgett\* (2017). Assessing the Dynamics of Learning in Research Apprenticeship Program (RAP) Students. *Council on Undergraduate Research Conference*. Flagstaff, AZ.
- M. A. Waraczynski, P. Bhattacharyya, **C. W. M. Chan** and R. N. Padgett\* (2017). Assessing the Dynamics of Learning in Research Apprenticeship Program (RAP) Students. *UW System Office of Professional and Instructional Development Conference*. La Crosse, WI.
- **C. W. M. Chan**, M. A. Waraczynski, P. Bhattacharyya, G. G. Samaranayake and A. B. Courtier (2017). Supporting and Improving STEM Student Success. *University of Wisconsin System Office of Professional and Instructional Development Conference*. La Crosse, WI.
- **C. W. M. Chan** and P. Bhattacharyya (2016). Engaging Students in High Impact Practice Learning Environments. *University of Wisconsin System Office of Professional and Instructional Development Conference*. Green Lake, WI.
- P. Bhattacharyya, **C. W. M. Chan** and K. Gnadt (2015). Assessing the Impact of Undergraduate Research on Traditional Students as well as Underrepresented Students/Students of Opportunity at UW-Whitewater. *Council on Undergraduate Research Conference*. Norman, OK.
- **C. W. M. Chan** and S. DeVore (2014). Expanding the Culture of Undergraduate Research to New Disciplines and Underserved Student Groups. *Council on Undergraduate Research Conference*. Washington D.C.
- **C. W. M. Chan** and S. Meisel (2014). Growth of the Undergraduate Research Program at the University of Wisconsin-Whitewater. *Council on Undergraduate Research Summit*. Washington D.C.
- **C. W. M. Chan** and S. DeVore (2014). A Continuum of Undergraduate Research: Expanding Options for Students and Mentors. *University of Wisconsin System Office of Professional and Instructional Development Conference*. Madison, WI.
- **C. W. M. Chan** and S. Meisel (2013). Retention and Attrition in STEM Foundation Courses (2001 – 2010). *University of Wisconsin System Office of Professional and Instructional Development Conference*. Madison, WI.
- **C. W. M. Chan** and S. DeVore (2013). Research Apprenticeships: Enhancing Inquiry-Based Thinking Among Freshman and Sophomores. *University of Wisconsin System Office of Professional and Instructional Development Conference*. Madison, WI.
- **C. W. M. Chan** and S. DeVore (2013). Undergraduate Research and LEAP. *University of Wisconsin System LEAP 2.0 Conference*. Madison, WI.
- **C. W. M. Chan** and S. Meisel (2012). Integrating Undergraduate Research in the Curriculum Through Mentoring Resources. *Council on Undergraduate Research Biennial Conference*. Ewing, NJ.

- **C. W. M. Chan** and S. Meisel (2010). Perspectives on Successful Mentoring for Undergraduate Research: Disciplinary Perspectives from Faculty and Students. *Association of American Colleges and Universities Conference (Topic focus: Creativity, Inquiry, and Discovery: Undergraduate Research in and across the Disciplines)*. Durham, NC.

\* Denotes undergraduate student co-author

**SELECT PRESENTATIONS ON DISCIPLINE-BASED RESEARCH** (complete list available upon request)

*A successful mentor and strong advocate for mentees across diverse backgrounds; co-authored 18 presentations with students for external undergraduate-focused conferences and many more for the University of Wisconsin-Whitewater Undergraduate Research Day celebrations (not listed).*

- M. Storage\* and **C. W. M. Chan** (2014). Effects of Aspirin and Its Metabolite on *Arabidopsis thaliana*. *International Conference on Arabidopsis Research*. Vancouver, British Columbia, Canada.
- M. Nider\* and **C. W. M. Chan** (2012). Effects of Titanium Dioxide Nanoparticles on a Model Land Plant, *Arabidopsis thaliana*. *American Chemical Society Rocky Mountain Regional Meeting*. Westminster, CO.
- A. Redinger\*, J. Price\*, M. Nider\*, E. Higgins\* and **C. W. M. Chan** (2011). Effects of Pharmaceuticals and Personal Care Products on a Model Terrestrial Plant, *Arabidopsis thaliana*. *American Society of Plant Biologist National Conference*. Minneapolis, MN.
- J. Price\*, M. Nider\*, M. Stowers\*, A. Redinger\* and **C. W. M. Chan** (2011). Effects of Pharmaceuticals and Personal Care Products on a Model Terrestrial Plant, *Arabidopsis thaliana*. *Society of Environmental Toxicology and Chemistry Regional Meeting*. Lake Geneva, WI. 2<sup>nd</sup> prize in Students' Poster Award.
- K. Butzine\* and **C. W. M. Chan** (2010). Mineral Accumulation of a Model Plant, *Arabidopsis thaliana*, After Exposure to Caffeine and Ibuprofen. *American Chemical Society Spring National Meeting*. San Francisco, CA.
- R. Godiwalla\*, J. Roe\* and **C. W. M. Chan** (2008). Characterization of a Calcium Hypersensitive Mutant in *Arabidopsis thaliana*. *Plant Biology 2008*. Merida, Mexico.

\* Denotes undergraduate student co-author

**UNIVERSITY AND PUBLIC SERVICES** (details available upon request)

*Proven record as an effective ambassador for campus and a strong advocate for higher education, especially in diversity and inclusion within the sciences. Services undertaken as a faculty were focused on supporting campus-wide projects of strategic importance, as well as enhancing high-impact educational practices and Inclusive Excellence. Public outreach includes presentations to emphasize the importance of science education and undergraduate research, as well as the centrality of cultural fluency on lifelong success.*