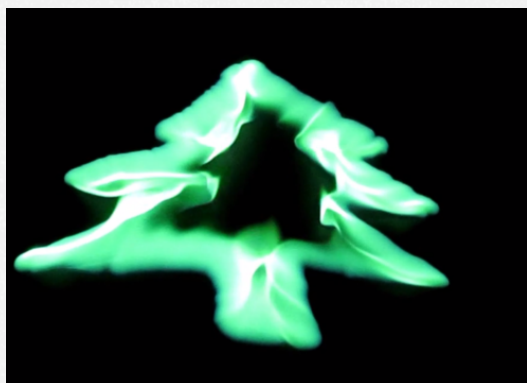


Department of Chemistry and Biochemistry

FALL 2015 NEWSLETTER

DECEMBER 2015

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Greetings Alumni!

As those of us in South Bend prepare for the holiday season and the inevitable snow and cold, we wanted to take a moment to share with you some departmental news from the past year. We hope that you enjoy learning about the accomplishments of the faculty, alumni, and students.

Please note that if you would like more information on the stories found in this letter, you can visit the departmental [website](#) or [Facebook page](#). We also welcome your [feedback](#) or sharing of items for future newsletters.

We also would like to express our appreciation for all who have given to Notre Dame in the past. If you would like to include Notre Dame in your year-end giving, undergraduate alumni can follow [this link](#), and graduate alumni can follow [this link](#). Thank you for supporting the efforts of the department and the University!

Faculty News

Prashant Kamat, Rev. John A. Zahm Professor of Science, was named a [highly cited researcher](#) by Thomson Reuters again in 2015. With over 54,000 citations (h index 123), this is an impressive accomplishment. Prof. Kamat was also elected as a [Pravasi Fellow](#) by the Indian National Science Academy.

Prof. Marya Lieberman has garnered national and international attention for her [Paper Analytical Devices](#) (PADs) Project. Her work on creating low-cost, paper test cards to detect counterfeit pharmaceuticals in developing countries has been featured on the BBC and Fox News and



has been recognized with grants from the USAID and the Bill & Melinda Gates Foundation. She was also awarded the [Partners for Progress Prosperity Award](#).

Prof. Olaf Wiest and his colleagues identified a novel [target of artemisinin](#) which is critical to understanding the mechanism of resistance to this important drug in the treatment of malaria. This work was reported in the journal Nature in April.

Amanda Hummon, Huisking Foundation Inc. Associate Professor, was the recipient of a National Science Foundation [CAREER award](#). This highly prestigious award is given to young faculty members who show great promise in their field. Prof. Hummon also received a \$1.5M grant from the National Institutes of Health.

Shahriar Mobashery, Navari Family Professor in Life Sciences, and **Prof. Mayland Chang** discovered a [promising new antibiotic](#) based on quinazolinone for the treatment of methicillin-resistant Staphylococcus aureus (MRSA). With roughly 19,000 MRSA infections each year, finding new treatment strategies for this and other antibiotic resistant bacteria is critically important for the continuation of medical care as we know it. Prof. Chang also received a [\\$1.6M grant](#) from the American Diabetes Association to study diabetic wound healing.

Prof. Greg Hartland was selected as a [Fellow of the Royal Society of Chemistry](#).

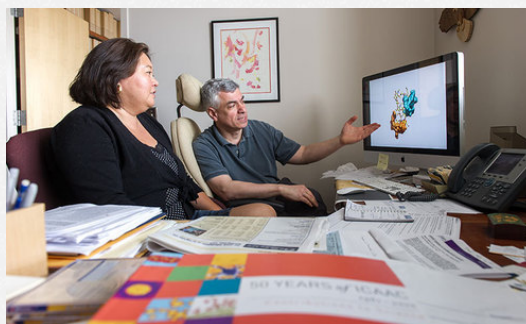
We would like to welcome **Mary Galvin**, William K. Warren Foundation Dean of the College of Science and Professor of Chemistry and Biochemistry. Dean Galvin is an [accomplished scientist](#) with experience in academia, government, and industry, and comes to Notre Dame most recently from the National Science Foundation. We would also like to congratulate **Prof. Dan Gezelter** on his promotion to Full Professor and **Prof. Zac Schultz** and **Prof. Amanda Hummon** on their promotions to Associate Professor.

Student & Alumni News

Graduate alumna Dr. **Kim Seung-hee** was [appointed Minister](#) of Food and Drug Safety in South Korea in April. Dr. Seung-hee has a degree in pharmacology from Seoul National University and a PhD in biochemistry from Notre Dame.

Garima Agrahari, a graduate student of Prof. Frank Castellino, received a [2-year pre-doctoral fellowship](#) from the American Heart Association.

Marya Lieberman works with a student on the PAD project.



Shahriar Mobashery and Mayland Chang



Dean Mary Galvin

Gail Weaver, a graduate student of Profs. Marya Lieberman and Holly Goodson, received a [Baxter Young Investigator Award](#).

Nick Myers, a graduate student of Prof. Marya Lieberman, received a [US Pharmacopeia Global Fellowship](#).

Renee Bouley, a graduate student of Profs. Shahriar Mobashery and Mayland Chang, received an [NIH Individual Predoctoral Fellowship](#). Since 1991, only 5 Notre Dame students have received this honor. She also received a Second Place Baxter Young Investigator Award.

Doug Hines, a graduate student of Prof. Prashant Kamat, received the 2015 Rohm & Haas Outstanding Graduate Student Award.

