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The acquisition and application of biochemistry and nutrition knowledge to clinical problems are critical for health professions training, yet the current landscape of medical education challenges basic science educators to teach their content within increasingly compressed frameworks. Addressing this calls for development of effective pedagogies to demonstrate the clinical relevance of this content for curricular integration/reinforcement and, ultimately, for improving patient health care outcomes.



Research Interests

- Innovations in health professions education for integration of foundational sciences
- Nutrition-based education and research for health professional students and faculty

Current Projects

Association of Biochemistry Educators (ABE) Collaborations

- Clinical Biochemistry Thread Map linking common clinical presentations to their underlying biochemistry
- Clinical Biochemistry Learning Objectives for bridging pre-clerkship and clerkship training
- Advanced Biochemistry *Scholar RX Bricks* on Inborn Errors of Metabolism

Carle Illinois College of Medicine

- Innovations in Problem-Based Learning
- Health Innovation Pathway Grant on Nutritional Anemias

Interest Areas for Collaboration/Future Work

Dr. Yodh is interested in working with nutrition-based experts to develop educational programming and/or research projects to implement in conjunction with Carle Illinois College of Medicine. Potential opportunities for collaboration include electives, interprofessional education, team- and problem-based learning, patient simulations, service learning, faculty development, proposals for certifications, and research grants.

Keywords

Medical and interprofessional education, active learning, basic science integration, personalized nutrition, patient education