Wei Perng, PhD MPH

ASSISTANT PROFESSOR OF EPIDEMIOLOGY | COLORADO SCHOOL OF PUBLIC HEALTH
ASSOCIATE DIRECTOR OF THE LEAD CENTER | UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS

3RD YEAR KL2 SCHOLAR

Wei.Perng@CUAnschutz.edu

@_whichwei @Center_LEAD

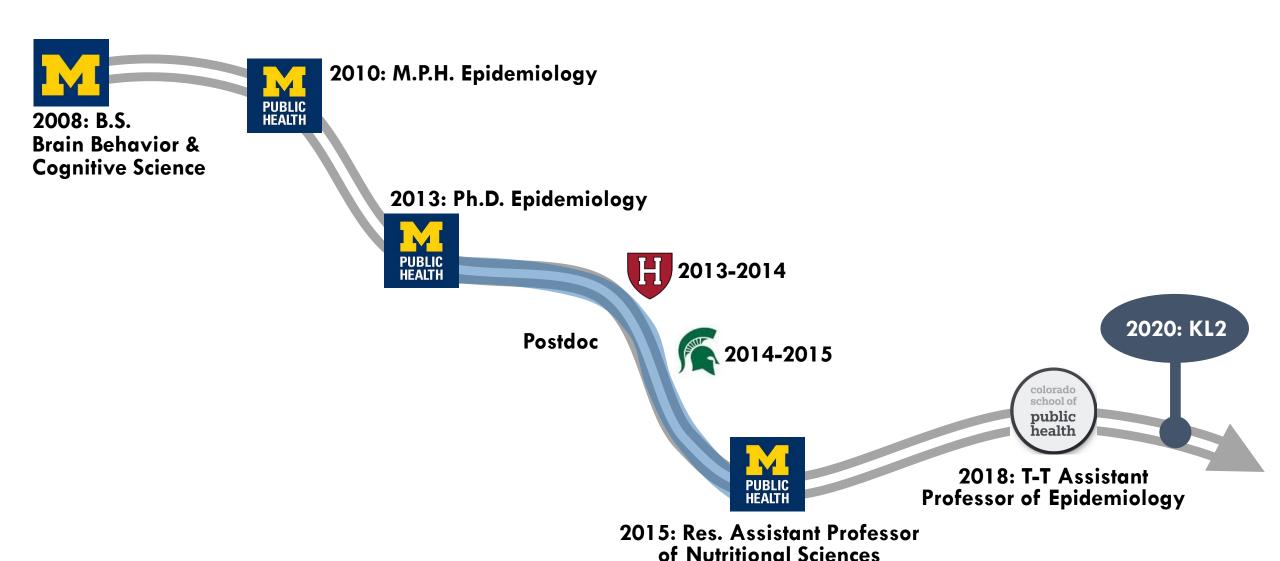




ABOUT ME

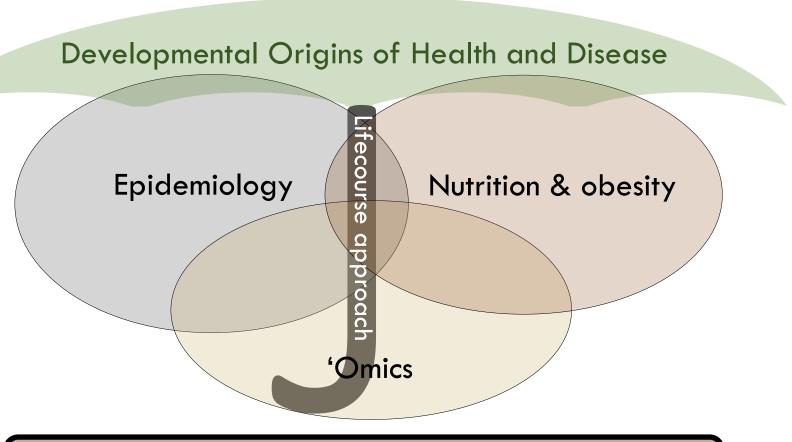
Career trajectory

Research program



ABOUT ME

Career trajectory Research program

