

# BEATA MIERZWA

MOLECULAR BIOLOGIST AND ARTIST  
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## PERSONAL STATEMENT

I'm Beata, and I share the beauty of science through art and fashion! I'm a scientist and I use my passion for studying how cells divide to create drawings and clothes. When I was in school, I was told I needed to choose between my two passions, and it took a very long time to realize that I can do both! So I tried a different type of experiment — I organized an art show and left an open wall for scientists to bring their own art. The next day, no one could believe the amazing artwork that filled the wall. All it took was an open space, and people were sharing their creativity, being appreciated for their diverse talents, and realizing that they were not alone. Whatever your dream is — whether it's science, art, or combining your passions — you don't need to wait for the world's permission to empower yourself and create your own path.

[Video Statement](#)

## BIOGRAPHY

Beata Edyta Mierzwa is a molecular biologist who combines science, art and fashion to share the beauty of biology with the world. Her award-winning PhD research at the Institute of Molecular Biotechnology revealed that the final step in cell division works differently than people thought! Now, working at the Ludwig Institute for Cancer Research at UCSD, she studies how different types of cells divide to broaden the world's understanding of cell division and improve cancer therapy. When not doing experiments, Beata creates science art and fashion. Her drawings portray scientific concepts in intuitive ways, while her science fashion celebrates the beauty of the tiny universe within us. Making artwork for journal covers, conferences and even space mission patches, her unique approach to science communication has been recognized by multiple awards around the world. As an AAAS IF/TTHEN Ambassador, Beata's mission is to combine art and science to inspire creative and unconventional minds who will change the world with innovative research and groundbreaking discoveries.

## SEGMENT PITCHES

### Science Fashion — Making Nerdy Stylish!

Inside your body right now countless cells are dividing. In fact, all life depends on it!

This process is not only important, but also visually stunning. That is why Beata Mierzwa, molecular biologist at the Ludwig Institute for Cancer Research at UCSD, has created her very own science-themed fashion line featuring cell division and other amazing biological beauty!

Beata's clothing uses real photos of cells taken under the microscope to highlight how stunning the world inside us is, and share these mesmerizing images with the world. "These cells are really breathtaking to look at, and ever since I first saw them under the microscope I had the desire to share these images outside the lab for everybody to appreciate." Beata recalled.

Beata uses these clothes not only as a stylish way to show off her nerdy side, but as a fun tool to communicate and teach science as well. "When I wear these clothes outside the lab people often stop to ask me what they show, and that's a great opportunity to start talking about science and spark curiosity and wonder everywhere I go!"

It's all about spreading the beauty of life and making science fashionable!"

### Science Art That 'Draws' You In

Have you ever wondered what you are made of?

Inside every one of us lies a tiny universe – a fascinating world full of wonders that makes all life possible. Even though it makes us who we are, it can be hard to picture what's actually going on in this invisible world.

This is why Dr. Beata Mierzwa, molecular biologist at the Ludwig Institute for Cancer Research at UCSD, invites you to discover biology from a new and unique angle! "My hand-drawn illustrations combine real science with elements that anybody can relate to" Beata explains. "For example, to show how our cells divide I depict hands pulling the genetic material apart, or actual scissors cutting the connection between the dividing cells".

Whether you're new to the world of science or consider yourself an expert - Beata's unique artwork will draw you into a vibrant and enchanting world full of cells, proteins and molecules. "Science is not all graphs and intimidating data" Beata points out. "I create this art so that everybody can appreciate the wonders of life and understand the exciting discoveries scientists make every day!"