

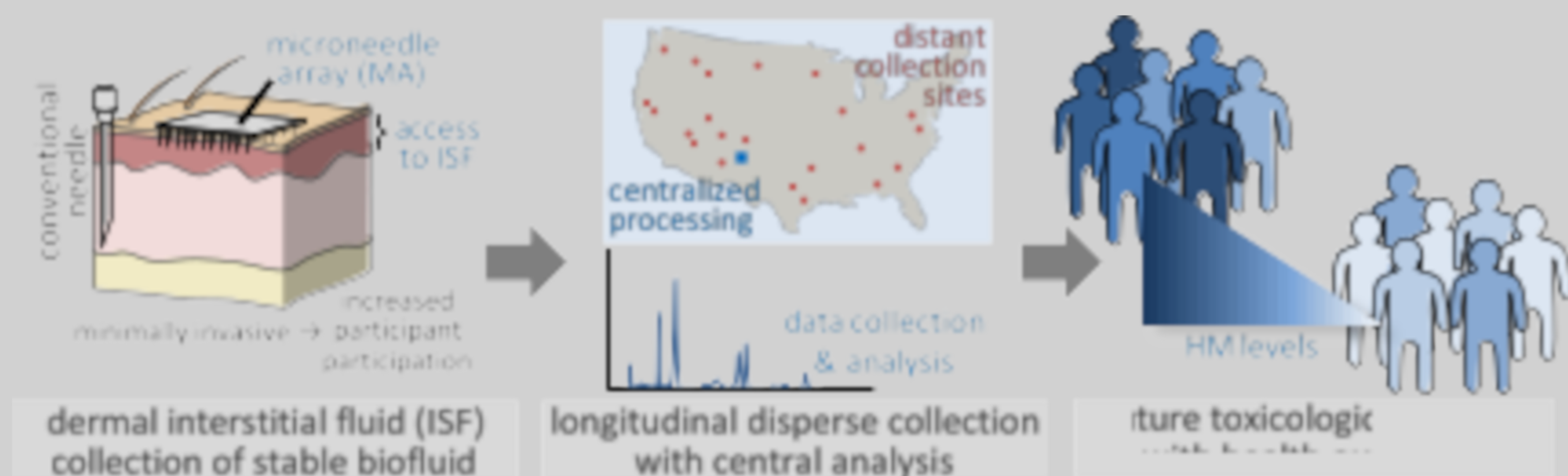


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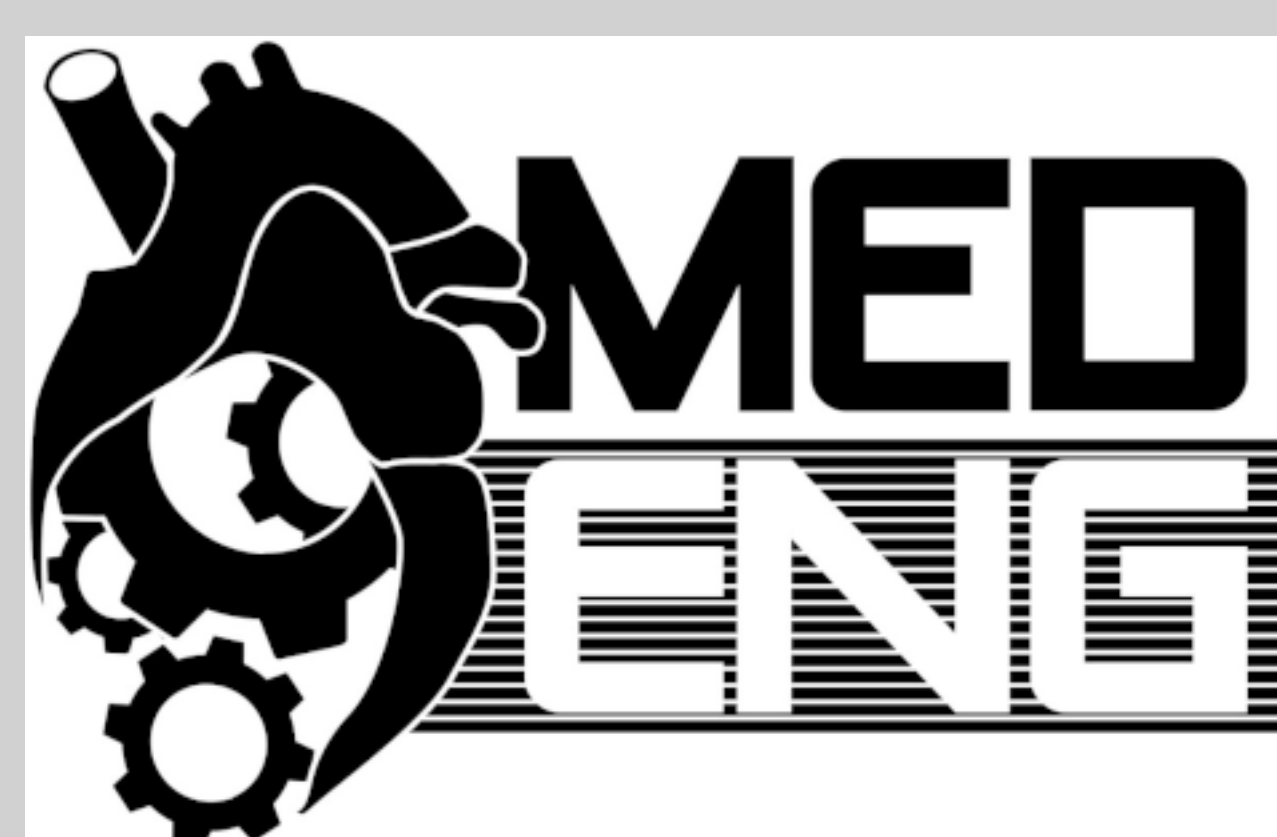
SEMINARIO DEL MASDTER DE ESTRUCTURAS Y MÁSTER DE MEDICINA TRASLACIONAL

TRANSLATIONAL REASEARCH AT POINT OF CARE



Dr. Justin BACA

**Associate Professor of Emergency Medicine with a
joint appointment in Chemical and Biological
Engineering at the University of New Mexico**



Día : **Viernes 7 de octubre 2022**

Hora : **11:30h**

Lugar : **Aula 110**

ETS Ingeniería de Caminos, Canales y Puertos

Campus Fuentenueva

Universidad de Granada

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TRANSLATIONAL RESEARCH AT THE POINT OF CARE

Translational research at the point of care seeks to bring new diagnostics, therapies, and educational approaches to the clinical setting where medical decisions are made, and treatment is provided. Emergency medicine is a field where initial medical care must often be provided without complete information or definitive diagnosis. As such, it is one of the fields in medicine that can benefit most from rapid diagnostic tests that do not require a central laboratory or expensive equipment. Point-of-care research can also bring advanced testing capabilities into rural communities and homes. Successful translational research in this setting requires collaboration between engineers, scientists, and physicians. In this presentation, we will discuss strategies for interdisciplinary collaboration in point-of-care research. We will describe recent and ongoing projects including minimally invasive microneedle-based sampling and breath testing. |

Dr. JUSTIN BACA



Justin Baca, MD, PhD, is a physician scientist who develops new analytical methods and point-of-care tests. His work spans the translational research spectrum from device development through clinical trials. He is a tenured Associate Professor of Emergency Medicine with a joint appointment in Chemical and Biological Engineering at the University of New Mexico. He holds an AB in Chemistry and Physics from Harvard College, and trained at the University of Pittsburgh, earning his MD and PhD in Chemistry. He completed a residency in Emergency Medicine at Mass General and Brigham and Women's hospitals, and is board certified in Emergency Medicine. He is also a Translational Science fellow at the University of New Mexico's Clinical and Translational Science Center (CTSC). Dr. Baca directs the UNM MD/PhD program, and was recently appointed director of the UNM Masters of Science in Clinical Research (MSCR) program.

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