



# UC Davis Research to Advance Connected and Community Health Equity (ReACH Equity) Program Overview

## BETTY IRENE MOORE SCHOOL OF NURSING

Prepared by  
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&  
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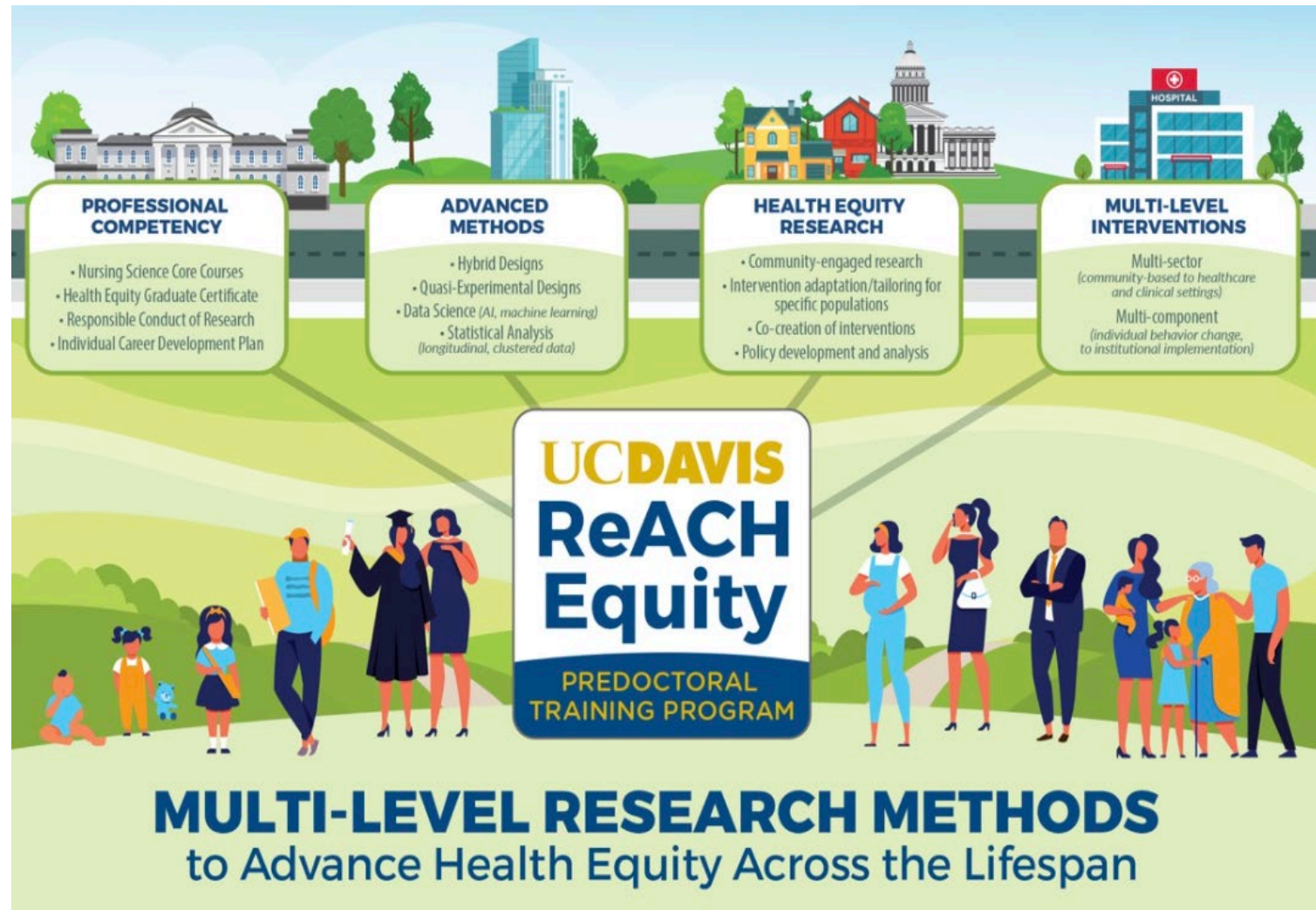


# Program Goal

Leverage UC Davis'

- Scientific strengths
- Proximity to the CA state legislature
- Varied historically and presently marginalized communities it serves
- Robust community partnerships

To provide provide a rich training environment for a diverse group of trainees to solve the nation's pressing health problems and persistent health challenges.

