

DATE	EVENT	STUDENT or POSTDOC ASSISTING
2018-08-07	<b>UND Chemistry Summer Camp; Pigments, Paper-making/Recycling Day</b> <ul style="list-style-type: none"> <li>Wrote summary and objectives of the science activity (making pigments, papermaking, recycling) and written worksheets, quiz. Ordered supplies, set up lab supplies, pre-weighed chemicals and prepared some types of paper pulp ahead of time, and supervised students during the activity.</li> </ul>	<b>GRA A. LaVallie</b>
2018-09-19 through 2018-11-28	<b>NDSU Lab Mentorship</b> <ul style="list-style-type: none"> <li>Lab Mentorship to a Pharmacy Graduate Student for Avenues to Disciplinary Research. Instruct and demonstrate synthetic processes and analytical techniques used to conduct research in coatings and polymeric materials. Synthesized nanoparticles from soy-bean oil derived macromolecules (obtained from CSMS collaborators) for biopharmaceutical applications.</li> </ul>	<b>GRA R. Chitemere Wright</b>
2018-10-31	<b>NDSU STEM Demos, UND Chemistry department</b> <ul style="list-style-type: none"> <li>Setup and supervision of cloud-making activity.</li> </ul>	<b>GRA A. LaVallie</b>
2018-11-14	<b>NDSU STEM Demos, UND Chemistry department</b> <ul style="list-style-type: none"> <li>Setup of equipment for Na polyacrylate “snow,” cloud-making equipment, Van de Graaf, chromatography, helped with demo of ink chromatography.</li> </ul>	<b>GRA A. LaVallie</b>
2019-02-14	<b>NDSU Avenues of Scientific Discovery</b> <ul style="list-style-type: none"> <li>Explained basics of polymer science and real-world examples; showcased physical and computational models of various structures and architectures possible; demonstrated and supervised a hands-on activity on how to make a cross-linked polymeric materials (silly putty) from household chemicals (glue+borax)</li> </ul> <p>CSMS Research Associate G. Casanola-Martin also assisted at the event</p>	<b>GRA M. Erickson</b> <b>GRA A. Habib</b> <b>GRA K. Iduoku</b> <b>GRA K. Kingsley</b> <b>GRA R. Setien</b> <b>GRA R. Chitemere Wright</b>

**R. Chitemere Wright and R. Setien (right side of photo)**



**K. Iduoku and G. Casanola-Martin**



**K. Iduoku, Meade Erickson, G. Casanola-Martin**



2019-02-14

**NDSU Avenues of Scientific Discovery**

**GRA N. Ahsan**

- I was a volunteer in Arikara room to announce when it was time for the high school students to move to another booth. After making the announcement, I stood outside the room, held a sign with the room name on it, and helped direct students if they were moving to a booth in a different room.



2019-02-28

**Chemistry Fun for 4<sup>th</sup> graders at Ben Franklin Elementary**

**Postdoc B. Yao**  
**GRA N. Almutairi**  
**GRA H. Amjaour**  
**GRA A. LaVallie**  
**GRA R. Omar**  
**GRA M. Shaik**  
**UGRA L. Lilleboe**  
**UGRA J. Emond**

- We did 7 hands on activities familiarizing kids with solid, liquids gases, concepts of polymers and charge.  
\* CSMS faculty member Dr. Alena Kubátová was also there

2019-03-28	<p><b>UND STEM Day – Chemistry hands-on activities</b></p> <ul style="list-style-type: none"> <li>➤ Conducted 4 hands-on chemistry activities with groups of 6 8<sup>th</sup> graders: <ul style="list-style-type: none"> <li>- Introduction to Nanoscience and Scanning Electron Microscope</li> <li>- Chemistry of Polymers</li> <li>- Charge with Van Graf generator and introduction to Mass spectrometry</li> <li>- Intro to Computer simulation and computational chemistry</li> </ul> </li> <li>* CSMS faculty member Dr. Alena Kubátová was also there</li> </ul>	<p><i>Postdoc B. Yao</i>  <b>GRA J. Chalupa</b>  <b>GRA A. LaVallie</b>  <b>GRA X. Liu</b>  <b>GRA T. O'Denius</b>  <b>GRA R. Omar</b>  <b>GRA J. Parmar</b>  <b>GRA S. Reagen</b>  <b>GRA S. Vijjamarri</b></p>
2019-04-27	<p><b>ND Science Olympiad: Topic - Forensics</b></p> <ul style="list-style-type: none"> <li>➤ Demchuk's role: Chair of the Forensics station. Hosting and managing the Forensics station prepare test questions and set up the experiments. Polunin's role: assisted with the activities at the Forensics station and helped with materials findings and evaluation of the results. After the event, both graded papers and helped choose the winner of the Science Olympiad.</li> </ul>	<p><b>GRA Z. Demchuk</b>  <b>GRA Y. Polunin</b></p>
2019-05-23	<p><b>Science Fun at Ben Franklin Elementary</b></p> <ul style="list-style-type: none"> <li>➤ UND Chemistry graduate students facilitated a number of Chemistry-related hands-on activities. They carried out 7 hands-on activities, familiarizing kids with solids, liquids gases, concepts of polymers and charge with grand finale doing the Mentos geysers.</li> <li>* Also present for CSMS was Alena Kubatova, Chemistry faculty</li> </ul>	<p><i>Postdoc B. Yao</i>  <b>GRA C. Ambo</b>  <b>GRA A. LaVallie</b>  <b>GRA D. Nkemngong</b>  <b>GRA T. O'Denius</b>  <b>GRA P. Vasireddy</b>  <b>UGRA J. Emond</b></p>