

# Stanford

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## Shaked Regev

Ph.D. Student in Computational and Mathematical Engineering, admitted Autumn 2017

### Bio

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#### BIO

I'm interested in analytical and mathematical research, particularly with applications in biology, medicine and sustainability. My Master's thesis included both analytical and computational research of diffusion in heterogeneous media, including in biomedical systems.

#### PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Chairperson of the Board, The Modern Agriculture Foundation (2015 - present)

#### SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Co-founder and Board Member (March 2014)

#### LINKS

- My Thesis: <http://www.bgu.ac.il/~ofarago/shakedthesis.pdf>
- LinkedIn: <https://www.linkedin.com/in/shaked-regev-63632991/>

### Publications

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#### PUBLICATIONS

- **Application of underdamped Langevin dynamics simulations for the study of diffusion from a drug-eluting stent** *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*  
Regev, S., Farago, O.  
2018; 507: 231–39
- **Isothermal Langevin dynamics in systems with power-law spatially dependent friction** *PHYSICAL REVIEW E*  
Regev, S., Gronbech-Jensen, N., Farago, O.  
2016; 94 (1)