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What's missing in STEM education?

Complementing technical skills with confidence and harnessing a sense of belonging.

Date: Thursday, September 14th, 2017

Location: Rosenau Hall 228

Do you feel isolated, unsure, or overwhelmed in STEM? Join our panel and workshop to gain:

- tools for overcoming belonging uncertainty from experienced STEM leaders and professionals; and
- techniques to help boost confidence in yourself and your work.

2:00 pm: Panel discussion followed by Q&A



Dr. Nylander-French, Professor, Department of Environmental Sciences and Engineering

Dr. Jaye Cable, Chair, Curriculum in Environment and Ecology & Professor, Department of Marine Sciences



Dave DeVito, Clinical Social Worker, Counseling and Psychological Services (CAPs)

Dr. Stephanie Devane-Johnson, Research Collaborator, School of Nursing



Peter Metzner, President of Dynamic Change Inc., Board Certified Coach and motivational speaker

3:00 pm: Break for refreshments!

3:30 pm: Workshop led by Dynamic Change Inc.

Panelist Bios:

Dr. Nylander-French, Professor, Department of Environmental Sciences and Engineering

Leena Nylander-French, PhD, CIH, is Professor of Occupational and Environmental Health in the Department of Environmental Sciences and Engineering (ESE) studying the effects on inhalation and skin exposures to toxic compounds on human health. She joined the ESE faculty as an assistant professor in 1997 after working as an Industrial Hygienist and Research Scientist at the National Institute of Occupational Health both in Finland and Sweden. She has conducted occupational and environmental exposure and epidemiology studies in collaboration with researchers in the US, Finland, Sweden, United Arab Emirates, and lately in Rwanda, Africa. She teaches industrial hygiene and biological monitoring and serves as the Chair of the Conflict of Interest Committee. She also served as the Chair of the Appointments and Promotions Committee at the Gillings School of Global Public Health the past two years.

During her tenure at UNC-CH, Dr. Nylander-French has mentored undergraduate and graduate students, postdoctoral fellows, and junior faculty. Her mentoring style encompasses interdisciplinary and international perspectives to foster and encourage students and junior faculty to achieve their utmost potential both academically and personally. Changes in our work environment have drastically transformed the conventional roles of workers, including academics. These changes have created a milieu where the feeling of belonging can be obscured. An open and honest discussion while providing coping tools focused on belonging uncertainty can greatly advance the wellbeing, improve self-awareness, creative abilities, and performance of our students and faculty.

Dr. Jaye Cable, Chair, Curriculum in Environment and Ecology & Professor, Department of Marine Sciences

Dr. Jaye Cable is a geochemist whose research is conducted primarily at the land-sea interface. Her work focuses on groundwater discharge to the ocean, (bio)geochemical transformations and fluxes associated with coastal aquifer interactions with the ocean, wetland hydrology, and carbon sequestration in salt marshes. Her expertise is in the application of naturally occurring radionuclides as tracers for environmental processes, including groundwater fluxes, sediment accretion, and hyporheic exchange. She is involved in advancing the role of women in STEM fields at UNC-Chapel Hill and in the Triangle, a mentor-advisor to graduate students in both marine sciences and ecology, and a tireless advocate for undergraduate environmental students at UNC.

Dave DeVito, Clinical Social Worker, Counseling and Psychological Services (CAPs)

Mr. Dave DeVito is a Clinical Social Worker and a Road to Resilience Coordinator at Counseling and Psychological Services. Originally from Orange County, CA, Dave received his Bachelor of Arts (B.A.) in English from Duke University and his Master's of Social Work at the University of North Carolina in Chapel Hill. Dave has an interest in a wide range of presenting concerns and populations (including couples). He has more extensive experience working with students who are contending with symptoms of depression and anxiety, have experienced loss, or are facing a challenging transition in their life. Dave's therapy work is influenced by post-structural therapies including solution focused and narrative therapy.

Dr. Stephanie Devane-Johnson, Research Collaborator, School of Nursing

Dr. Stephanie Devane-Johnson is a native of the research Triangle Area and has practiced as a Certified Nurse Midwife for 20 years. She received her Bachelors of Science Degree in Nursing from the University of North Carolina at Charlotte in 1993. In 1997 she received a Masters of Science Degree in Nursing and Certification in Nurse-Midwifery from Vanderbilt University. Most recently, Stephanie received her PhD in Nursing from UNC-Chapel Hill May 2016. Stephanie's research interest is breastfeeding in the African American community. More specifically, the impact socio-historical influences have on infant feeding decisions. Stephanie is on the Board of Directors for the "Pathway 2 Breastfeeding" program. A community initiative that aims to increase peer counselors and lactation consults of color. Currently, Stephanie is a Consulting Associate at Duke University in the School of Nursing and works part time as a Certified Nurse Midwife in Greensboro, N.C.

Peter Metzner, President of Dynamic Change Inc., Board Certified Coach and motivational speaker

Mr. Metzner is a Professional and Board Certified Coach and Peopemap Trainer. He is the President and founder of Dynamic Change, Inc. He has facilitated hundreds of team development and training programs and coached scores of executives from city government, federal agencies, universities, hospitals, colleges, schools, non-profits, associations, as well as professional offices and businesses. Before founding Dynamic Change Inc., he was employed by the Center for Creative Leadership, helping customize executive development and training programs for major businesses and corporations. He also taught Psychology at Vance-Granville Community College until May of 2016. Currently he facilitates seminars on Leadership and High Performing Teams at UNC Chapel Hill & Charlotte as well as Duke University Medical Center. He is also an adjunct Instructor for the Institute for Life Coach Training. Mr. Peter Metzner's focus includes: transformational leadership, helping individuals and organizations align to purpose, meaning, authenticity and intentional results. Through cutting edge programs and experiential seminars, Mr. Metzner offers: intact team and leadership development programs, interpersonal skill building and the psychology of peak performance. Along with customized one-on-one

coaching, Mr. Metzner's approach focuses on clients creating self-reinforcing and sustainable positive movement leading towards personal and professional breakthroughs and sustainable organizational effectiveness.