

A SCIENTIST just like me



Dr Yogesh Kumar
Applications Scientist

A SCIENTIST just like me

Hi there! I am Yogesh Kumar – An applications scientist



Where do I work?

I work in a company called Helena Biosciences in the Northeast of England.

What did I like doing when I was at school?

I have loved science, particularly chemistry, since I was a young boy because chemistry has a solution for everything.

What do I like doing in my spare time?

I love to spend time with my family. I like cooking and making delicious Indian food in my spare time. I also love travelling and long drives.

A SCIENTIST JUST LIKE ME

What do I do as an applications scientist?



My work involves developing methods and tests to investigate the proteins in patients' blood, urine, stools (poo!) and saliva.

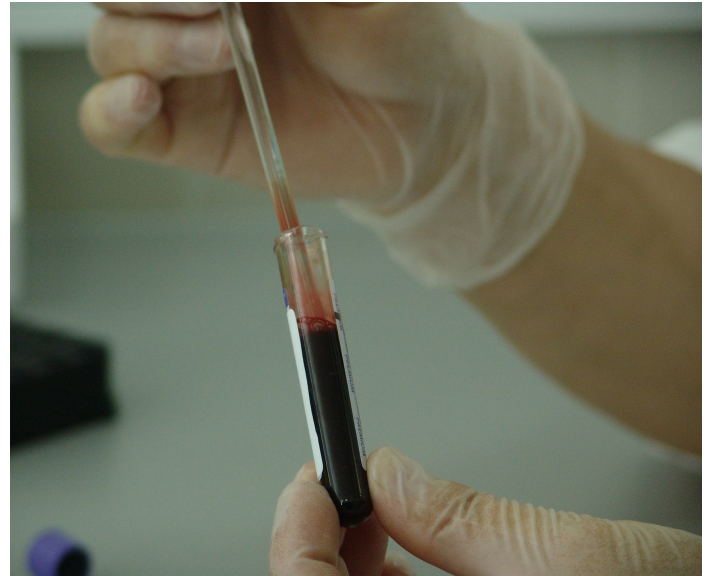
How does what I do make the world a better place?

The methods and tests that I develop are used in medical laboratories and hospitals to tell us which patients have diseases such as Thalassaemia, Sickle cell disease, Cancer, Alzheimer's and Parkinson's disease. They are also used in forensic labs to find out more about samples taken from a crime scene.

A SCIENTIST just like me

What I like about my job

I love my job because I am doing something that has a positive impact on society. I feel very happy and fulfilled. It's amazing to discover new things. It's fun to satisfy your curiosity. It's wonderful to think through a puzzle.



Challenges I have faced

My entire life has been a big challenge for me. I never thought I would or could become a scientist. I was an average student in my school, college and university. I had to work hard, and I made sure I accessed many types of opportunity that I found out about or was offered.

A SCIENTIST just like me

If you want to be an applications scientist, you need:

- ✱ **a logical and independent mind** to work out if what you hear, see and believe is true
- ✱ **patience and determination** to keep working when you are not sure when or whether you will find an answer
- ✱ **teamwork skills** to help achieve a shared goal or outcome, and so you all benefit from each other's discoveries



A SCIENTIST just like me

Discussion time

- ✦ Would you like to be an applications scientist like Dr Yogesh Kumar?

Why? Why not?



- ✦ What skills and interests do you already have that would help you become an applications scientist?
- ✦ What new skills and knowledge would you need to develop?

A SCIENTIST JUST LIKE ME

Free supporting resources for applications science

I bet you didn't know... articles use cutting-edge science research as a context for learning. Teacher Guides describing the research and activities and investigations for children can be used as classroom presentations. See:

- Blood tests could detect cancers

Created by the Primary Science Teaching Trust