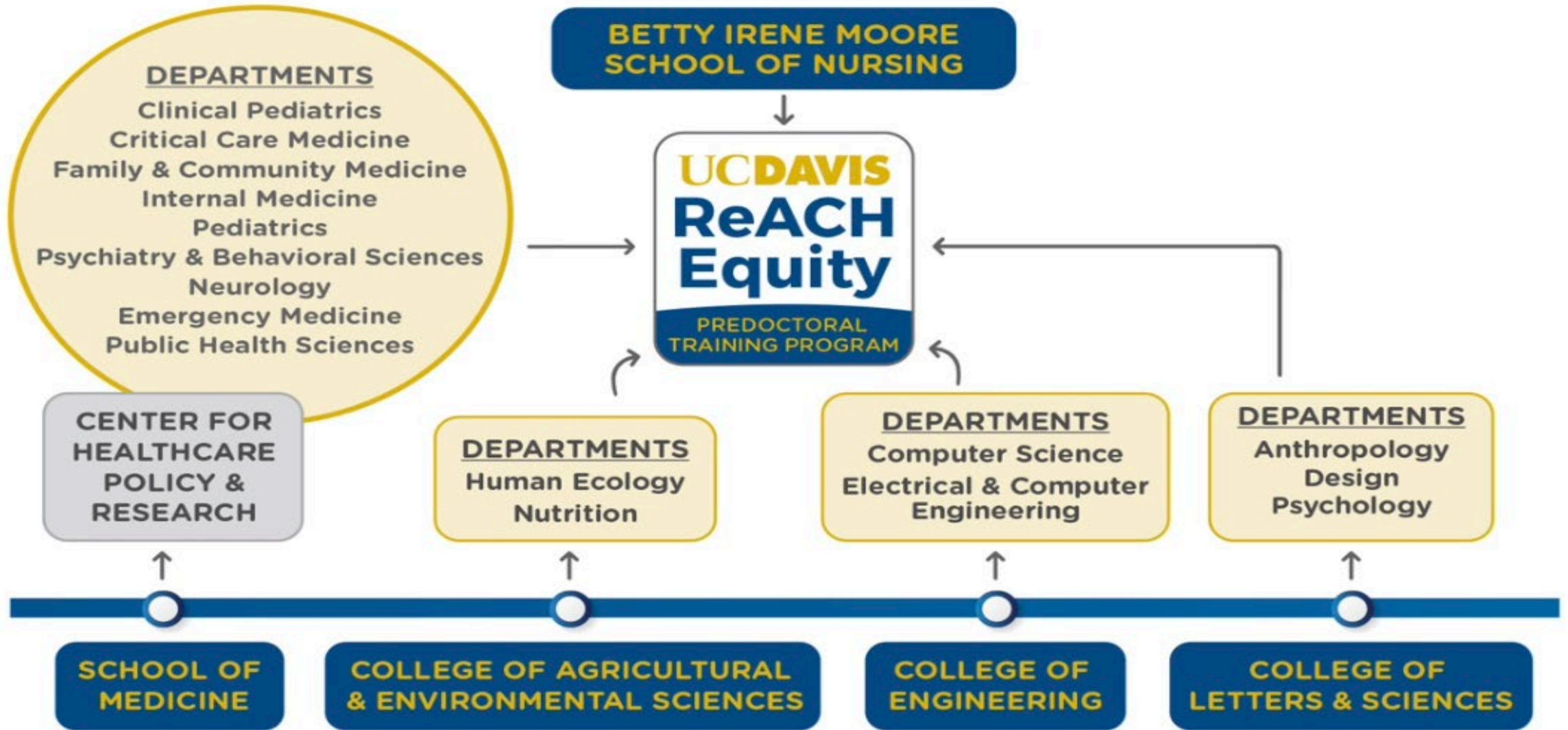


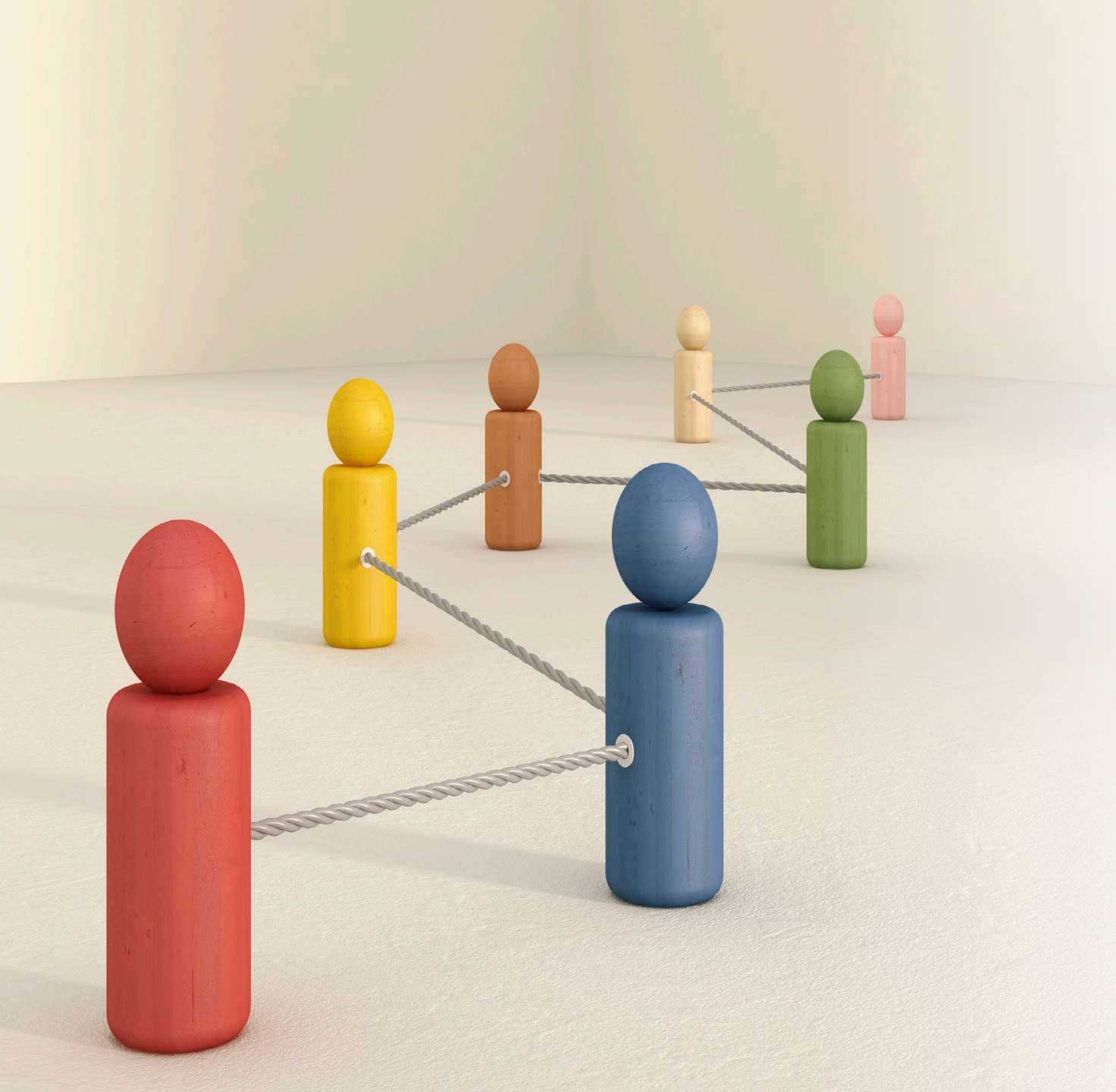
# Program Objectives

1. Recruit and retain a diverse group of predoctoral trainees who conduct rigorous, innovative, equity-focused research in prevention science and population health.
2. Empower ReACH Equity trainees to make informed decisions about the breadth of research-focused career paths, including academia, public policy, and industry.
3. Educate trainees in multidisciplinary approaches to equity-focused prevention science and population health



# Participating Programs and Faculty





# Why ReACH?

- Health inequities result from a complex interplay of factors.
- Solutions require multiple perspectives and methodologies.
- Learning to work in multi- and interdisciplinary teams is an essential part of research training to address these challenges.
- There is a growing need for experts who can take a holistic, contextualized approach to optimize health.
- The ReACH Equity predoctoral T32 fills this need.