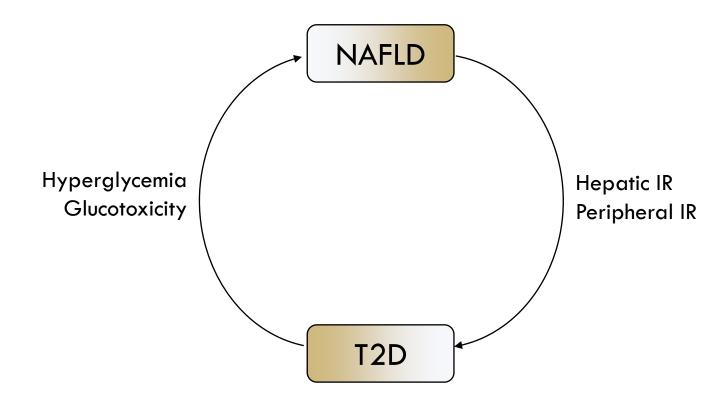


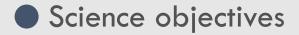
When and how can we most effectively intervene on development of metabolic disease?

Science objectives

Career goals

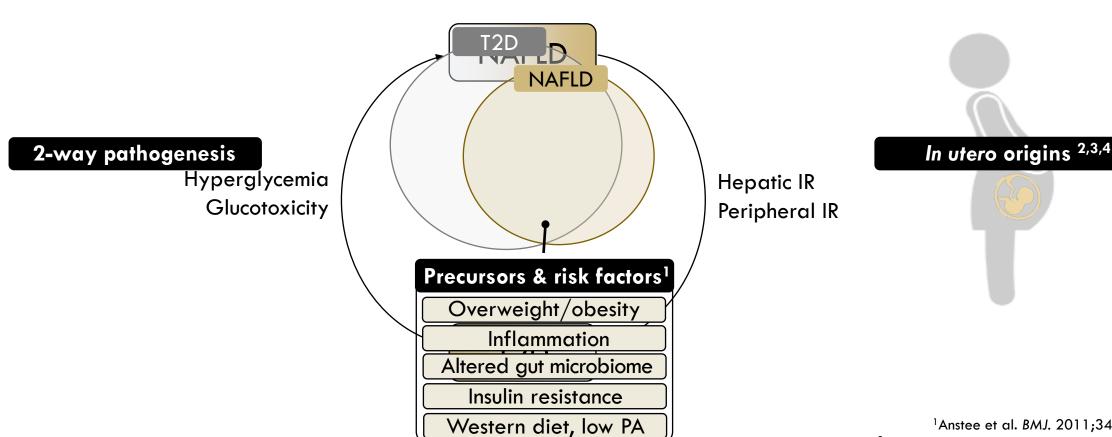
Non-alcoholic fatty liver disease (NAFLD) & type 2 diabetes (T2D) in youth: **Two-way pathogenesis**





Career goals

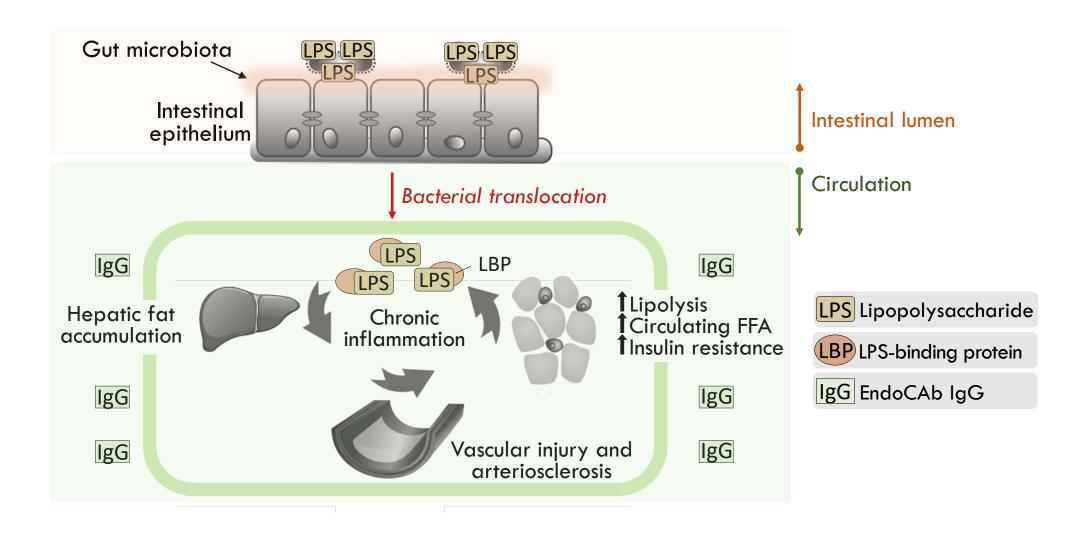
Two-way pathogenesis with shared risk factors¹ and shared origins^{2,3}



