



## Fall 2017

### Recent News & Updates from the Department of Chemistry & Chemical Biology, Rutgers University

#### Welcome Back!

With the Fall 2017 semester now underway, I'd like to welcome everyone back to campus. I look forward to seeing you and sharing the exciting news that continues to evolve within our department.

Last year brought some changes to our faculty. Professor Martha Cotter retired after 45 years with the department and will be truly missed. We thank her for her decades of dedication to teaching both undergraduate and graduate students alike. Professor Joseph Marcotrigiano left the University to accept a position at the National Institutes of Health (NIH) in Washington D.C. and Professor Daniel Seidel has also left the University, in this case to join the University of Florida as a Professor of Chemistry. We wish them well.



The Department is excited to welcome three new Assistant Professors this fall. Drs. Enver Cagri Izgu, Mark Lipke and Jianyuan (Jason) Zhang have joined our organic and inorganic divisions. I have no doubt they will complement our prestigious faculty as we continue to expand our world class research effort.

Progress in the new building continues and while it is slated to be finished in October, I'm willing to bet that November is more realistic. We'll keep you informed when we start planning a ribbon cutting ceremony.

**Best wishes for a successful semester!**

John Brennan, Chair

#### Welcome to All of Our New Faculty Members

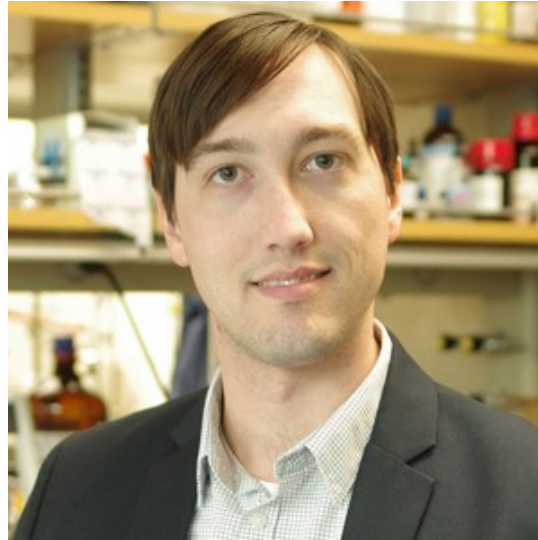


#### Professor Enver Izgu

At Rutgers, the Izgu Lab will establish a multidisciplinary research program to develop chemical technologies that will enable the life sciences. This program aims to combine synthetic chemistry with molecular biology to engineer functional liposomes, anti-viral drugs, and nucleic acid nanodevices. Members of the Izgu Lab will have the opportunity to learn a wide variety of experimental techniques and carry out both fundamental and applied research in a collaborative environment.

#### Professor Mark Lipke

As an assistant professor at Rutgers, Dr. Lipke will apply his multidisciplinary background to the study of catalysts for the sustainable production of fuels and other valuable chemical products. This research will utilize supramolecular synthetic methods to examine how the reactivity of catalytic metal centers can be altered and enhanced by interactions with ancillary metal or organic functional units at varying length scales.



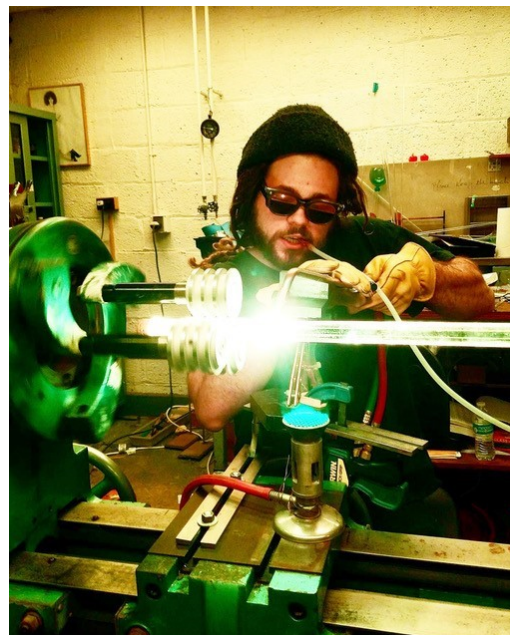
#### Professor Jason Zhang

The Zhang group will use synthetic and supramolecular approaches to control metal ions and clusters at the nanoscale for functional quantum materials and biomedical applications. Precise structural control is critical for scientists to harness the optical, electrical, magnetic, chemical and biological properties of nanomaterials and nanomedicines. The research in my group will focus on applying organic and polymer chemistry to control the behavior of inorganic (metal) ions, clusters, and nanoparticles.

#### Meet CCB Glassblower: Jacob Moskowitz

Glassblower Jacob Moskowitz graduated from the Cleveland Institute of Art in 2011 and is the owner and lead artist of JM Glass Co. in Roselle Park, NJ. He joined Rutgers in 2016 as the Scientific Glassblower. Through the position, he works with and assists students and faculty with the glass tools they use in their research. From the most complex, to very simple repairs, no job is too big or small and the more abstract the piece, the more excited he is to create it.

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#### BASF Fellowship Presentation

BASF is continuing their one-year fellowship for a high-achieving graduate student in his or her third or fourth year of study. Pictured here are Karin Calvinho, the 2016-17 Fellow and Tariq Bhatti, the 2017-18 Fellow, with BASF's Peter Walther and Mikhail Rodkin.

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#### Welcome to our Incoming Fall 2017 Graduate Class

Join us in welcoming our incoming class of 21 PhD students to our graduate program. We are very excited to have them join CCB and wish them the best of luck.

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#### SUPPORT CCB!

The Rutgers Department of Chemistry and Chemical Biology needs your support to meet the research and educational challenges in areas as diverse as health, energy and the environment. A major goal of our educational program is to train research scientists to create new knowledge and to become leaders in industry, academia, and government. Your support is critical to enabling high reward research and developing students to be the leaders of tomorrow. Your gifts will enable our faculty and students to explore the most interesting and challenging questions in the many broad fields touched by chemistry, by creating new laboratories, student fellowships, endowments, and supporting ambitious new programs. Come join us! Even the smallest gifts have big impacts. [Click here to give to CCB.](#)

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