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Dr. Julie Noyes is a veterinarian and educational psychologist working to integrate evidence-based practices in teaching and learning into the field of veterinary medicine. As a veterinarian, Dr. Noyes has worked with a range of species including small animals, exotics, and small ruminants in primary, emergency, and specialty private and university practices. Her enjoyment of mentoring and teaching as a clinician turned into a passion which inspired her to learn about evidence-based teaching practices. Soon after diving into the medical education literature, she realized that there was a paucity of empirically founded research in foundational theories of teaching and learning applied to the veterinary profession. Within this gap, Dr. Noyes recognized a tremendous need for the profession and decided to dedicate her career to learning about the most current, evidence-based pedagogical techniques and bringing that information back to the veterinary field to elevate the profession to the highest standards of educational practices. In light of this work, she has been invited as a member of the organizing board for the proposed American College of Veterinary Medical Educators (ACVME).

Dr. Noyes has pursued multiple graduate degrees including a doctorate in educational psychology with a focus on developing evidence-based instructional technology resources as a part of a multimodal pedagogical strategy and blended delivery format to develop clinical, cognitive and professional skills in veterinary education. Her dissertation included a meta-analysis to synthesize the existing literature on simulation training thereby providing evidence to guide policy and curricular design in veterinary education. This research also included an empirical study of an anesthesia simulation system that she co-developed with faculty at Washington State University by implementing deliberate practice principles and mastery standard milestones for effective clinical training and assessment.

As the Director of Education at Vetbloom, Dr. Noyes led the company's learning service to develop competency-based courses and curricula for professional and academic programs. She also co-led the Veterinary Learning Credential Network Alliance that seeks to create a blockchain based digital credential framework for competency-based learning. This work included modeling the competency development strategy by mapping the competency-based frameworks onto DVM and technician curricula as well as professional development courses. She has developed a series of resources to guide members of the credentialing ecosystem in the earning, issuing, and consumption of credentials on the blockchain. Dr. Noyes was a governance representative for the veterinary profession in the Global Learning Credential Network and is a member of the Open Skills Network as a governance, policy, and technology working group participant.

As a veterinary education specialist, Dr. Noyes worked with the Consortium on Workplace-Based Education & Learning (COWBEL); an international organization of veterinary colleges that utilize the distributive or community-based workplace education model for their programs. She was involved in guiding the initial development of a novel competency-based curriculum intended to provide clinical educators associated with veterinary colleges throughout the globe with the training they need to sustain

an effective, meaningful, and enjoyable career as veterinary instructors. Dr. Noyes has also been the Director of Education and Research at WholeLogic® Inc. where she designed DVM, veterinary student, and technician competency-based simulation curricula for private and academic training programs.

In addition to this work, Dr. Noyes maintains a rigorous scholarly portfolio. She has been an adjunct professor designing competency-based instruction and research for simulation-based approaches to clinical skill development. Dr. Noyes has many publications in both human and veterinary education peer-reviewed journals, has co-authored a chapter in a human medical education book focused on what can be learned from simulation-based education in veterinary medicine. She presents at multiple human and veterinary education conferences annually including presenting at the International Association of Medical Science Educators and conducting workshops at IVECCS and AAHA's Connexity for training with hybrid, computer-based anesthesia simulation. She has received multiple honors in medical education research including the Excellence in Research Award and the Distinguished Scholars Exemplary Research Award from the American Educational Research Association. She has been involved in writing multiple successful grants and was chosen to train in the National Science Foundation's Innovation Corps program.

Dr. Noyes thoroughly enjoys working with a diverse assortment of organizations and flourishes in a liaison role where she can strive to find creative solutions by identifying the strengths of organizations and ideating on how strategic collaborations with ecosystem-first approaches can help solve challenges for the veterinary profession. She currently lives in Fort Collins, CO with her husband Josh, 2 year old son Oliver.