

Celiac Disease Genomic, Environmental, Microbiome and Metabolomic Study

55 Fruit Street (Jackson 14) • Attn: CDGEMM Study • Boston, MA 02114

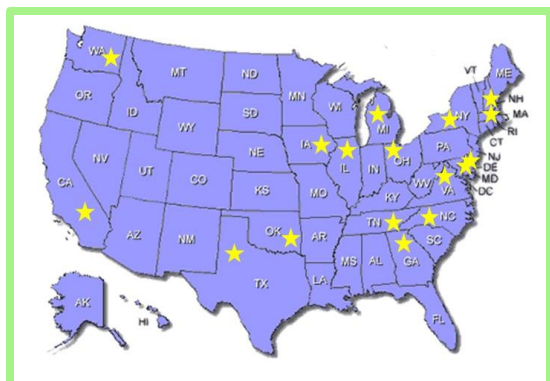
Do you or a member of your family have celiac disease? Are you interested in understanding your child's risk of developing celiac disease, and monitoring their antibody levels throughout childhood? It's easier than ever to be a GEMM!

The CDGEMM study enrolls infants who have a first degree-relative (mother, father, sibling) diagnosed with celiac disease. Children are tested for celiac disease auto-antibodies every six months throughout the study. Genetic testing is also performed, informing you of whether or not your child carries celiac-compatible genes. More than ever, GEMMs are participating conveniently from their own homes and local doctor's offices.

CDGEMM by the Numbers

Since the US kick-off of CDGEMM, we have:

- ☑ Enrolled **38 children**
- ☑ Celebrated **16 first birthdays**
- ☑ Conducted **42 celiac antibody tests**
- ☑ Noticed that **96% of GEMMs conduct blood draws locally** with their child's pediatrician



CDGEMM Across the Globe

We're excited to share that GEMMs are continuing to emerge all over the United States and Italy. From the map below, you can see that we have recently spread to Washington, North Carolina, California and Tennessee - among others. We're looking forward to continuing to spread the word and uncovering GEMMs all over the United States.

Ciao Bella! Recruitment in Italy, with its extensive network of celiac patients and care providers, is projected to skyrocket in the coming year. Our Italian centers are gearing up to recruit many more GEMMs this season, with 5 already enrolled at centers in Rome, Bologna, Bari and Cava de' Tirreni. Additional centers in Milan, Ancona and a second center in Rome have obtained all of their necessary approvals and are anxiously awaiting their first enrollees.

This summer, Dr. Maureen Leonard toured our facility in Salerno that will serve as CDGEMM's coordinating Italian center. During this time, she met with Dr. Francesco Valitutti, the Italian study and recruitment coordinator, Dr. Tania Huedo-Medina, the team's bio statistician, and many other members of the CDGEMM Team based in Italy. Thankfully, some of these meetings were able to take place over fresh gluten free pasta... **delizioso!**



CDGEMM in the News

A recent announcement from the **National Foundation for Celiac Awareness (NFCA)** helped to put out some great information about CDGEMM. The original story, published in 2014, was re-circulated in an email announcement to include new NFCA subscribers. The article includes great quotes from Dr. Alessio Fasano and MGHfC's Dr. Ronald Kleinman that highlight the importance of a large-scale, observational study like CDGEMM. You can read the full article [here](#).

Live from the **International Coeliac Disease Symposium in Prague, Czech Republic**: (well, perhaps not *live*). Dr. Maureen Leonard presented “CDGEMM Study Design: A Multi-Omic Approach to Uncover Factors Contributing to the Development of Celiac Disease” at the International symposium in June. Dr. Leonard also collaborated with our team’s biostatistician, Dr. Tania Huedo-Medina, to present “Autoimmunity in a High Risk Group: Building a Family-Based Model of Autoimmune Disease” at the symposium.

Standby for our team’s **first scientific publication** of the CDGEMM Study – which is coming soon! In our paper, we will discuss the design of the CDGEMM Study and why our approach has the potential to pave the way for the future of personalized medicine.

What GEMMs are Saying

Here is a tidbit about **participating in CDGEMM** from a parent of a current participant:

“It feels good to know we are helping study Celiac Disease. Participating is very easy, and provides worthwhile information about CD.”

Parents and practitioners alike are encouraged to anonymously submit their comments, criticisms and praise [here](#) for a chance to be featured in our next newsletter!

Keep up with CDGEMM

Don't forget that we are still recruiting GEMMs! Be sure to visit www.CDGEMM.org for more information about the study. There are also plenty of other ways to keep up with CDGEMM:

Visit: www.celiaccenter.org

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