

A SCIENTIST JUST LIKE ME



Dr Gülin Güler-Gane
Protein Biochemist

A SCIENTIST JUST LIKE ME

Hi there! I am Dr Gülin Güler-Gane – A protein biochemist



Where do I work?

I work in the Biologics Engineering Department in AstraZeneca. I work in the Oncology Department where we develop cancer medicines to help to improve patients' lives.

What did I like doing when I was at school?

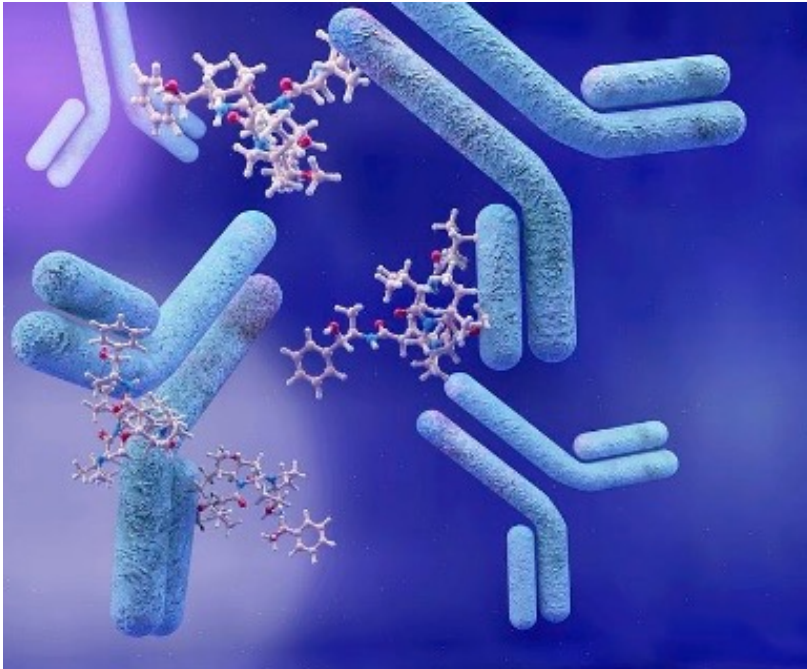
I really liked reading books. I was very curious about bugs, so I asked my parents to buy me a microscope and started studying bugs.

What do I like doing in my spare time?

I love spending time with family. I also love exercise, running and playing tennis. My favourite TV show is Strictly Come Dancing.

A SCIENTIST JUST LIKE ME

What do I do as a protein biochemist?



I study proteins. I use human or mouse cells to make human proteins. We use these proteins to separate out particular blood proteins (antibodies) from our antibody libraries, which we think could eventually become an antibody drug for a disease.

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

My research helps to discover life changing medicines and helps millions of patients around the world.

A SCIENTIST just like me

What I like about my job

I love solving problems in science. It is very exciting when you face a challenge and you can come up with a solution. I can design substances that one day may become a medicine.



Challenges I have faced

I grew up in a country where the resources were limited for doing innovative, cutting-edge science. So I worked hard to achieve a bursary to study abroad where I found amazing opportunities to interact with many clever scientists and to access the best equipment.

A SCIENTIST just like me

If you want to be a protein biochemist, you need:

- ✳ **to be interested in DNA and proteins**
- ✳ **to be curious** and ask lots of questions until you find the right answer so you can help the other scientists who are working in the same field
- ✳ **to like working with different machines, equipment and lots and lots of chemicals.** The laboratory is a fascinating place where you can make so many different solutions to help your research.



A SCIENTIST just like me

Discussion time

- ✳️ Would you like to be a protein biochemist like Dr Gülin Güler-Gane ?

Why? Why not?



- ✳️ What skills and interests do you already have that would help you become a protein biochemist?
- ✳️ What new skills and knowledge would you need to develop?

A SCIENTIST JUST LIKE ME



Dr Gülin Güler-Gane is a STEM ambassador. Click [here](#) to access free STEM Ambassador support and resources.

Free supporting resources for biochemistry

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:

- Dragons could save us from bad bacteria
- Bacteria get viral infections as well
- Blood tests could detect cancers
- How to grow a new skin

Created by the Primary Science Teaching Trust

