

General publications on HMOs and breast milk

- Andreas, NJ** et al. (2015) Early Hum Dev 91(11):629-35 [Human breast milk: A review on its composition and bioactivity](#)
- Bode, L.**, (2012) Glycobiology, Sep;22(9):1147-62 [Human milk oligosaccharides: every baby needs a sugar mama](#)
- Coppa, G. V.**, et al. (1999) Acta Paediatr Suppl Aug;88(430):89 [Oligosaccharides in human milk during different phases of lactation](#)
- Goehring, K. C.**, et al. (2014) PLoS One Jul 7;9(7) [Direct evidence for the presence of human milk oligosaccharides in the circulation of breastfed infants](#)
- Hennet T.**, et al (2016), Trends Biochem Sci 41(6):508-18 [Breastfed at Tiffany's](#)
- Hennet, T.**, et al. (2014) Swiss Med Weekly Feb 19;144 [Decoding breast milk oligosaccharides](#)
- Jantscher-Krenn, E.**, et al. (2012) Minerva Pediatrica Feb;64(1):83 [Human milk oligosaccharides and their potential benefits for the breast-fed neonate](#)
- Kunz, C.**, (2012) Adv Nutr vol. 3: 430S [Historical aspects of human milk oligosaccharides](#)
- Newburg, D. S.** (2013) Biochemistry, Vol. 78, No. 7 [Glycobiology of human milk](#)
- Rudloff, S.**, et al. (2012) Advances in Nutrition [Milk oligosaccharides and metabolism in infants](#)
- Thurl, S.**, et al. (2017) Nutr Rev. Nov 1;75(11):920 [Systematic review of the concentrations of oligosaccharides in human milk](#)
- Urashima, T.**, et al. (2012) Adv Nutr May 1;3(3):473S [The predominance of type I oligosaccharides is a feature specific to human breast milk](#)

Preclinical safety studies

- Coulet, M.** et al (2014), Regul Toxicol Pharmacol. Feb;68(1):59-69 [Pre-clinical safety evaluation of the synthetic human milk, nature-identical, oligosaccharide 2'-O-Fucosyllactose \(2'FL\).](#)
- Coulet M.** et al(2013), Food Chem Toxicol. Dec;62:528 [Pre-clinical safety assessment of the synthetic human milk, nature-identical, oligosaccharide Lacto-N-neotetraose \(LNnT\).](#)
- Hanlon, PR**, et al (2014), Food Chem Toxicol. Dec;74:343-8 [A 3-week pre-clinical study of 2'-fucosyllactose in farm piglets.](#)

Clinical studies

- Elison E** et al (2016) Br J Nutr Oct;116(8):1356-1368 [Oral supplementation of healthy adults with 2'-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.](#)
- Goehring K.C** et al (2016) J Nutr. Dec; 146 (12): 2559 [Similar to Those Who Are Breastfed, Infants Fed a Formula Containing 2'-Fucosyllactose Have Lower Inflammatory Cytokines in a Randomized Controlled trial](#)
- Marriage BJ** (2015) J Pediatr Gastroenterol Nutr. Dec; 61 (6): 649 [Infants Fed a Lower Calorie Formula With 2'FL Show Growth and 2'FL Uptake Like Breast-Fed Infants.](#)
- Puccio, G**, et al (2017), J Pediatr Gastroenterol Nutr. 2017 Apr;64(4):624 [Effects of Infant Formula With Human Milk Oligosaccharides on Growth and Morbidity: A Randomized Multicenter Trial.](#)

Application and mechanism focussed publications

- Bienenstock, J.** et al. (2013) PLoS One Oct 2;8(10): [Fucosylated but not sialylated milk oligosaccharides diminish colon motor contractions](#)
- Bode, L.**, (2012) Glycobiology, Sep;22(9):1147-62 [Human milk oligosaccharides: every baby needs a sugar mama](#)
- Bode, L**, (2015), Early Hum Dev. Nov;91(11):619 [The functional biology of human milk oligosaccharides.](#)
- Caplan, MS**, et al (2017), Nat Rev Gastroenterol Hepatol. Jul; 14 (7): 394 [Paediatrics: Are human milk oligosaccharides the magic bullet for necrotizing enterocolitis?](#)
- Craft KM**, et al (2017), ACS Infect Dis. 2017 Nov 15 [The Human Milk Glycome as a Defense Against Infectious Diseases: Rationale, Challenges, and Opportunities.](#)
- Donovan, SM** (2017) J Nutr. Sep;147 (9): 1605 [Human Milk Oligosaccharides: Potent Weapons in the Battle against Rotavirus Infection.](#)
- Hamilton, MK**, et al (2017) Am J Physiol Gastrointest Liver Physiol. May 1; 312(5): G474 [Prebiotic milk oligosaccharides prevent development of obese phenotype, impairment of gut permeability, and microbial dysbiosis in high fat-fed mice.](#)
- He, Y**, et al, (2016), Adv Nutr. Jan 15;7(1):102 [Human Milk Components Modulate Toll-Like Receptor-Mediated Inflammation.](#)
- Jeong, K** et al (2012), BMB Rep. Aug;45(8):433 [Human milk oligosaccharides: the novel modulator of intestinal microbiota.](#)

- Kulinich, A**, et al (2016), Carbohydr Res. [Human milk oligosaccharides: The role in the fine-tuning of innate immune responses.](#)
Sep 2;432:62
- Oliveros, P**, et al, (2016) J Nutr Biochem. [Oral supplementation of 2'-fucosyllactose during lactation improves memory and learning in rats.](#)
May;31:20
- Pacheco AR**, et al (2015), Annu Rev Anim Biosci.;3:419 [The impact of the milk glycomiome on the neonate gut microbiota.](#)
- Seppo, AE**, et al, (2017), J Allergy Clin Immunol. Feb;139(2):708 [Human milk oligosaccharides and development of cow's milk allergy in infants.](#)
- Thongaram T**, et al(2017), J Dairy Sci. [Human milk oligosaccharide consumption by probiotic and human-associated bifidobacteria and lactobacilli.](#)
Oct; 100 (10): 7825
- Vazquez, E**, et al (2016) PLoS One. Nov 16;11(11) [Dietary 2'-Fucosyllactose Enhances Operant Conditioning and Long-Term Potentiation via Gut-Brain Communication through the Vagus Nerve in Rodents.](#)