

EILEEN MCMAHON MCQUADE

ASSOCIATE PROVOST, WESTMONT COLLEGE

CONTACT

928 Westmont Road
Santa Barbara, CA 93108
805-698-9751 (cell)
mcquade@westmont.edu

EDUCATION

POSTDOCTORAL FELLOWSHIP
(2002-04)
Feinberg School of Medicine
Northwestern University
Chicago, IL

DOCTOR OF PHILOSOPHY (2001)
(Specialty: Cellular Immunology)
University of North Carolina
Chapel Hill, NC

BS IN MARINE BIOLOGY (1996)
Eckerd College, St. Petersburg, FL

ACHIEVEMENTS

- Instrumental in starting engineering and accelerated nursing program
- Academic lead in starting Center for Student Success and the Student Success Coach program
- Started *First Connections*, pre-orientation event for new first-generation & international students
- Writer/co-writer for \$1.9M of grants for facility renovation and faculty and program development
- Managed cost-savings measures of \$3.4M in the academic budget
- Won Faculty Research Award (2009), Outstanding Teacher of the Year (2012), and Jane Higa Award for Curricular/Co-curricular Collaboration (2024)
- Co-authored peer-reviewed research papers in *Nature Medicine*, *Nature Immunology*, and *Immunity*

PROFILE

Respected faculty member and innovative higher education administrator with 20+ years of success in a Christian, liberal arts college setting. Extensive experience in fostering a vibrant faculty culture, student success strategies focused on retention, effective budget management, process improvement, and missionally congruent new program development.

EXPERIENCE

ASSOCIATE PROVOST • 2023-PRESENT

Westmont College • Santa Barbara, CA

Supervise department chairs and program directors; oversee \$21M academic budget; provost's rep. on the Budget and Salary Committee, Capital Improvement Project committee, Situational Response Team, Student Care Team, and Academic Senate; serve on Strategic Planning Committee; manage faculty payroll; issue all faculty contracts; oversee the academic integrity process; assist with new program development; served as interim director of Global Ed for 1 academic year; direct reports include Garden Manager/Sustainability Coordinator, Directors of Accessibility Resources Office, Ridley-Tree Museum of Art, and Gaede Institute for the Liberal Arts

ASSOCIATE DEAN OF THE FACULTY • 2016-2023

Westmont College • Santa Barbara, CA

Half-time 2016-2019 and full-time 2019-2023; Oversaw professional development program for all faculty (new faculty orientation, Wayfinding, weekly Faculty Forums, Sabbaticals, May Faith-Learning Seminar; Fac. Dev. grants); planned annual academic events (Honors Convocation, Service of Commitment, research symposia); partnered with College Advancement on academic grants and gifts; served as Interim Director of Westmont in San Francisco; partnered with Office of Admissions on faculty involvement in events; partnered with Student Life on many special initiatives (e.g. Early Alert taskforce, expanded New Student Orientation, First Connections, Student Care Team); served as the academic lead for the Center for Student Success; started and supervised the Student Success Coach program; helped with COVID pandemic response (training; class scheduling; classroom set-up; tech management; designed online first-year seminar experience); assisted with new program development

ASSIST./ASSOC./FULL PROFESSOR, TENURED • 2004-PRESENT

Westmont College • Santa Barbara, CA

Taught 24 units until became Associate Dean; promoted and tenured on schedule; maintained robust research program; carried advising load of ~30 students; participated in departmental projects like assessment, program review and recruitment; served as department chair (2011-2014); mentored pre-tenure faculty; supervised lab coordinator; member of the president's Futures Group; served on faculty committees, including being elected to Faculty Council then Vice Chair of the Faculty; elected to Academic Senate

OTHER EXPERIENCE

VISITING ASSISTANT PROFESSOR • 2010-2011, SUMMER 2012
DIABETES CENTER • UNIVERSITY OF CALIFORNIA • SAN FRANCISCO, CA
During sabbatical, joined Dr. Mark Anderson's laboratory; mentored junior scientists; participated in weekly research seminars, journal clubs, and laboratory meetings; led research group to identify human eTACs (Extra-thymic AIRE-expressing cells)

