

# MMI 291 Seminar Series

Current Theme: Interdisciplinary Research  
Spring Quarter 2019 – CRN 81239



**Friday Seminar – 12:10-1 p.m.**

**“Impact of diet on the microbiome and metabolome”**

The focus of Dr. Slupsky's lab is understanding the mechanistic link between food and health. Her lab uses a multi-omics approach combined with microbial ecology in human subjects and animal models to understand how food and specific components of food impact the microbiome and ultimately health.

## Publication references

Slupsky CM, He X, Hernell O, Andersson Y, Rudolph C, Lönnerdal B, West CE (2017) “Postprandial response of breast-fed infants and infants fed lactose-free vs regular infant formula – unexpected metabolic effects on amino acid metabolism. A randomized controlled trial” *Sci Rep* 7(1) 3640. 2017 Jun 16. [PubMed]

McClorry S, Zavaleta N, Llanos A, Casapia M, Lonnerdal B, Slupsky C.

Anemia in infancy is associated with alterations in systemic metabolism and microbial structure and function in a sex-specific manner: an observational study. 2018 Dec 1; 008(6):1238-1248. Doi. 10.1093/ajcn/nqy249.

He X, Parenti M, Grip T, Domellof M, Lonnerdal B, Hernell O, Slupsky CM. Metabolic phenotype of breast-fed infants, and infants fed standard formula or bovine MFGM-supplemented formula: a randomized controlled trial. *Sci Rep*. 2019 Jan 23;9(1):339. doi: 10.1038/s41598-018-36292-5.

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**Carolyn Slupsky, Ph.D.**  
Professor

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Technology  
UC Davis

**May 24, 2019**  
**12:10 – 1 p.m.**  
**GBSF 1005**

Medical Microbiology  
& Immunology  
School of Medicine

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