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**Coming Soon: New Event for ACS Members and Their Family**

Please save the date for a family-friendly event being held at the **Michigan Science Center** on the afternoon of **Sunday, June 23rd** for ACS members and their families! There will be an opportunity to meet with fellow members at a reception with heavy hors d’oeuvres, a planetarium show, and the opportunity for open exploration at the museum. This event will be largely funded by the local section’s Brewer Endowment, making the cost of admission only $10 for adults and $5 for children. Mark your calendars; an RSVP link will be sent out in the next issue of **The Chemist**!

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**Chemists Celebrate Earth Day**

**Part of the Green Fest at the Detroit Zoo**

**Saturday, April 27, 2019**

The Detroit Section will run a Chemists Celebrate Earth Day event at the Detroit Zoo on Saturday, April 27. The CCED event will be part of the Zoo’s Green Fest program. The CCED event will include several hands-on experiments including erupting volcanos, dry ice, making ink from tea, and making slime from guar gum. The event runs from 9 AM to 3 PM.

Our volunteers include local chemists and student members from many local universities. Over 500 children are expected to participate in the activities and will receive the Celebrating Chemistry handout and a “Hooray for Chemistry” bag to take their experiments home in. BASF Corporation is sponsoring the CCED event with supplies, shirts and employee volunteers.

If you would like to volunteer, please contact Denise Grimsley at denise.grimsley@basf.com.
American Chemical Society – Detroit Local Section – Younger Chemists Committee Presents:

Brewing Chemistry

Brewing Chemistry is a monthly lectures series. These informal talks are designed to make science fun and accessible for all. The lectures take place at 7 p.m. on the third Tuesday of every month at:

Traffic Jam & Snug, 511 West Canfield Street, Detroit, MI 48201

There is no admission charge, and free parking is available. Feel free to join us before the talk at 6:00 PM for a dutch-treat dinner.

For more information, contact Meghann at 313.993.1259 or meghann@brewingchemistry.com

Tuesday, April 16th, 2019 at 7 PM

The Chemistry of Expiration Dates

Presented by:

Carmen Folk, QC Lab Chemist, Ferndale Laboratories, Inc.

Stability chemists are responsible for assigning an expiration date to a given product. Many factors need to be considered, including chemical and physical properties of the active ingredients, manufacturing procedures, formulations, containers and closures, storage conditions, and the stability of the article to maintain its quality or purity through the use of antioxidants or preservative. Detecting and identifying potentially harmful degradants is also important. Carmen Folk works as a stability chemist at Ferndale Laboratories and is tasked with many of these duties. Stability chemists monitor the quality of a product from the date of manufacture until a determined length of time has elapsed: from days to months to years! Carmen maintains FDA accountability while generating multitudes of data on the physical (appearance, pH, viscosity) and chemical attributes (API stability, Impurities/Degradants) of cosmetic and pharmaceutical products. Simply put, a lot of work goes into assigning an expiration date.

www.brewingchemistry.com
The Midland Section of the American Chemical Society (ACS) is excited to announce the ACS 2019 Central Regional Meeting (CERM 2019), to be held in Midland, MI on June 4-8, 2019.

2019 marks the 50th CERM meeting and the 100th anniversary of the Midland ACS section. To celebrate, CERM 2019 boasts a lineup of world class speakers, an expanded technical program, and a host of networking, educational, and community outreach events.

CERM 2019 will be the premier scientific meeting in the Midwest this year, bringing together industry, academic, and government researchers for a meeting that is both personal—with ample opportunities to connect with speakers, vendors, and fellow attendees—and high impact—featuring participants from leading companies, colleges & universities, and government laboratories.

Registration and Abstract submission are currently open, with March 4th, 2019 being the deadline for abstracts. Listed below are some of the exciting speakers, symposia, and events at CERM 2019. We hope to see you there!

www.acscerm2019.org

CERM 2019 Plenary Speakers:

- Prof. Tobin Marks (Northwestern U.)
- Prof. Craig Hawker (UC Santa Barbra)
- Prof. Melanie Sanford (U of M)
- Dr. A. N. Sreeram (CTO, DOW)

CERM 2019 Featured Events:

- Astronaut Capt. Scott Kelly (NASA) Lecture
- Chemistry & the Arts Expo @ MCFTA.
- Art Conservation Lecture by Mark Golden
- Citizen Experiment on Water Quality
- Melanie Cooper (Education – MSU) Lecture
- Mentoring Panel & STEM night at the Minor League Baseball Game
- National Historic Chemical Landmark Dedication: Mass Spectrometer
- Excellence in Chemistry Awards and Banquet
- National ACS Board of Directors tour of Dow labs
- ACS Leadership Institute workshop
- Vendor Expo
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<td>YCC</td>
<td>Brewing Chemistry: Science Opportunities at Marygrove High School</td>
<td>Nir Saar, Principal, Marygrove Schools</td>
<td>Traffic Jam and Snug, Detroit</td>
<td>Talk 7 pm</td>
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<td>March 21</td>
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<td>April 16</td>
<td>YCC</td>
<td>Brewing Chemistry: The Chemistry of Expiration Dates</td>
<td>Carmen Folk</td>
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<td>April 20</td>
<td>Minority Affairs</td>
<td>Science Saturday</td>
<td>Hands-on program volunteers</td>
<td>Charles H Wright Museum</td>
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<td>April 27</td>
<td>CCED</td>
<td>Greenfest at the Zoo</td>
<td>Hands-on program volunteers</td>
<td>Detroit Zoo</td>
<td>9 am – 3 pm</td>
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<tr>
<td>June 4-8</td>
<td>ACS</td>
<td>ACS Regional Meeting</td>
<td>Various Speakers</td>
<td>Midland, MI</td>
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<td>June 23</td>
<td>ACS Brewer Endowment</td>
<td>Reception and Social for ACS Members</td>
<td>Michigan Science Center</td>
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<td>June 28</td>
<td>Career</td>
<td>ACS Career Day</td>
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<td>TBD</td>
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YCC-Younger Chemists Committee  
USNCO- US National Chemistry Olympiad  
CCED-Chemist Celebrate Earth Day