

“I am a scientist investigating the role of the microbiome in the development of wheezy breathing and asthma. We all have lots and lots of species of bacteria and other microbes, such as fungi, living in our noses and lungs. Many of them help to keep us healthy but sometimes they can cause infections. I am doing experiments to try and understand the interactions between microbes and the immune system in the airways and the lungs of young children. I am able to find out about the different species of microbes present in samples by sequencing their DNA. This leads to lots and lots of data so I spend much of my time crunching numbers and analysing them using statistics. I am convinced that the Breathing Together research will shed light on this important aspect of how asthma develops.”



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