¹Anstee et al. *BMJ*. 2011;343:d3897 ²Cohen CC et al. *Pediatr Obes* 2022; e12902 ³Dabelea et al. *Diabetes* 2000; 49:2208 ⁴Perng et al. *Diabetologia* 2019; 62(10):1779-1788 Science objectives

Career goals

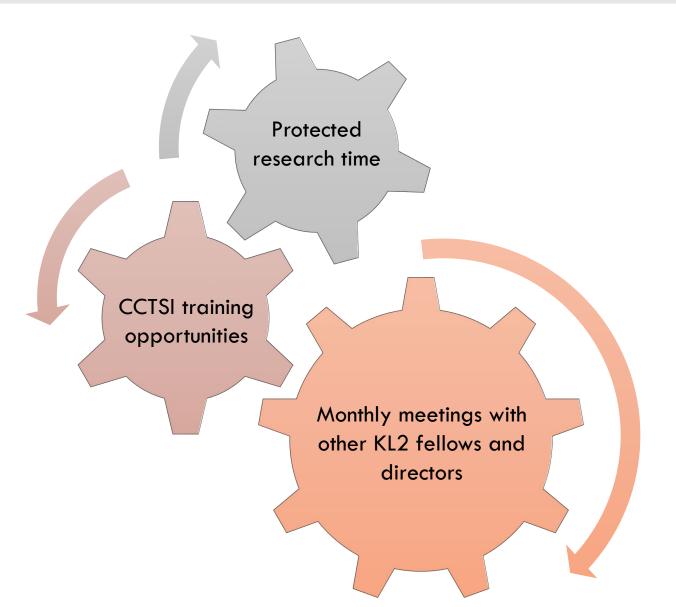
Metabolic endotoxemia: a shared mechanism



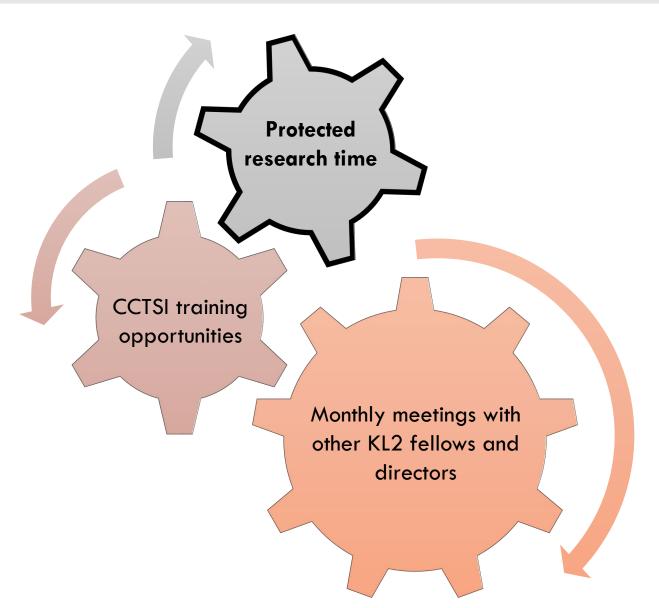
Science objectives Career goals

	Short-term goals (1-<3 years): □Continue leading research and publishing on early origins of excess adiposity and cardiometabolic risk
	☐Maintain teaching and mentorship
0	Mid-term goals (3-<5 years):
	□Obtain major extramural funding as PI – i.e., R01 equivalent □Tenure & promotion
	Long-term goals (5+ years):
	□Lead an extramurally-funded and internationally-recognized research program □Develop a training program on lifecourse epidemiology

KL2



KL2



KL2

How the KL2 helped me reach my objectives & goals

• Short-term goals (1-<3 years):				
□Continue leading research and publishing on early origins of excess adiposity and cardiometabolic risk □Maintain teaching and mentorship track record				
• Mid-term goals (3-<5 years):				

Protected research time and data generated by my KL2 allowed me to:

- ✓ Publish 16 first author and 12 senior author papers
- ✓ Submit 4-6 extramural grants per year
 - KL2 data = preliminary results
- ✓ Leverage KL2 data and methods developed as training opportunities:
 - Postdoc submitted + received a K99/R00 in 2021

