



February 12, 2019

Dear former student and friend of the department,

Welcome to this edition of the Biomedical Engineering Department newsletter. Faculty and students won a number of awards during the last year, highlighting the quality of our education at the undergraduate and graduate level. Additionally, some of the research conducted in the department received a good amount of press reflecting the connection between discoveries in the lab and addressing health-care related challenges of society.

While the announcements in this newsletter focus mainly on research accomplishments and training, we are preparing for a number of significant items related to undergraduate education. For example, the Arch at Rensselaer will go into effect for all students this summer which means that we will for the first time have approximately  $\frac{1}{4}$  of the student body on campus during the summer. This will be followed by an off-campus semester for these students during Fall 2019 or Spring 2020. As this represents a significant shift from prior practices, we have been preparing for this change for the last two years by expanding offerings of courses and extracurricular activities during the summer, and by running two pilot programs in the summers of 2017 and 2018. We believe that the change provides our students with a broader experience than can be gained from just being on campus.

Aside from this initiative a number of other news items from the last six months are given below:

- Research News: Big Data Approach Shown To Be Effective for Evaluating Autism Treatments [\[More\]](#)
- Xavier Intes elected SPIE Fellow [\[More\]](#)
- Students present at Graduate Symposium [\[More\]](#)
- Research News: Flipped Cells Cause Blood Vessels To Leak in Diabetes and Other Diseases [\[More\]](#)
- Five faculty honored at 2018 Trustee Celebration [\[More\]](#)
- Jennifer Rico-Varela receives conference presentation award [\[More\]](#)
- Alexis Ziemba selected for Trainee Professional Development Award of Society for Neuroscience [\[More\]](#)
- Research News: Latest Research Hints at Predicting Autism Risk for Pregnant Mothers [\[More\]](#)
- Paper by Intes group and collaborators is cover story for the Journal of Controlled Release [\[More\]](#)
- Alexis Ziemba wins BMES Career Development Award [\[More\]](#)

I am excited about the recent developments and look forward to future achievements by our faculty and students in the coming year.

If you are planning to visit the campus, please do not hesitate to stop by and say hello.

Best regards,

Juergen Hahn  
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