VISITING ASSISTANT PROFESSOR OF BIOLOGY • SPRING 2002
WESTMONT COLLEGE • SANTA BARBARA, CA
Served as a full-time, one-semester sabbatical replacement between completing PhD and starting postdoctoral fellowship

PROFESSIONAL DEVELOPMENT

- 2022 *Council of Independent Colleges Senior Leadership Academy 2022-23 Cohort member*
- 2018 *Consortium of Christian Colleges and Universities (CCCCU) Leadership Development Institute participant; one of 22 who spent a week together at a workshop; also shadowed the provost at Messiah University for 2 days*

INSTITUTIONAL AND DEPARTMENTAL GRANTS

2020: **Lilly Fellows Program mentoring grant (\$12K; main author)**
Funded a one year "academic advising ambassadors' program" which will consist of 10 faculty "ambassadors" rewriting our faculty academic advising handbook and serving as mentoring to other faculty on advising best practices.

2017: **Fletcher-Jones Foundation Grant (\$750K; co-writer)**
For completion of the 2nd phase of Whittier Science Building renovation; wrote departmental contribution, especially areas addressing concerns after an onsite visit and helped in finalizing design of Biology teaching and research laboratories.

2017: **Keck Foundation Grant (\$225K; co-writer)**
For laboratory equipment and curriculum development focused on inquiry-based learning; primary driver of proposal; liaison between OCA and academic departments; one of lead writers and presenters during on-site visit; now project co-director

2015: **Fletcher-Jones Foundation Grant (\$750K)**
For completion of the 1st phase of Whittier Science Building Renovation; contributed to departmental deliberations and design meetings; wrote selected sections

2009: **Hedco Foundation Matching Grant (\$127K)**
For completion of a fluorescence instrumentation suite (flow cytometer and Licor imager); match accomplished by Stamps Foundation grant (\$40K), alumni gifts (\$48K), Mericos Foundation grant (\$22K)

HONORS AND AWARDS (selected)

- 2024 Westmont College Jane Higa Award for Curricular/Co-curricular Collaboration
2012 Westmont College Outstanding Teacher of the Year for Natural Sciences Division
2009 Westmont College Faculty Research Award
2009 Westmont College Professional Development Grant
2008 AAI Junior Faculty Travel Award to Experimental Biology Conference

WESTMONT INSTITUTIONAL SERVICE (selected)

| | |
|--------------|--|
| 2024-present | WASC Review Steering Committee |
| 2024-present | New Program Development, Strategic Planning Track of Work |
| 2023-present | Provost's representative on Academic Senate |
| 2023-present | Provost's representative on Budget and Salary Committee |
| 2023-present | Academic division representative on Situational Response Team |
| 2023-present | Academic division representative on Capital Improvement Project Committee |
| 2023-2024 | Chair of Off-Campus Program Committee and Global Travel Advisory Committee |
| 2021-2022 | Provost Search Committee |
| 2020-2022 | Nursing Program Leadership Taskforce |
| 2019-present | Student Care Team |
| 2019-present | Center for Student Success Leadership Team |
| 2019-2021 | Engineering Faculty Search Committee (chair); Curriculum & Accreditation Taskforce (chair) |
| 2017-2023 | Student Success, Strategic Planning Track of Work |
| 2016-2017 | Program Review Committee (Provost representative) |
| 2016-2020 | Augustinian Scholars Selection Committee |
| 2014-2023 | Futures Group (a presidential taskforce) |
| 2013-2016 | WASC Review Steering Committee |
| 2012-2013 | President's Council |
| 2012-present | Strategic Planning Committee |
| 2011-2014 | Faculty Council |

COMMUNITY SERVICE

| | |
|-----------|--|
| 2021-2024 | Cold Spring Elementary School Local Plan and Accountability Plan (LCAP) committee |
| 2019-2024 | Cottage Hospital Research Institute Advisory Board (Westmont College representative) |

