first published 15 October 2018

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Chemical Bond, November 2018

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keynote the award symposium at the Midwest Regional Meeting in Ames, Iowa, on October 22nd.

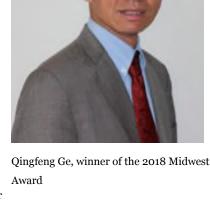
Qingfeng Ge of SIUC is 2018 Midwest Awardee

Chemistry and Biochemistry. Dr Ge received his education from Tianjin University, China, and gained BS, MS, and PhD

Denmark, and Cambridge University, UK, in experimental and computational surface sciences. He moved to the USA at the end of 1999, starting as a Research Scientist iat University of Virginia in computational heterogeneous catalysis. In 2003, he joined the Department of Chemistry and Biochemistry at SIUC and was promoted to Associate Professor in 2007 and Professor in 2010. He is the winner of the 2018 university-level Scholar excellence award and was granted the title of since 2010. principles-based simulations of materials. A main thrust of his research program is using modeling and simulation to address materials issues related to energy and environment, including CO₂ conversion and utilization, catalytic conversion

and upgrading of biomass-derived chemicals, and hydrogen storage. Current research projects include hydrogenation and electrochemical reduction of CO2, CO2 coupling with methane, and hydrogen storage properties of graphene-confined complex metal hydrides. In 2005, he was one of 70 recipients of a Presidential Hydrogen Fuel Initiative grant. His research group at SIUC has been continually supported by grants from the US Department of Energy and the National Science

Foundation. He has authored or coauthored more than 140 peer-reviewed publications and delivered about the same number of invited presentations and seminars. A significant portion of the publications have resulted from collaboration with experimental groups. Dr Ge played leadership roles in promoting theory and computation in energy-related applications and organized several symposia at ACS national meetings and international conferences. He currently serves as Associate Editor of the Journal of CO2 Utilization (Elsevier) and is on the editorial boards of several other journals. He was a guest editor for Catalysis Today, Topics in Catalysis and PCCP (Physical Chemistry, Chemical Physics, a publication of the Royal Society of Chemistry). Dr Ge served as Chair of the Southern Illinois section of the American Chemical Society in 2011 and continued as member of the board of executives until 2013.



The Midwest Award is administered by the Saint Louis Section–ACS.

first published 16 October 2018 There has long been a Saint Louis area discussion group devoted to high school chemistry teachers. It goes by the acronym SLACKERS (St Louis Area Chemistry

(and more details about their calendar below). Meetings of the group have always landed at one venue or another on the western shore of the mighty Mississippi, and that has not always been attractive to HS chem teachers in Illinois.

Now, those Illini HS chem teachers have taken matter(s) in their own hands and formed a discussion group, Think Like a Proton, that does not require an interstate bridge crossing to attend. The inaugural coordinator is Elisabeth Knierim at Belleville Township High School, email eknierim@bths201.org. Elisabeth describes the discussion group as "a share-

Monthly meetings have been set for the Fall semester. All take place from 5:30 to 7:30 pm at the SIUE STEM Resource Center, Science East Room 1276. The September meeting is obviously history, but feel free to jump in any time. All are welcome; the events are free; but please let Elisabeth Knierim know you are coming. September 20 topics

o Physical/Chemical Properties/Changes o Separating Mixtures

o Periodic Trends

October 11 topics

- o History of the Atom Atomic Structure

- Naming
- hard copy) with other attendees.
- On the other bank of the Mississippi, SLACKERS meet once a month, alternating on Wednesdays and Thursdays. They don't have a schedule of topics for the fall, yet, but you can join them by contacting Bob Becker, the group coordinator.

They met the first time this semester on Sep 26 at 7 pm at Kirkwood High School, 801 West Essex, Kirkwood. Refreshments were provided! Bob Becker shared a few things and provided some free take-aways too! When the venue is Kirkwood High School, you can find the group in Room SC-210. Park on the Dougherty Ferry lot and follow the signs.

