

MY RESEARCH (IN 50 WORDS OR LESS)

My research focuses on viscous flows in porous and elastic media. At the absence of inertia in viscous/creeping flows, the dynamics are unusual, therefore, my study comprises fluid-solid interaction, porosity, and moving boundaries. Prime examples of this problem is drug delivery and hydrogel applications.

KEY THEMES/ TOPICS/ SKILLS

Poroelasticity

Stokes flow

Numerical
Methods

Artificial
Microswimmers

Hydrogels

Bead and
Spring

Regularised
Stokeslets



THE BEST PART

The complexity in the problem can be challenging and demanding sometimes but I think this is the fun part of the PhD. The best part of this degree is facing with new obstacles everyday and overcome them. In addition to this, I think presenting my work in front of a group of people makes me feel that I am doing something beneficial.

THE WORST PART

I think the worst part of my PhD is living abroad. Most of the time, I enjoy this experience. However, when things start to go wrong, it can be really rough. Thanks to my friends here, it's not difficult as much as it used to be.

Poroelasticity in Stokes Flow

Berk Altunkeyik

Piscopia
initiative



UNIVERSITY OF
BIRMINGHAM

AN IMAGE TO REPRESENT MY RESEARCH

