



MaryAnn Campion

Professor (Teaching) of Genetics

Bio

BIO

MaryAnn is a licensed and board certified genetic counselor, co-director of the MS Program in Human Genetics and Genetic Counseling, and professor in the Department of Genetics at Stanford University. Her primary research interests include 1) genetics education, 2) genetic counseling access, service delivery, and psychosocial assessment, and 3) professional development, faculty vitality, and burnout. Prior to joining Stanford University, MaryAnn was the founding director of the Master's Program in Genetic Counseling and Assistant Dean in the Division of Graduate Medical Sciences at Boston University School of Medicine. Her clinical career has focused on prenatal genetic counseling, serving in that capacity for three years with the Greenwood Genetic Center and 12 years at Boston Medical Center. She also provided genetic counseling in the Stanford Center for Down Syndrome. She has served on national committees for the American Board of Genetic Counseling (ABGC), the Accreditation Council for Genetic Counseling (ACGC), and the Association of Genetic Counseling Program Directors (AGCPD), and she was on the 2015-2017 Board of Directors for the National Society of Genetic Counselors (NSGC).

ACADEMIC APPOINTMENTS

- Professor (Teaching), Genetics

ADMINISTRATIVE APPOINTMENTS

- Co-Director, MS Program in Human Genetics and Genetic Counseling, Stanford University School of Medicine, (2016- present)
- Consultant on Genetic Counseling Professional Practice, Stanford Children's Health | Lucile Packard Children's Hospital, (2016-2019)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board of Directors (Director at Large), National Society of Genetic Counselors (2015 - 2017)

PROFESSIONAL EDUCATION

- EdD, Boston University , Educational Leadership and Policy (2015)
- MS, University of South Carolina , Genetic Counseling (2000)
- BS, Furman University , Psychology (1998)

LINKS

- MS Program in Human Genetics and Genetic Counseling: <http://med.stanford.edu/genetic-counseling.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My primary research interests include 1) genetics education, 2) genetic counseling access, service delivery, and psychosocial assessment, 3) professional development, faculty vitality, and burnout.

Teaching

COURSES

2023-24

- Advanced Genetic Counseling Seminar: GENE 286 (Aut, Win, Spr)
- Foundations of Clinical Medicine: PAS 201 (Aut)
- Genetic Counseling Seminar: GENE 285A (Aut)
- Genetic Counseling Seminar: GENE 285B (Win)
- Genetic Counseling Seminar: GENE 285C (Spr)
- Medical Genetics Seminar: GENE 284 (Aut, Win, Spr)

2022-23

- Advanced Genetic Counseling Seminar: GENE 286 (Aut, Win, Spr)
- Foundations of Clinical Medicine: PAS 201 (Aut)
- Genetic Counseling Research Seminar: GENE 282B (Spr)
- Genetic Counseling Seminar: GENE 285A (Aut)
- Genetic Counseling Seminar: GENE 285B (Win)
- Genetic Counseling Seminar: GENE 285C (Spr)
- Medical Genetics Seminar: GENE 284 (Aut, Win, Spr)

2021-22

- Advanced Genetic Counseling Seminar: GENE 286 (Aut, Win, Spr)
- Foundations of Clinical Medicine: PAS 201 (Aut)
- Genetic Counseling Seminar: GENE 285A (Aut)
- Genetic Counseling Seminar: GENE 285C (Spr)
- Genetics Counseling Seminar: GENE 285B (Win)
- Introduction to Medical Genetics: CHPR 272, GENE 272 (Aut)
- Medical Genetics Seminar: CHPR 284, GENE 284 (Aut, Win, Spr)

2020-21

- Advanced Genetic Counseling Seminar: GENE 286 (Aut, Win, Spr)
- Foundations of Clinical Medicine: PAS 201 (Aut)
- Genetic Counseling Seminar: GENE 285A (Aut)
- Genetic Counseling Seminar: GENE 285C (Spr)
- Genetics Counseling Seminar: GENE 285B (Win)
- Medical Genetics Seminar: CHPR 284, GENE 284 (Aut, Win, Spr)
- Neurogenetics: GENE 288 (Win, Spr)

STANFORD ADVISEES

Master's Program Advisor

Sophia Adelson, Alissa Bandalene, Katie Comerford, Esha Mahal, Amanda Mitchell, Allie Zahn

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Human Genetics and Genetic Counseling (Masters Program)