We will be in a science classroom, so if you would like to actually model the demo, lab or activity, you may do so. Feel free to share copies of handouts (electronically or

Wed, Nov 7 Thurs, Dec 13 Wed. Jan 16 Thurs, Feb 21

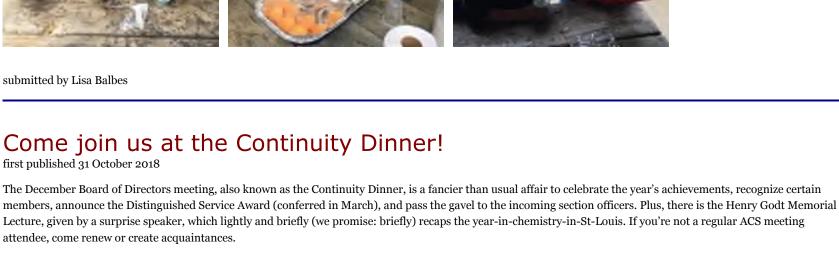
Wed, Mar 13 Thurs, Apr 11

- Scary good science at this year's Fright Fest first published 24 October 2018

the slime and put it in the bag, and at least one adult commented that they now understood polymer science in a way they never had before.







attendee, come renew or create acquaintances.

When: Thursday, December 13 Where: Pastaria in Clayton - Pastaria has an upstairs event space we will be using (please see the restaurant host for elevator access. Parking in the adjacent Centene

Parking Garage will be validated. Please bring your ticket to the host for validation.

Schedule of events: 6:30 PM Social hour with appetizers, cash bar 7:00 PM Meeting and Dinner Please register by Dec 10 by contacting Ben Barth (314-301-9268 or chair@stlacs.org)

1 Maybeck Place Elsah, IL 62028

1:50 pm

2:30 pm

3:10 pm

3:30 pm

4:10 pm

4:50 pm

Board of Directors

Date: Nov 8

their first dinner as guests of the section.

University of Missouri–St Louis

which are also accessible from this page.

Future meetings: Dec 13 (Continuity Dinner), Jan 10

Social hour, cash bar: 6:00 pm

Marvville University

Saint Louis University

put to the Board; others in attendance have voice but no vote.

open to the public. Contact Jason Telford for more information.

Call to order: 6:30 pm (Board Meeting suspended during dinner service)

information, refer to the department's seminar page or contact Brent Znosko, znoskob@slu.edu.

Know an outstanding High School Chemistry Teacher? Why not nominate

first published 31 October 2018

and encourage outstanding teachers of high school chemistry within the St. Louis Section. The award winner will receive a \$500 check and a plaque, presented at an awards dinner and program in April.

Please consider nominating a teacher in the Greater St. Louis Area who exemplifies excellence in the teaching of high school chemistry.

members of the American Chemical Society who are familiar with the nominee's achievements, former students, or parents of former students. All materials must be submitted by December 31, 2018.

Please address any questions to Rob Lamb at acsawardstl@gmail.com

1) The Nominee Information Form should be completed at http://tiny.cc/elgyoy

The nomination must include the following items:

2) A curriculum vitae or resume that includes a list of the nominee's

Saint Louis Award Symposium 2018 program first published 31 August 2018

Medical School in St. Louis, with additional support from ProteXase Therapeutics, and Fimbrion Therapeutics.

Mimicking Nature's Biomolecules in Transformational Drug Discovery Suzy Hartmann – Associate Director Biologics Sourcing, MilliporeSigma, Chair Elect of the St. Louis Section, American Chemical Society 1:00 pm Welcome and General Introductions:

From Ligands and Substrates to Drugs: The Power of Rational Design

Dr. Robert Galemmo, President, ProteXase Therapeutics

Dr. Tomi Sawyer, Distinguished Scientist, Merck & Co.

