Kelly Mack

Vice President and Executive Director, Project Kaleidoscope, Office of Undergraduate Science Education (PKAL/STEM), AAC&U

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Dr. Kelly Mack is the Vice President for Undergraduate STEM Education and Executive Director of Project Kaleidoscope, a non-profit organization focusing on undergraduate STEM education reform, at the Association of American Colleges and Universities (AAC&U). Prior to joining AAC&U, Dr. Mack was the Senior Program Director for the National Science Foundation (NSF) ADVANCE Program while on loan from the University of Maryland Eastern Shore (UMES) where, as a Professor of Biology, she taught courses in Physiology and Endocrinology for 17 years.

During her tenure at NSF, Dr. Mack managed an annual budget of approximately $17 million, facilitated the inclusion of issues targeting women of color into the national discourse on gender equity in the STEM disciplines and significantly increased the participation of predominantly undergraduate institutions, community colleges and minority serving institutions in the ADVANCE portfolio.

At UMES, Dr. Mack served in many capacities including Biology Program Director where she was responsible for providing leadership and strategic vision for the intellectual, educational, and professional development of biology majors and for the coordination of faculty in providing quality instruction, research, and development activities. She also served as Principal Investigator, Director or Co-Director for externally funded projects that totaled over $12 million dollars, including the UMES ADVANCE Program, which focused on issues related to African

American women faculty in the STEM disciplines and led to the initiation of several institution-wide practices to promote the professional development of all faculty.

Dr. Mack earned the BS degree in Biology from UMES and, later, the PhD degree from Howard University in Physiology. She has had extensive training and experience in the area of cancer research with her research efforts focusing primarily on the use of novel antitumor agents in breast tumor cells. Most recently, her research focus has involved the use of bioflavonoids in the regulation of estrogen receptor positive (ER+) and estrogen receptor negative (ER-) breast tumor cell proliferation.

Dr. Mack has served as a member of the Board of Governors for the National Council on Undergraduate Research and is a current member of the National Institutes of Health Review Subcommittee for Training, Workforce Development and Diversity. She also recently completed a brief stint as Executive Secretary for the NSF Committee on Equal Opportunities in Science and Engineering, which is the Congressionally mandated advisory body that focuses on efforts to broaden the participation of underrepresented groups in the STEM disciplines.

Areas of Expertise:
Broadening Participation in Higher Education, STEM Undergraduate Education, Faculty Development, STEM Gender Equity, Intersectionality, Institutional Transformation

Mica Estrada

Dr. Mica Estrada received her Ph.D. (1997) in Social Psychology from Harvard University and now is an Assistant Professor in the Department of Social and Behavioral Sciences and the Institute of Health and Aging at the University of California, San Francisco (UCSF). Her research program focuses on social influence, including the study of identity, values,

forgiveness, well-being, and integrative education. Currently she is engaged in several longitudinal studies, which involve the implementation and assessment of interventions aimed to increase underrepresented minority student persistence in Science, Technology, Engineering and Mathematics careers (funded by NIH, NSF, and HHMI). With the NSF Climate Change Education grant, she directs an interdisciplinary team, to provide learning opportunities to San Diego leaders about the changing climate.

Dr. Estrada's scholarly work has had two areas of emphasis. First, her work is theory driven. Specifically, she assess how educational interventions result in greater integration into a community and increased engagement in the normative behaviors of that community. She utilizes the Tripartite Integration Model of Social Influence (TIMSI; Estrada et al., 2011) to inform the design of educational interventions as well as form the basis of evaluation and research used to assess if and why educational interventions work (or do not work). Second, Dr. Estrada's work focuses on ethnic populations that are historically underrepresented in higher education, most vulnerable to the impacts of climate change, and have the potential to provide diverse and creative solutions to the pressing challenges of our day. As a leading scholar on issues of diversity and inclusion, she is currently serving on a National Research Council Committee.

John Matsui, Director & Co-Founder

I grew up in a low-income household in the flats of West Berkeley. Like myself, all of my friends came from families in which no one had gone to college. And the expectation was

that neither would we. Today, I am here at UC Berkeley because of the help of caring mentors and a lot of hard work.

The reason I chose to start BSP is captured by the phrase “professional is personal” – where my personal background and experiences have driven what I have done professionally. As Director and co-Founder of BSP my commitment is to make biology at Berkeley accessible to all students with an interest. Through the BSP, my goal is to "level the playing field" for individuals who, like myself, do not fit the historical profile of success and to help them become leaders in their future science-related careers. For more than 26 years, I have learned from over 3,500 program members how Berkeley can better train and support its undergraduate students in biology.