Publications

PUBLICATIONS

- **Knowledge and attitudes on implementing cardiovascular pharmacogenomic testing.** *Clinical and translational science*
Russell, C., Campion, M., Grove, M. E., Matsuda, K., Klein, T. E., Ashley, E., Naik, H., Wheeler, M. T., Scott, S. A.
2024; 17 (3): e13737
- **Molecular Testing in Newborn Screening: VUS Burden Among True Positives and Secondary Reproductive Limitations via Expanded Carrier Screening Panels.** *Genetics in medicine : official journal of the American College of Medical Genetics*
Cook, S., Dunn, E., Kornish, J., Calderwood, L., Campion, M., Cusmano-Ozog, K. P., Tise, C. G.
2023: 101055
- **A report of the AGCPD task force to evaluate associations between select admissions requirements, demographics, and performance on ABGC certification examination.** *Journal of genetic counseling*
Myers, M. F., Bergner, A., Conway, L., Duquette, D., Durst, A. L., Yashar, B. M., Zhang, X., Campion, M.
2021
- **Contributors to and consequences of burnout among clinical genetic counselors in the United States.** *Journal of genetic counseling*
Caleshu, C., Kim, H., Silver, J., Austin, J., Tibben, A., Campion, M.
2021
- **Utility of a virtual counselor (VICKY) to collect family health histories among vulnerable patient populations: A randomized controlled trial.** *Patient education and counseling*
Wang, C., Paasche-Orlow, M. K., Bowen, D. J., Cabral, H., Winter, M. R., Norkunas Cunningham, T., Trevino-Talbot, M., Toledo, D. M., Cortes, D. E., Campion, M., Bickmore, T.
2021
- **Cancer genetic counselors' experiences with transgender patients: A qualitative study** *JOURNAL OF GENETIC COUNSELING*
Zayhowski, K., Park, J., Boehmer, U., Gabriel, C., Berro, T., Campion, M.
2019; 28 (3): 641–53
- **Genomic education for the next generation of health-care providers.** *Genetics in medicine : official journal of the American College of Medical Genetics*
Campion, M., Goldgar, C., Hopkin, R. J., Prows, C. A., Dasgupta, S.
2019
- **Cancer genetic counselors' experiences with transgender patients: A qualitative study.** *Journal of genetic counseling*
Zayhowski, K., Park, J., Boehmer, U., Gabriel, C., Berro, T., Campion, M.
2019
- **Genetic counselors' attitudes toward and practice related to psychiatric genetic counseling.** *Journal of genetic counseling*
Booke, S. n., Austin, J. n., Calderwood, L. n., Campion, M. n.
2019
- **MA number not sure JK9 CHALLENGES TO USING WEB-BASED FAMILY HISTORY TOOLS AMONG VULNERABLE PATIENT POPULATIONS**
Wang, C., Bickmore, T., Paasche-Orlow, M., Cunningham, T., Cabral, H., Winter, M., Campion, M., Bowen, D.
OXFORD UNIV PRESS INC.2018: S146
- **Genetic counselor training for the next generation: Where do we go from here?** *AMERICAN JOURNAL OF MEDICAL GENETICS PART C-SEMINARS IN MEDICAL GENETICS*

- Riconda, D., Grubs, R. E., Campion, M. W., Cragun, D.
2018; 178 (1): 38–45
- **Experiences of Genetic Counselors Practicing in Rural Areas** *JOURNAL OF GENETIC COUNSELING*
Emmet, M., Stein, Q., Thorpe, E., Campion, M.
2018; 27 (1): 140–54
 - **Mid-career faculty development in academic medicine: How does it impact faculty and institutional vitality?** *The journal of faculty development*
Campion, M. W., Bhasin, R. M., Beaudette, D. J., Shann, M. H., Benjamin, E. J.
2016; 30 (3): 49–64
 - **Emerging Genetic Counselor Roles within the Biotechnology and Pharmaceutical Industries: as Industry Interest Grows in Rare Genetic Disorders, How are Genetic Counselors Joining the Discussion?** *Journal of genetic counseling*
Field, T., Brewster, S. J., Towne, M., Campion, M. W.
2016; 25 (4): 708–19
 - **Confirmed versus suspected: The social significance of a genetic or non-genetic diagnosis of mitochondrial disease.** *Mitochondrion*
Krieg, E., Calderwood, L., Campion, M., Krepkovich, K. E.
2016; 28: 60–6
 - **Acceptability and feasibility of a virtual counselor (VICKY) to collect family health histories** *GENETICS IN MEDICINE*
Wang, C., Bickmore, T., Bowen, D. J., Norkunas, T., Campion, M., Cabral, H., Winter, M., Paasche-Orlow, M.
2015; 17 (10): 822–830
 - **NSGC Practice Guideline: Prenatal Screening and Diagnostic Testing Options for Chromosome Aneuploidy** *JOURNAL OF GENETIC COUNSELING*
Wilson, K. L., Czerwinski, J. L., Hoskovec, J. M., Noblin, S. J., Sullivan, C. M., Harbison, A., Campion, M. W., Devary, K., Devers, P., Singletary, C. N.
2013; 22 (1): 4–15
 - **Zen and the Art of Program Development** *JOURNAL OF GENETIC COUNSELING*
Campion, M.
2012; 21 (2): 179–180
 - **Transition to the Clinical Doctorate: Attitudes of the Genetic Counseling Training Program Directors in North America** *JOURNAL OF GENETIC COUNSELING*
Stuenkel, A. J., Campion, M., Allain, D., Hampel, H.
2012; 21 (1): 136–149