ד"ר אורי אובולסקי

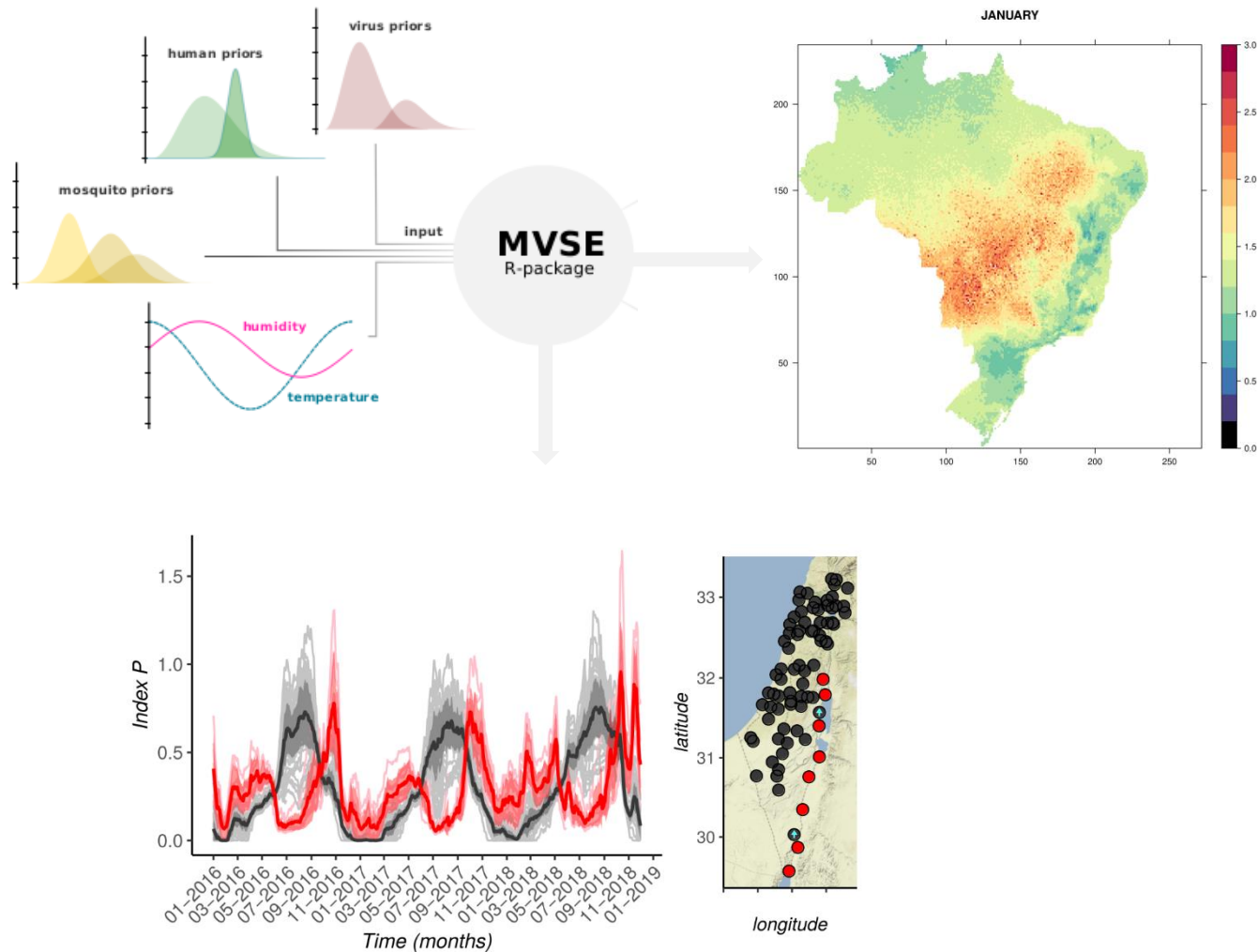uriobolski@gmail.com

בניין הקפסולה, חדר 202

Our lab uses computational tools to predict and analyze environmentally related epidemiological issues, with an emphasis on infectious diseases.

We study how mosquito borne diseases are affected by climatic conditions:

• We develop methods to predict and analyze trends of mosquito borne disease.

• We apply our models to scenarios of climate change to produce forecasts.

We also try to reduce superfluous antibiotic:

- Continuous usage of antibiotics creates resistant bacteria.
- Infections are much harder to treat.
- Natural microbiota is destroyed, de-stabilising ecological systems.
- Can we use big data and machine learning to predict which interventions will reduce antibiotic resistance?