

# CELL BIOLOGY WITH DR VERÓNICA SEGARRA

## TALKING POINTS

### KNOWLEDGE:

1. Approximately, how many cells are in the human body?
2. Approximately, how many different types of cells can be found in the human body?

### COMPREHENSION:

3. Why is baker's yeast particularly useful for the team's studies?
4. How does the team manage to follow the movement of proteins in live cells?

### APPLICATION:

5. Why it is important to learn how cells adapt to starvation and other stressful environments?
6. In what scenarios might this be beneficial for humans?

### ANALYSIS:

7. Alongside her work as a cell biologist, Verónica is clearly passionate about helping the younger generation of scientists become successful. Can you think of some reasons why this is important? In what ways might it benefit Verónica, as well as the students themselves? Can you think of anybody at your school who encourages you to learn more and follow your passions?

### EVALUATION:

8. It is staggering just how many different projects and programmes Verónica is involved in. She is to be applauded. Can you think of some of the potential challenges associated with doing so many activities? How would you overcome these challenges? If you could pick something to do alongside your career, such as an involvement in a programme, what would you pick? It doesn't have to be science related!

## ACTIVITIES YOU CAN DO AT HOME OR IN THE CLASSROOM

- Imagine you are interviewing Dr Verónica Segarra for the school magazine or website. Write a list of 10 questions you would ask her – five about her work as a cell biologist and five about the programmes she is involved with. Consider what you are trying to find out, such as her career path, motivations, how she conducts her research, or how she finds the time to do so much!
- Fast forward 20 years and imagine you are a successful researcher in your chosen career. Use this article as a template and write about your own achievements. What is the 'dream' research project you have worked on? What key information do students need to know about your field of research?

## MORE RESOURCES

### MOBILE LAB

High Point University has its very own Mobile Lab that helps make the biology and chemistry of our natural world accessible to all students throughout the community. Take a look at the website:

<http://www.highpoint.edu/community/mobilelab/>

Give them a follow on Twitter!

<https://twitter.com/HPUMobileLab>