PhD positions studying social behavior, genetics, and living-systems physics

The Goodisman Lab at the School of Biological Sciences at Georgia Tech seeks PhD students interested in studying questions at the intersection of social behavior, evolution, epigenetics, and living-systems physics. The students would study the causes and consequences of the built environment on social behavior. The built environment, constructed by collectives of individuals, has been fundamentally important to the success of biological societies. This research program investigates the link between cognition, social behavior, and the built environment in insect societies.

This is a collaborative investigation which combines expertise in genetics, insect behavior, granular media physics, epigenetics, and the dynamics of collective actions. Students would work jointly in the labs of Michael Goodisman (https://www.goodismanlab.biology.gatech.edu/), Soojin Yi (https://yilab.gatech.edu/), and Dan Goldman (https://crablab.gatech.edu/). The research program is interdisciplinary. Students will be encouraged to develop an independent dissertation direction that aligns with general research programs in the labs.

Interested students are encouraged to contact Dr. Goodisman at mg225@gatech.edu. Students with interest in any or all of the core disciplines are welcome to apply to the PhD programs in Quantitative Biosciences (https://qbios.gatech.edu/) or Biology (https://biosciences.gatech.edu/graduate/prospective-students) at Georgia Tech. Application deadline is December 15, 2020.

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