Dr. John Talley, Chief Scientific Officer, Euclises Pharmaceuticals

Refreshment Break

Dr. John Cooper

Discovery of Cox-2 Inhibitors

Dr. David Crich, Professor, Department of Chemistry, Wayne State University

Adventures in Drug Hunting: Taking a Hint from Nature and the Literature

Peptide Drug Hunter: An Extraordinary Trek into Intracellular Target Space

1:05 pm Dr. John Cooper- Professor and Head, Department of Biochemistry and Molecular Biophysics, Washington University School of Medicine in St. Louis, Symposium Chair Introduction and Salute to Dr. Janetka 1:10 pm Dr. James Janetka, Associate Professor, Department of Biochemistry and Molecular Biophysics, Washington University School of Medicine in St.

Shaping Next Generation Aminoglycoside Antibiotics for Treatment of Multidrug Resistant Diseases

emmais

Washington University Seminars are in McMillen 311 at 4 pm unless otherwise noted. For information, consult the departmental events page. Related seminars, including endowed seminar series and the WU med school biochemistry series, are linked here as well. **POLYMER STANDARDS FOR GPC/SEC MOLECULAR WEIGHT ANALYSIS GPC/SEC COLUMN REPACKING**

St Louis Section-ACS Board of Directors meets the second Thursday of each month, usually at the Glen Echo Country Club (map and driving directions). Meetings are open to all members, and all are encouraged to attend. Elected officers and chairs of major committees vote on questions

If you want to attend for dinner, please contact the section Chair at least a week in advance. The usual cost of the dinner is \$20 (\$10 for post-docs and unemployed members). Bar service and dessert are optional extras. Members wishing to become active in section activities are welcomed for

Seminars are approximately once a month on Thursdays, 4-5 pm. Details are available on the university's seminar page. All seminars are free and

Seminars are generally on Fridays at 12 noon in Carlo Auditorium, Tegeler Hall, unless noted otherwise. Refreshments follow. For the most up-to-date

Mondays at 4 pm in 451 Benton Hall, unless otherwise specified. Refreshments 15 minutes prior to seminar time. For timely information on visiting seminar speakers, contact the Chemistry Department, 314.516.5311, or visit the seminar schedule. The department has additional seminar series

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Vol. 69, No. 8, November, 2018

Please meet Qingfeng Ge, the recipient of the 2018 Midwest Award. Dr Ge will officially receive the 74th Midwest Award and Dr Qingfeng Ge is a Distinguished Scholar at Southern Illinois University-Carbondale and Professor in the Department of degrees in Chemical Engineering. He worked as a postdoctoral scholar in chemistry departments at Copenhagen University, Distinguished Scholar. He has been a guest professor at Tianjin University since 2007 and Taiyuan University of Technology Dr Ge's experience ranges from experimental characterization of catalysts and kinetic modeling of catalytic processes to first-

A River Runs Through It (area high school chem teacher meet-ups) Knowledge Educational Resource Sharers, which seems kind of forced to me, but at least it's pronounceable). Bob Becker at Kirkwood High School is the coordinator

a-thon for teachers to exchange their ideas about chemistry activities, demos, and labs! The hope is to share ideas about best practices and discuss awesome ways to engage students in chemistry in an informal setting."

o Classifying Matter Conservation of Mass

 Isotopes November 8 topics

- o Electromagnetic Spectrum o Quantum Model Electron Configuration
- o Introduction to Lewis dot structures December 6 topics o Bonding
- o VSEPR Shapes Polarity Interested in attending? Please come ready to share an idea about that month's topic or something that you will be doing in the next month that you are excited about.
- Meetings convene at 7 pm, on the following dates for the remainder of the year:

Thurs, Oct 25

- Wed, May 9
- On Sunday, October 14th at the Cub World Pavillion on the Beaumont Scout Reservation, approximately 700 Cub Scouts entered an outdoor science lab weary from their haunted hike and created pumpkin guts and snot (aka orange or green slime). They learned about non-Newtonian fluids, and polymer chemistry, then worked in pairs to make their own slime, which they were able to take home. A total of 14 volunteers from St. Louis University, Washington University, ACS, and Troop 371 assisted with the event, which ran from 2pm to 9pm. More than 75 service hours were provided. At least one scout cried when his mother made him stop playing with

There will also be a General Meeting of the Section, but business will be light. And there are almost always some new and old members whom we see only at this event. So come!

