

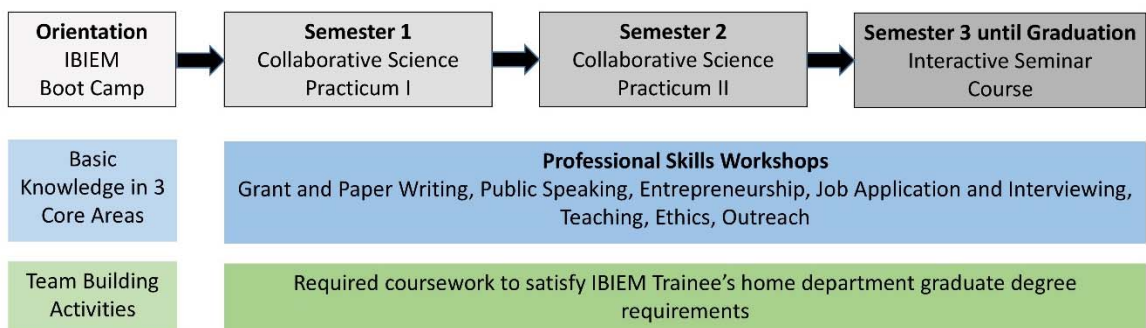


### What is IBIEM?

IBIEM is an NSF funded **interdisciplinary graduate training program** between Duke University and North Carolina A&T State University which brings together graduate researchers from various fields with an interest in **microbiome research**. Our educational model aims to transcend communication barriers between disciplines and promote team science. Graduate students in microbiology, engineering and other empirical sciences will be cross trained with theorists, model builders and computational scientists.

### What is the training process in IBIEM?

Graduate students become engaged in IBIEM from the onset of their graduate careers. IBIEM Fellows will enroll in: 1) a 2-week **Boot Camp** focused on *strengthening core-area competencies* and *teamwork development*; 2) Two consecutive **Collaborative Science Practica** where IBIEM Fellows work on *team-based projects from various sectors* and; 3) A recurring peer mentoring **Interactive Seminar Course** where IBIEM Fellows receive *continuous feedback on their graduate research*.



## What are the benefits of joining IBIEM?

As IBIEM Fellows, graduate students will be **exposed to a wide range of careers and disciplines** in the biological sciences, engineering as well as bioinformatics and biostatistics fields. During their graduate studies, IBIEM Fellows will participate in a range of **team science experiences** learning and developing cutting edge techniques for analyzing and manipulating microbiomes. In addition to their rigorous academic training, IBIEM Fellows will also participate in a range of **professional skills workshops** and be **engaged with the community** through outreach activities aimed at promoting science and engineering to the general public.

## How to Apply?

IBIEM is open to all graduate students at Duke University and North Carolina A&T State University affiliated with a research laboratory and pursuing microbiome related research. IBIEM is not a degree granting program. To be considered for entrance into IBIEM and a **12-month IBIEM Fellowship**, graduate students must have either been accepted into or currently be enrolled in a graduate program of their choice and provide the following items to Glenda Kelly (glenda.kelly@duke.edu) by **June 1<sup>st</sup>**: 1) a nomination letter from the student's prospective or current advisor and 2) a short CV (3 pages or less). *The IBIEM Selection Committee will inform students and their advisors by June 30<sup>th</sup> concerning the outcome of their application.*

Participating Units and Programs (Partial Listing)		
Department of Biology, Duke	Department of Civil and Environmental Engineering, Duke	Nicholas School of the Environment, Duke
Department of Molecular Genetics and Microbiology, Duke	Department of Electrical and Computer Engineering, Duke	Department of Chemical, Biological and Bioengineering, NC A&T
Department of Biomedical Engineering, Duke	University Program in Genomics and Genetics, Duke	Department of Biological Sciences, NC A&T
Department of Biostatistics and Bioinformatics, Duke	University Program in Ecology, Duke	Department of Computer Science, NC A&T
Department of Computer Science, Duke	Computational Biology and Bioinformatics, Duke	Joint School of Nanoscience and Nanoengineering, NC A&T
Department of Statistical Science, Duke	Program in Cell and Molecular Biology, Duke	Program in Evolutionary Anthropology, Duke

## How do I Obtain More Information?

More information is available at <http://ibiem.pratt.duke.edu> or can be obtained by contacting the following representatives.



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