**Urban Stream Invaders: Group Activity Preparation**

For this week's group activity, you will be discussing a paper from the primary literature. Focus on the introduction, results, and discussion – don’t get bogged down in the details of the methods of the paper besides understanding basically what was done.

Link to read online: [Urbanization can increase the invasive potential of alien species.](https://besjournals.onlinelibrary.wiley.com/doi/10.1111/1365-2656.13293)

To provide more context for the study and to learn about the study's first author, Piatã Santana Marques, read this blog post: [Navigating biological invasion and structural racism in urban systems](https://animalecologyinfocus.com/2020/10/15/navigating-biological-invasion-and-structural-racism-in-urban-systems/)

This graphical abstract provides a nice overview of the study:

<https://besjournals.onlinelibrary.wiley.com/cms/asset/7c5f226e-efdf-493c-97ac-12d163e1ae55/jane13293-toc-0001-m.jpg>

As you read the paper and the blog post, you should consider the following questions:

1. What factors contribute to the success of invasive species?
2. What main hypothesis does this study test?
3. The authors made measurements of guppies and environmental variables in 4 types of environments - what were they?
4. What predictions do the authors make based on their main hypothesis?
5. What are the main findings? Do the data support all their predictions?
6. What *practical*challenges did Marques face in performing this research?
7. What *personal*challenges did Marques face in performing this research?