Graduate student **Elizabeth Peuchen** was selected to receive an [NSF Graduate Research Fellowship](#).



Bachelor of Science degrees were conferred on 18 chemists and 31 biochemists in May. Our newest alumni are:

Chemistry

Michael Ahlers, summa cum laude, Le Mars, Iowa

Mary Cherveney, Cuyahoga Falls, OH

Daniel Delany, Salem, NJ

Joseph Fisher, Birmingham, AL

Bryce Jones, magna cum laude, Saint Joseph, MI

Grant Kippenbrock, Brownsburg, IN

Daniel Kwasnieski, magna cum laude, Middletown, DE

Michael Loftus, Brewster, NY

Yiwei Lu, Beijing, China

Madison Meese, Huntington, IN

Raymond Mumme, cum laude, Katy, TX

Katya Simon, cum laude, Chicago, IL
Anna Sliwinski, Troy, MI
Katelyn Virga, Shelby Township, MI
Mary Wickert, Westerville, OH
Amity Wipson, Duluth, MN
Dan Wright, Pleasanton, CA
Qingyang Zhang, cum laude, Changsha, China

Biochemistry

Kathleen Anthony, summa cum laude, Allentown, PA
Kevin Berens, Glen Ellyn, IL
Kathryn Bush, Somerset, NJ
Julianne Carson, Princeton Junction, NJ
Jenna Ciesielski, Des Plaines, IL
Sarah Claeys, Eden Prairie, MN
Carolyn Comes, Maumee, OH
Alexander Dang, Gahanna, OH
Ellen Dowling, Ann Arbor, MI
Morgan Hallas, cum laude, Canton, OH
Andrea Hawkins, Kentwood, MI
Stephen Hawn, magna cum laude, Hinsdale, IL
Megan Kennelly, Charlotte, NC
Erin Lavin, magna cum laude, Wantagh, NY
Ivan Leung, Foster City, CA
Kyle Lewellen, Indianapolis, IN
Travis Marshall-Roth, cum laude, Charlottesville, VA
Evan Merryman, magna cum laude, South Bend, IN
Matthew Messina, magna cum laude, Milford, MI
Maria Moreno Caffaro, Guatemala City, Guatemala
Michael Prough, cum laude, Goshen, IN
Christopher Quinn, Hilliard, OH
Brian Randall, cum laude, Pittsford, NY
Christopher Sausen, Nisswa, MN
Brian Shannon, De Pere, WI
Laura Shute, summa cum laude, Beaver, PA
Rebecca Shute, cum laude, Beaver, PA
Ava Stachelski, Franklin, MI

Kristen Trippichio, cum laude, Clark, NJ

Meredith Vieira, Wilmington, DE

RJ Weir, summa cum laude, Cobalt, CT

We are also proud of our graduate students who completed their degrees in the past year.

PhD Recipients

Chemistry

Justin Neil Cross, Tallahassee, FL (Prof. Thomas Albrecht-Schmitt)*

Joseph Bartholomew Gianino, Lake Orion, MI (Prof. Brandon Ashfeld)**

Douglas Allen Hines, Mansfield, OH (Prof. Prashant Kamat)

Maria Olive Jobbins, Owen, WI (Prof. Marv Miller)*

Todd Alexander Major, Dorr, MI (Prof. Greg Hartland)**

James Mathew Marr, Greenville, MI (Profs. Dan Gezelter and Zac Schultz)*

Rachel Nduku Masyuko, Nairobi, Kenya (Prof. Paul Bohn)**

Nathan Alan Meredith, Evansville, IN (Profs. Peter Burns and Thomas Albrecht-Schmitt)**

Sukesh Shekar, New Dehli, India (Prof. Seth Brown)**

Mary Caitlin Sherman, Ligonier, PA (Prof. Steve Corcelli)

Kelsey Marie Stocker, Grants Pass, OR (Prof. Dan Gezelter)*

Erin Elizabeth Wilson, Conway, SC (Prof. Brandon Ashfeld)

Matthew Ryan Wilson, Goose Creek, SC (Prof. Rich Taylor)*

Nicole Marie Windmon, Coconut Creek, FL (Prof. Marv Miller)**

Biochemistry

Jill Jena Bouchard, Billings, Montana (Prof. Jeff Peng)**

Vishwanatha K. Chandrahas, South Bend, IN (Prof. Frank Castellino)

Julie Lynn Chaney, Lafayette, IN (Prof. Patricia Clark)

Kara Marie Harmatys, Homer Glen, IL (Prof. Brad Smith)

Shailaja Kunda, Pune, Maharashtra, India (Prof. Frank Castellino)

Douglas Robert Rice, Salem, OR (Prof. Brad Smith)

Jennifer Laura Starner-Krienbrink, Brooklyn Park, MN (Prof. Patricia Clark)

Abigail A. Weaver, South Bend, IN (Profs. Holly Goodson and Marya Lieberman)**

Hui Yu, Haimen, China (Prof. Robert Stahelin)**

Master Degree Recipients

Chemistry

Ashley Marie Berding, Cincinnati, OH

Kasey Courtney Haugen, Jupiter, FL

Arnold Bertron Kidd, Crab Orchard, WV (Prof. Seth Brown)*

Karthik Narayan Kotha, South Bend, IN**

Biochemistry

John Douglas Herrington, Mishawaka, IN (Prof. Patricia Clark)**

Ngan Minh Le, Hanoi, Vietnam

* August 2014 graduate

** January 2015 graduate

Best wishes for a very Merry Christmas and Happy New Year!



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