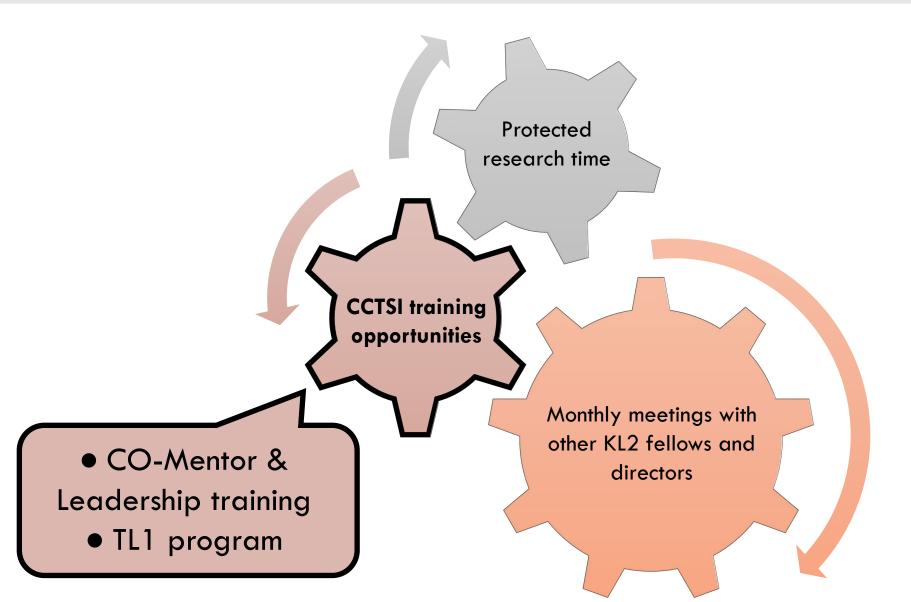
KL2

How the KL2 helped me reach my objectives & goals

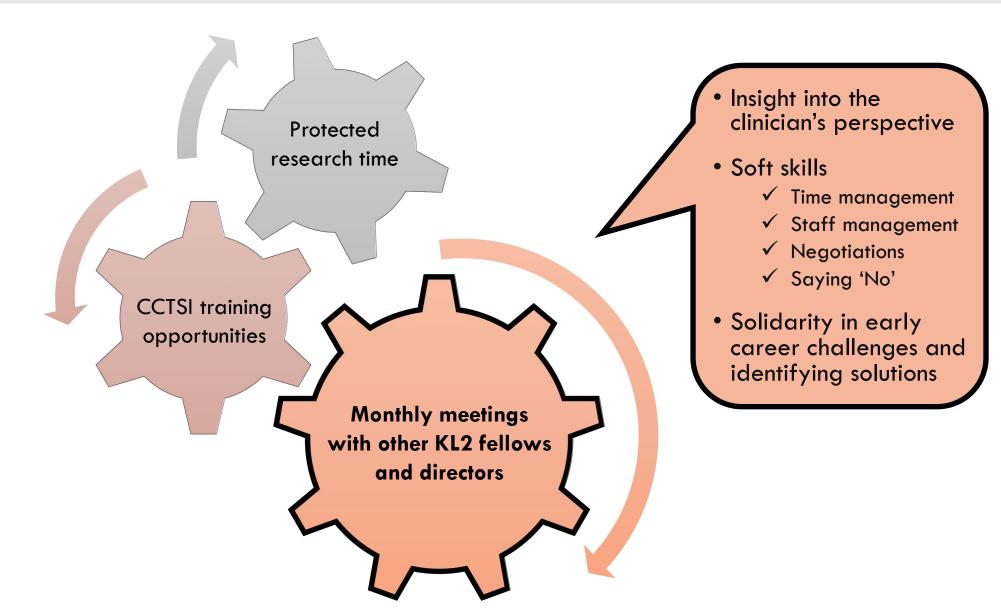
 Short-term goals (1-<3 years): □Continue leading research and publishing papers on early origins of excess adiposity and cardiometabolic risk □Maintain teaching and mentorship track record 			
• Mid-term goals (3-<5 years): □Obtain major extramural grant funding as PI — i.e., RO1 equivalent □Tenure & promotion			
• Long-to ✓ Funded awards: • ADA ICTSA Precision Medicine Award (2022 – 2026) • ABNexus grant to incorporate gut microbiome			

P.O. notification of funding for NIDDK U01 (2023 − 2029)
 ✓ T&P dossier under review

KL2



KL2



Thank you

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