

## Migratory Immune Cells

Did you know that certain white blood cells can move through our entire body to find and destroy dangerous pathogens? Scientists at IST Austria are investigating just how they manage to do that. You will meet a PhD student at IST Austria, whose research focuses on these so-called migratory immune cells.

- 1) To prepare for the virtual visit, please read the following article (in German) and watch the short embedded video (in English):

<https://www.derstandard.de/story/2000100774800/wie-sich-weisse-blutkoerperchen-durch-unseren-koerper-bewegen>

<https://www.youtube.com/watch?v=uKid8QmBI0I>

- 2) Think about what you just read and watched: What did you already know? What was new? What was hard to understand? What made you want to learn more?

Use this information to prepare at least two questions each (in English, if possible). You can talk about them within your group beforehand or ask the scientist directly.

Here are some examples (but feel free to come up with your own):

- What is the difference between migratory cells and those that are fixed within the body's tissues?
- What are the benefits or possible dangers of having migratory immune cells?
- How can a cell detect chemical signals without any sensory organs?
- What does the everyday routine of a PhD student look like?
- Why did the researcher choose this specific topic for her dissertation?

- 3) Zoom a Scientist

Your class will meet Nikola Canigova from IST Austria in a 20-30 minute zoom session. She will briefly tell you about her research (in English) and then answer the questions you have prepared, or those that may come up during the meeting. A moderator from IST will be present during the session and help out with any translation issues.

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