TEACHING EXPERIENCE

Non-Majors, Non-disciplinary Courses:

APP-090 Inoculum

Non-Majors, Disciplinary Courses:

LS-012 Introduction to Life Science

BIO-012 Human Physiology

Majors, Disciplinary Courses:

BIO-110 Microbiology (Co-taught)

BIO-114 Genetics lecture and lab

BIO-130 Cell Biology lecture and lab

BIO-132 Molecular Biology lecture and lab

BIO-155: Infectious Disease and Immune Response (Co-taught)

BIO-162 Neuroscience (Co-taught)

Tutorials, Seminars, Research:

BIO-194 Bioethics Tutorial on Embryonic Stem Cells

BIO-195 Seminar in Biological Literature

BIO-198 Research

PUBLICATIONS

Gardner, J.M., Metzger, T.C., **McMahon, E.J.**, Au-Yeung, B. B., Krawisz, A.K., Lu W., Price, J.D., Johannes K.P., Satpathy, A.T., Murphy, K.M., Tarbell, K.V., Weiss, A., Anderson, M.S. (2013) Extrathymic Aire-expressing cells are a distinct bone-marrow-derived population that induce functional inactivation of CD4⁺ T cells. *Immunity*, 39 (3):560-572.

Doan, V., Kleindiest, A.M., **McMahon, E.J.**, Long, B.L., Matsushima, G.K., Taylor, L.C. (2013) Abbreviated exposure to cuprizone is sufficient to induce demyelination and oligodendrocyte loss. *Journal of Neuroscience Research*, 91(3): 363-73.

Adipue, I.A., Wilcox, J.T., King, C., Rice, C.A.Y., Shaum, K.M., Suard, C., ten Brink, E., Miller, S.D., **McMahon, E.J.** (2011) Characterization of a novel and spontaneous mouse model of inflammatory arthritis. *Arthritis Research and Therapy*, 13:R114

Balabanov, R., Strand, K., Goswami, R., **McMahon, E.J.**, Begolka, W., Miller, S.D., and Popko, B. (2007) Interferon-gamma-oligodendrocyte interactions in the regulation of experimental autoimmune encephalomyelitis. *Journal of Neuroscience*, 27(8): 2013-2024

Miller, S.D., **McMahon, E.J.**, Schreiner, B., and Bailey, S.L. (2007) Antigen Presentation in the CNS by myeloid dendritic cells drives progression of relapsing-remitting experimental autoimmune encephalomyelitis. *Annals of the New York Academy of Sciences*, 1103:179-191

Bailey, S.L., Schreiner, B., **McMahon, E.J.**, Miller, S.D. (2007) CNS myeloid DCs presenting endogenous myelin peptides "preferentially" polarize CD4⁺ T_H17 cells in relapsing EAE. *Nature Immunology*, 8(2): 172-180

McMahon, E.J., Bailey, S.L., Miller, S.D. (2006) CNS dendritic cells: Critical participants in CNS inflammation? *Neurochemistry International*, 49(2): 195-203.

Bailey, S.L., Carpentier, P.A., **McMahon, E.J.**, Begolka, W.S., Miller, S.D. (2006) Innate and adaptive immune responses of the central nervous system. *Critical Reviews in Immunology*, 26(2): 149-188.

Plant, S.R., Wang, Y., Vasseur, S., Thrash, J.C., **McMahon, E.J.**, Bergstralh, D.T., Arnett, H.A., Miller, S.D., Carson, M.J., Iovanna, J.L., Ting, J.P. (2005) Upregulation of the stress-associated gene p8 in mouse models of demyelination and in multiple sclerosis tissues. *Glia*, 53(5): 529-537.

McMahon, E.J., Smith-Begolka, W., Miller, S.D. (2005) Cytokines and Immune Regulation in the Nervous System. In R. Ransahoff, and E. Benveniste (eds), *Cytokines in the CNS, 2nd Edition*. (pp137-162). Boca Raton: Taylor and Francis.