# Program Co-Director Dr. Leigh Ann Simmons

Dr. Simmons is a queer, seasoned behavioral scientist focused on advancing diversity, equity, and inclusion through scholarship, mentoring, teaching, and leadership.

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She is a tenured Professor of Nursing, Director of the Health Equity Across the Lifespan (HEAL) Lab, and Co-Director of the Perinatal Origins of Disparities Center.

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The overarching aim of Dr. Simmons' research is to promote population health equity through innovations in prevention and public health science to mitigate chronic disease risk among vulnerable, medically underserved, and historically marginalized populations using a life course lens.





# Program Co-Director Dr. Courtney Lyles

Dr. Lyles is a health services researcher and nationally recognized expert in digital health equity, leveraging the use of implementation science and pragmatic approaches (at the community, clinic, and system levels).

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She is a tenured Professor in the Department of Public Health Sciences at UC Davis SOM, and the Director of the UC Davis Center for Healthcare Policy and Research.

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Dr. Lyles previously spent almost 12 years in the Departments of Medicine and Epidemiology in the UCSF SOM and was core faculty in the UCSF Center for Vulnerable Populations and co-director of the UCSF CTSI Innovation in Research and Informatics core.

# Research Training

- Aims to prepare scholars to progress towards their own multidisciplinary.
- Will provide trainees with first-hand experience in applying their newly acquired skills to a real-world problem.
- Trainees will work with their primary mentors and a multidisciplinary mentorship team.
- Scholars can gain research experience in numerous foci, including behavioral science, implementation science, digital health, quasi-experimental methods, community-engaged research, health economics, and biostatistics.





# Program Training Content

- Includes **didactic**, **experiential**, and **combination** modalities
- **12-16 hours of coursework** to complete the PhD
  - Advanced methods courses
  - Required cognate focus in health equity → graduate certificate in Advancing Health Equity.
- Other components include
  - Career development basics
  - Developing an individual career development plan
  - F-workshop and writing course
  - Training in the responsible conduct of research
  - Weekly SON and CHPR seminars
  - Newly co-developed monthly workshops
  - Bimonthly director's luncheon.
- ***Students are limited to 10 hours per week of work above and beyond the fellowship.***



Table B. ReACH Equity T32 Curricular and Training Activities			PROFESSIONAL COMPETENCE	HEALTH EQUITY	ADVANCED METHODS	MULT-LEVEL INTERVENTIONS
Didactic (blue) Experiential (red) Combination (orange)						
Required Coursework for PhD in Nursing Science & Healthcare Leadership	Core Courses (63 quarter units)	Philosophy of Science (NRS 208AY), Quantitative Design and Data Collection (NRS 200AY), Quantitative Research Methods (NRS 200BY), Applied Quantitative Analysis (NRS 200CY), Introduction to Qualitative Design (NRS 207AY), Intermediate Qualitative Research Methods (NRS 207BY), Advanced Qualitative Research Methods (NRS 207CY), Research Methods in Health Informatics (NRS 209Y), Improving Patient & Population Health (NRS 353V)	✓	✓	✓	✓
	Methods Courses (18 quarter units)	Choice of Computational Social Science designated emphasis or Feminist Theory and Research designated emphasis. ( <b>See description under didactic training.</b> ) Courses in implementation science (EPI 298 offered by Dr Lyles), Principles and Methods of Comparative Effectiveness Research (CER 100), and Clinical Research Implementation (CLH 216).		✓	✓	✓
	Cognate: Advancing Health Equity Graduate Certificate (9 quarter units)	Students receive foundational knowledge around health equity including standards and expectations, political determinants of health and health equity, an understanding of race and health in the U.S., and the application of these principles into real-world practice. principles into real-world practice. Political Determinants of Health & Health Equity (NRS 309V), Race & Health in the United States (NRS 310V), and Trauma Informed Practice (NRS 311V).		✓	✓	
	Central Valley Bus Tour (2 days)	Overnight bus tour and mobile learning lab down Highway 99 in California. Participants stop and learn at community centers, health organizations, and historical sites.	✓	✓		
Existing Workshops Relevant to ReACH Equity T32	Individual Career Development Plan (IDP) (minimum 2 hours per year)	Required for all trainees with semi-annual follow-up meetings with the program Director linked to the Director's Luncheon (see B.5 Training Program Evaluation). A ReACH Equity T32-specific IDP will be developed.	✓			
	Mentor Mirror (minimum 2 hours per year)	Every T32 trainee will mentor a research student. Trainees will complete the "Mentor Mirror" ( <b>Appendix B</b> ), which outlines a reverse IDP for mentors-in-training to plan how they will promote professional development in their mentees.	✓			
	GradPathways (minimum 10 hours per year; writing workshops required)	Professional development program offering a variety of workshops, seminars, and panel discussions for graduate students and postdoctoral scholars. Topics include presentation skills, teaching & mentoring, writing & publishing, leadership & management, career exploration, job searching & networking skills.	✓			

