



## Gonca Erdemci-Tandogan

Gonca is an Assistant Professor in the Department of Physics and Astronomy at Western University. Her research focuses on theoretical and computational biophysics with specific expertise in modelling mechanics of cells and tissues, and viruses. She received her Ph.D. in Physics from the University of California, Riverside, where she studied the physics of self-assembly of virus particles. After her Ph.D., she worked as a postdoctoral associate at Syracuse University, investigating the mechanisms underlying tissue and organ formation. She was then a postdoctoral fellow at the University of Toronto, where, in close collaborations with experimentalists, she continued to develop verifiable mathematical models and predictions to study the role of tissue mechanics on various embryonic developmental processes. Based on her contributions to the field she was selected as a Rising Star in Engineering in Health by Columbia University in 2020.

Email: [gerdemci@uwo.ca](mailto:gerdemci@uwo.ca)

Twitter: [@gonca\\_erdemci](https://twitter.com/@gonca_erdemci)

Google Scholar: [Gonca Erdemci-Tandogan](#)