McMahon, E.J., Bailey, S.L., Castenada, C.V., Waldner, H., Miller, S.D. (2005) Epitope spreading initiates in the CNS in two mouse models of multiple sclerosis. *Nature Medicine*, 11(3):335-339.

Yagi, T., **McMahon, E.J.**, Takikita, S., Mohri, I., Matsushima, G.K., Suzuki, K. (2004) Fate of donor hematopoietic cells in demyelinating mutant mouse, twitcher, following transplantation of GFP⁺ bone marrow cells. *Neurobiology of Disease*, 16(1): 98-109.

McMahon, E.J., Suzuki, K., Matsushima, G.K. (2002) Peripheral macrophage are recruited across an intact blood-brain barrier during primary CNS demyelination. *Journal of Neuroimmunology*, 130: 32-45.

Wu, Y.P., **McMahon, E.J.**, Matsuda, J., Suzuki, K., Matsushima, G.K., Suzuki, K. (2001) Expression of immune-related molecules is downregulated in twitcher mice following bone marrow transplantation. *Journal of Neuropathology and Experimental Neurology*, 60: 1062-1074.

McMahon, E.J., Cook, D.N., Suzuki, K., Matsushima, G.K. (2001) Absence of macrophage inflammatory protein-1 α delays CNS demyelination in the presence of an intact blood-brain barrier. *Journal of Immunology*, 167 (5): 2964-2971.

Scott, R.S., **McMahon, E.J.**, Pop, S.M., Carrichio, R., Reap, E.A., Cohen, P.J., Earp, H.S., Matsushima, G.K. (2001) Phagocytosis and clearance of apoptotic cells is mediated by Mer. *Nature*, 411:207-211.

Serody, J.S., Burkett, S.E., Panoskaltsis-Mortari, A., Ng-Cashin, J., **McMahon, E.J.**, Matsushima, G.K., Lira, S.A., Cook, D.N., Blazar, B.R. (2000) T-lymphocyte production of macrophage inflammatory protein-1alpha is critical to the recruitment of CD8 (+) T cells to the liver, lung, and spleen during graft-versus-host disease. *Blood*, 96(9):2973-80.

Wu, Y.P., **McMahon, E.J.**, Kraine, M.R., Tisch, R., Meyers, A., Frelinger, J., Matsushima, G.K., Suzuki, K. (2000) Distribution and characterization of GFP(+) donor hematogenous cells in twitcher mice after bone marrow transplantation. *American Journal of Pathology*, 156(6):1849-54.

PROFESSIONAL PRESENTATIONS (Selected)

