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Purpose of GEBS Review

Brief overview of GEBS organizational structure (staffing)

Brief overview of external review timeline and process

Review significant findings and recommendations from external review

Draft priorities for GEBS Strategic Plan





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External Review Timeline



Graduate Education in Biomedical Sciences (GEBS) Review

Conducted March 20-22, 2017

Included the following degree programs:

- *PhD in Biomedical Sciences*
- *MS in Biomedical Research*
- *MS in Biomedical Technology*
- *MS in Clinical Research*
- *MS in Medical Science*
- *BS/MS Neuroscience*
- *Dual Degree Programs*



GEBS Review Committee

, PhD Program Director at Georgia State University

, Director of the Driskell Graduate Program in the Life Sciences,
Northwestern University Feinberg School of Medicine



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GEBS Review Process

On-Site Data Request

- *Examples of Course and Comprehensive Examination questions*
- *Examples of Course Syllabi for graduate programs*
- *Additional budget information including funding for students in graduate programs*
- *Group meetings with students, faculty, and program leadership*
- *Individual meetings with leadership and select staff members*





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GEBS Review Recommendations

- *Define learning outcomes/competencies for all programs;*
- *Reduce the focus on didactic lecture; start lab rotations earlier*
- *Rework the structure and content of Qualifying Exams*
- *Define the portfolio of electives and promote the ability of students to take electives off-site (ARCHE);*
- *Appoint a non-faculty student counselor to gather feedback from students for ongoing process improvement;*
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- *Recruit new faculty and seek collaborative opportunities with faculty at local universities to increase the number of available mentors;*



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GEBS Review Recommendations

- *MSM is to be applauded for support of GEBS administration (staffing, tuition, and stipend)*
- *Embark on a large faculty recruitment effort; 11 (on a large)-*

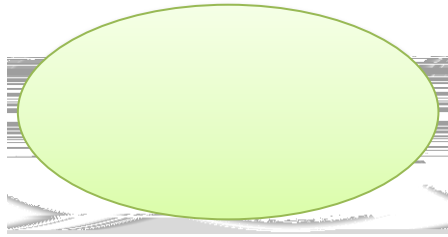


GEBS Review Recommendations

- *MSM is to be applauded for support of GEBS administration (staffing, tuition, and stipend)*
- *Embark on a large faculty recruitment effort;*
- *Encourage faculty to target a fuller range of funded opportunities;*
- *Encourage those faculty who are currently extramurally-funded to submit supplements for training students;*
- *Ensure economic viability by leveraging the potential for expanding enrollment in the MSMS and MSBT programs;*



GEBS Review Recommendations



- *More collaboration between GEBS Program Directors, staff and faculty in recruitment of applicants;*
- *Ensure that program offerings match emerging student needs and demand;*
- *Support and coordinate campus visit efforts;*
- *Strategically focus recruitment efforts on programs market;*
- *Analyze collected recruitment data, and use insights to guide/revise future recruitment efforts.*



GEBS Review Recommendations



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GEBS Review Recommendations

- 1. Create an independent MD/PhD dual-degree program within Morehouse School of Medicine***





GEBS Review Recommendations

2. Enhance the curriculum without increasing time to degree

The committee recommends:

- Get students into research labs sooner; Summer lab boot camp, earlier lab rotations;*
- Incorporate seminars, workshops, short courses, symposia and other opportunities (e.g., entrepreneurship) for independent learning;*
- Make some opportunities/courses optional, based on student needs and interests*



GEBS Review Recommendations

3. Expand the graduate student population by 20%

The committee recommends:

- *Focusing the increase on the MSMS and MSBT programs;*
- *MSBR and PhD expansion plans will require substantial investments*

4. Create a freestanding graduate school ?

- *A new graduate school with the required administrative support is not warranted at this time*
- *Reorganization of the leadership/reporting structure for GEBS may be warranted*



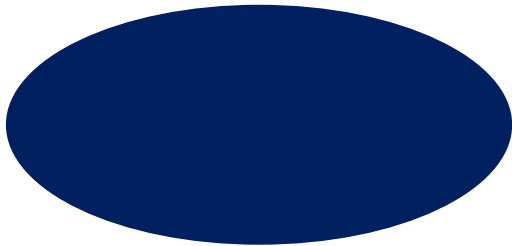


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Quality

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1. A graduate faculty well-trained, institutionally supported and extramurally funded to support biomedical science and research training
2. Portfolio of graduate training programs well-designed and supported to prepare graduates to meet projected state and national needs in biomedical research, teaching, and workforce diversity
3. State-of-the-art teaching and research facilities and equipment
4. Program operations that facilitate student progress, faculty efficacy, and program success

A graduate faculty well trained, institutionally supported and extramurally funded to support biomedical science and research training

- Increase the number of faculty with long-term research funding (i.e. R01 and R01-type grants)
- Increase the variety of research topics available to graduate students in fields appropriate to the MSM research enterprise and mission
- Enhance the training and experience of MSM research faculty in mentoring graduate students.
- Enhance the commitment of MSM research faculty to training the next generation of biomedical researchers and health professionals

State-of-the-art teaching and research facilities and equipment

- Classrooms of appropriate number, size and with appropriate equipment and furnishings to flexibly accommodate a variety of teaching modalities
- Graduate student access to research and teaching laboratories well-equipped to teach and conduct state-of-the-art biomedical research
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