

STRONG CHILDREN'S RESEARCH CENTER
Summer 20 19 Research Scholar

Name: Madina Jumabaeva

School: University of Rochester

Mentor: Kirsi Jarvinen -Seppo, MD, PhD

ABSTRACT

Title:

Comparison of Infant Fecal Bifidobacterium spp. and Bifidobacterium longum subsp. infantis Proportions Between Cohorts at High and Low Risk for Allergy

Background:

Interest in the infant gut microbiome has recently come of age as these early colonizers help set the stage for proper host immune system development. Gut microbiome diversity is considered to be important for priming the infants' mucosal and systemic immunity. The prevalence of food allergies among children under the age of 18 has greatly increased by 18% from 1997 to 2007^{1,2}. However, fewer than 1% of the Old Order Mennonites (OOM) in Penn Yan, the Yates County