	<b>Frontiers of University Training to Unlock the Research Enterprise (FUTURE) Program (minimum 8 hours per year)</b>	Frontiers of University Training to Unlock the Research Enterprise (FUTURE) Program was initially funded as a first-generation NIH Director's Broadening Experiences in Scientific Training (BEST) award and has become a permanent feature of the CTSC. The FUTURE program helps predoctoral students explore the diverse array of career options available and develop their professional skills.	✓			
	<b>F-Workshop and CTSC Writing Component (~1 hour per week annualized)</b>	A 12-week F-writing workshop offered by the Cancer Research Training and Education Coordination Program to develop an individual fellowship application; additionally required writing course (CHL201) offered by the CTSC.	✓			
	<b>Seminar Series Symposia SON and CHPR (1-2 hours per week)</b>	The SON and CHPR offer existing seminars/colloquia on a weekly basis. Scholars will be required to attend at least one seminar per week.		✓	✓	✓
	<b>Responsible Conduct of Research (RCR) (3 quarter units + 15 hours per year)</b>	The Ethics of Research (CLH 204) + CTSC required RCR trainings + completion of CITI Training for biomedical research.	✓			
<b>ReACH Equity Essentials</b>	<b>Collaborative Workshops (18 hours per year)</b>	Newly co-designed workshops among SON, CHPR CTSC, and the Feminist Research Institute to include 9 monthly meetings (3 two-hour meetings per academic quarter in the first two years) organized in six modules: 1) Primer in health disparities and inequities prevention intervention design 2) Research with HMCs; 3) Advanced pragmatic intervention evaluation; 4) Engaging community stakeholders in research design, implementation, analysis, and dissemination; and 5) Advanced observational research methods; 6) Methods for enhancing dissemination and reproducibility		✓	✓	✓
	<b>Directors' Luncheon (7.5 hours per year)</b>	Bimonthly lunch of the trainees with Directors and additional mentors to include: 1) Chalkboard presentations by trainees with direct feedback; 2) open discussion to obtain feedback and develop ideas for retreats and fieldtrip targets, communicate policies of our T32 and general NIH T32 policies (e.g., payback policy, pertinent RCR issues, human subjects, etc.); 3) publication clinic to help strategically plan publications, productively assemble manuscripts, and steer them through the peer review process.	✓	✓	✓	✓
	<b>Annual Retreat (6 hours per year)</b>	Will include talks from trainees, an external keynote speaker, a career workshop led by the keynote speaker, speed mentoring session, and networking lunch. Planned attendance of 30-50. Retreats will be held in dedicated facilities on the UC Davis campus.	✓	✓	✓	✓

# Program Trainee Selection Process

## Application

- 1) One-page description of proposed doctoral research and how it aligns with ReACH Equity
- 2) List of 2-3 potential mentors with a brief rationale for selecting those individuals
- 3) One-page Statement of Contributions to Diversity, Equity, and Inclusion
- 4) Names of three references