Cost of dinner is \$25, payable by cash or check or PayPal at the dinner. Checks may also be mailed in advance to the STL ACS Treasurer, Jeff Cornelius: Jeffrey Cornelius Principia College

them? The St. Louis Section of the American Chemical Society is seeking nominations for the 2019 High School Chemistry Teaching Award. This award is given to recognize

honors, professional activities, and additional evidence of service to the profession must be sent to acsawardstl@gmail.com 3) Recommendations for the nominee should be completed at http://tiny.cc/bngyoy At least one recommendation must be from the nominee's current principal or supervisor. Additional recommendations may be completed by colleagues,

The 2018 Saint Louis Award Symposium-Friday, Nov. 2nd-is sponsored by the St. Louis Section of the American Chemical Society and Washington University

Honoring Dr. James Janetka **Associate Professor** Department of Biochemistry and Molecular Biophysics Adjunct Professor, Department of Chemistry Washington University in St. Louis 2018 Saint Louis Award Winner Erlanger Auditorium, McDonnell Sciences Building Washington University School of Medicine in St. Louis

Concluding Remarks
Reception immediately following
Saint Louis Award Banquet, Glen Echo Country Club
3401 Lucas and Hunt Rd, Normandy, MO
Reservations required (See link for more information and reservations)
e campus map for the location of Erlanger Hall and various parking options. There is also the convenient MetroLink Central West End station and Red lines.
s Chemical Science & Technology Award, 2019: call for
st 2018
Fyour team for the Saint Louis Chemical Science & Technology Award. This award is presented to a chemist in the St. Louis area who has egree of professionalism and scientific contribution. Criteria used to judge the award include technical proficiency, presentations, and additional professional activities. The award will consist of a plaque, a \$1,000 honorarium, and dinner for the awardee and a guest at the ght. The due date is January 1, 2019.
rails on eligibility, nominating a candidate, and recent winners right here. To submit a nomination, email the Chemical Science and Technology avid Rhee at david.rhee@bayer.com or call at 314-694-4874.
Meeting

micron inc. American Polymer Standards Corporation 8680 Tyler Boulevard, Mentor, OH 44060 ANALYTICAL SERVICES Phone: 440-255-2211 Fax: 440-255-8397 MATERIALS CHARACTERIZATION MORPHOLOGY CHEMISTRY

Jeramia Ory Keith Stine

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PLOYMENT OPPORTUNITIES Experienced Organic Radiochemist Ideal candidate should have 540 years experience in radiosynthesis using carbon 44 and tritium. Candidates with experience using carbon-13 and deuterium will also be considered. Applicant must have extensive experience in multi-step, small-scale organic radiosynthesis. as well as vacuum line techniques to handle, purity, and transfer small amounts of volatile chemicals under vacuum. Ph.D. required. Applicant must have experience with enzyme extraction, biochemical synthesis, gel electrophoresis; purifications by EP, TLC, and paper chromatography. Ph.D. required. Analytical/Preparative HPLC Chemist Ideal candidate should have experience in both analytical and preparative HPLC. Applicant must have experience with analytical and preparative HFLC techniques for radioactive chemicals. B.S. in related field required, M.S. or Ph.D. preferred. About the hemical Bond

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STRUCTURE

314.516.5346

If you need more information or have problems with this site, please contact the WebMaster.

advmgr@stlacs.org

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