- 2023 Remote Presentation to **CCCU Adjunct Faculty Cohort**: Making the Most of your Research and Scholarship Program (presented to 2 cohorts)
- 2016 **Midwinter Conference of Immunologists**, Pacific Grove, CA. Thymic defects, lymphopenia, and elevated double-negative T cells occur before clinical arthritis in Inherited Inflamed Joints (IIJ) mice. J.A. West, D.B. Thompson, K.A. Shaum, M.L. Combs, E.M. McQuade (Poster presentation)
- 2015 **Research Seminar**, Azusa Pacific University, Azusa, CA. Something new in the Aire? Aire expression and its possible role in autoimmune disease (Invited lecture)
- 2012 **nPOD Annual Meeting**, Miami, FL. Aire expression in human spleen and lymph node: a comparison between type-1 diabetics and healthy controls. E.J. McMahon, T. Metzger, M.S. Anderson (invited oral & poster presentation)
- 2011 **The American Association of Immunologists Conference**, San Francisco, CA. Aire expression in human lymph nodes: a comparison between type-1 diabetics and healthy controls. (Poster presentation)
- 2011 **The UCSF Diabetes Center Seminar Series**, San Francisco, CA. Aire expression in human lymph nodes: a comparison between type-1 diabetics and healthy controls. (Invited lecture)
- 2010 **Research Seminar**, Anderson-Bluestone joint lab meeting, University of California, San Francisco, CA. The IIJ line: A novel and spontaneous mouse model of inflammatory arthritis. (Invited lecture)
- 2009 **Research Seminar**, Feinberg School of Medicine, Northwestern University, Chicago, IL. The IIJ line: A novel and spontaneous mouse model of inflammatory arthritis. (Invited lecture).
- 2009 **50th Annual Short Course on Medical and Experimental Mammalian Genetics Symposium**, The Jackson Laboratory, Bar Harbor, ME. Characterization of a novel and spontaneous mouse model of inflammatory arthritis. I. Adipue, J. Wilcox, J. Stephens, C. Rice, C. King, E. ten Brink, E. Glover, S. D. Miller, and E. J. McMahon (Poster Presentation)
- 2008 **Junior Biology Seminar Series**, Eckerd College, St. Petersburg, FL. Animal models of arthritis. (Invited lecture). Cancelled because of Tea Fire.
- 2008 **The American Association of Immunologists Conference at Experimental Biology 2008**, San Diego, CA. Characterization of the immune response in a new murine model of autoimmune arthritis. E.J. McMahon, I. Adipue, J. Wilcox, C. Suard, and J. Nolte (Poster presentation)
- 2007 **Midwinter Conference of Immunologists**, Asilomar, CA. Characterization of a potentially new murine model of spontaneous, immune-mediated arthritis. J. Wilcox, C. King, J. Mayer, K. Holshausen, S.D. Miller, and E.J. McMahon (Poster presentation)
- 2005 **FASEB Summer Conference on Autoimmunity**, Saxons River, VT. Characterization of a novel mouse strain that spontaneously develops arthritis: a potentially new model of rheumatoid arthritis. J.F. Morrow, J.T. Wilcox, H.L. Parrish, W. Iba, S.D. Miller, E.J. McMahon (Poster presentation)
- 2004 **UCSB Molecular and Cellular Biology Program Research Seminar**. Epitope Spreading in Murine Models of Multiple Sclerosis: Is the brain just one big lymph node? (Oral Presentation)
- 2004 **4th Annual Conference of FOCIS**, Montreal, Canada. Epitope spreading occurs in the CNS and not in the periphery in 2 murine models of multiple sclerosis. (Poster and invited oral presentation)
- 2003 **Autumn Immunology Conference**, Chicago, IL. Epitope spreading occurs in the CNS and not in the periphery in 2 murine models of multiple sclerosis. E.J. McMahon, G. Hoffmann, and S.D. Miller (Oral and Poster presentation)
- 2002 **FASEB Summer Conference on Autoimmunity**, Saxons River, VT. Tracking Myelin-specific T cells during epitope spreading in murine models of multiple sclerosis. E.J. McMahon and S.D. Miller (Poster presentation)

- 2002 **Westmont College NBS Seminar Series**, Santa Barbara, CA. Leukocyte recruitment and chemokine function in two murine models of CNS demyelination. (Oral presentation)
- 2001 **International Neuroimmunology Symposium**, Edinburgh, U.K. Peripheral macrophage recruitment during CNS demyelination in the context of an intact blood-brain barrier. E.J. McMahon (Invited oral presentation)
- 1999 **Keystone Symposia: Effectors of Inflammation in the CNS**, Taos, NM. Macrophage inflammatory protein-1 α is a mediator of macrophage/microglia accumulation and histopathology in cuprizone-induced demyelination. E.J. McMahon, K. Suzuki, D.N. Cook, and G.K. Matsushima. (Poster presentation)
- 1995 **Eleventh Biennial Conference on the Biology of Marine Mammals**, Orlando, Florida. Characterization and expression of the interleukin-2 gene from the Florida manatee, *Trichechus manatus latirostris*. E.J. McMahon, M.A. King, T.L. Ness, M.E. Cashman, W.G. Bradley, J.E. Reynolds, and W.B. Roess. (Poster presentation)