Karl Mårild (date of birth 1982) received a M.D. degree in 2007 from Lunds University and did his internship at Örebro University Hospital. He started his training as pediatrician in 2009 in Örebro and is currently working at Astrid Lindgrens Children’s Hospital in Stockholm. The research for this doctoral thesis was started in 2008 under the tutortship of associate professor Jonas F Ludvigsson.

Celiac disease is an immune-mediated enteropathy induced by dietary gluten. Celiac disease is prevalent in some 1 % of the general population. In recent decades there has been a marked increase in celiac disease prevalence that may be influenced by environmental risk factors. This doctoral thesis explores possible risk factors and associated disorders of celiac disease through Swedish population-based registers and a regional cohort study. The findings support the hypothesis that certain environmental risk factors, such as mode of delivery, but possibly not early psychological stress, influence the risk of celiac disease. This thesis also found an increased risk of hospital admission for influenza in individuals with celiac disease and a highly increased risk of celiac disease in individuals with Down syndrome.