

## DDE Labs Summer 2020 Newsletter

### EVENTS

#### DDE Labs to Host One-Day Virtual Workshop on Long-Acting Injectables



Drug Delivery Experts is once again proud to sponsor a 4-hour workshop hosted live on **Thursday, July 2** and is included with your registration to the Controlled Release Society's Virtual Annual Meeting (June 29 - July 2, 2020).

The **Process Engineering and Scale-Up for Long-Acting Systems Workshop**, chaired by our CEO **Christopher A. Rhodes**, brings together top experts in industry and academia to address the processes involved in creating long-acting injectable products.

Attendees will explore the scientific disciplines and engineering approaches for scale-up and processing of nano- and micro-particles for long-acting

injectables as well as hot melt extrusion methodology for implants. The process parameters and challenges of scale-up of these technologies will be addressed.

Sign up today for this unique virtual event. Register for CRS 2020 at <https://2020.controlledreleasesociety.org/registration>.

[More About the LAII Workshop](#)

## LONG-ACTING INJECTABLES AND IMPLANTABLES WORKSHOP

**JULY  
2<sup>ND</sup>  
2020**  
CRS VIRTUAL  
ANNUAL MEETING

### MILESTONES

#### DDE Labs Celebrates Our 6-Year Anniversary

Even though the coronavirus pandemic meant we couldn't all be together this year, the DDE team was thinking of our clients, friends, and family as we celebrated our 6th Anniversary in May.

"We are humbled and blessed to be where we find ourselves today after much hard work and play through the journey of building DDE Labs," commented CEO Chris Rhodes.

"We thank our team members, our clients, our advisors, our friends, and our families for the support to live and learn together. We are here today because of you. All of you have played a part in building our community and our ecosystem," concluded Rhodes.

And looking forward to the future, we're happy to announce GMP production capabilities coming in the 2nd half of 2020. Email [bd@ddelabs.com](mailto:bd@ddelabs.com) and let's start a conversation about your drug product development and clinical trial material needs today!

[More on GMP](#)

### STAFF NEWS

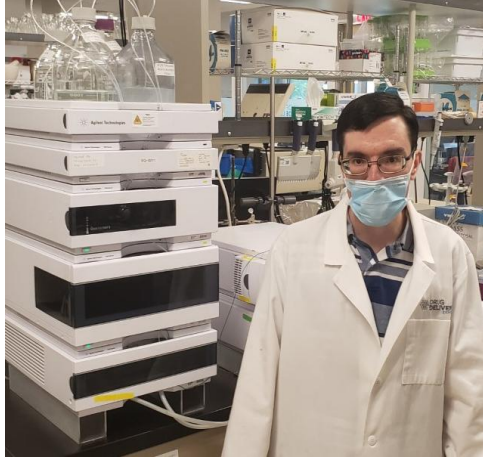
#### Long-Time Staffer Andrew Cerro Promoted to Senior Associate Scientist

As DDE Labs celebrated its 6th anniversary, one of our star employees has been a part of the team since the beginning.

**Andrew Cerro** joined us in 2015 after completing his undergraduate degree in chemistry from the University of San Diego. During his five years at DDE Labs, Andrew has been an integral part of the formulation team, and has appeared on two patents based on research that came directly out of our laboratory.

Andrew was promoted to Senior Associate





Scientist earlier this year to acknowledge his years of steadfast devotion to quality research, and of course, his amazing ability to keep the laboratory equipment running smoothly.

During his free time, Andrew enjoys all things Disney and is very active in his local church, helping out with audio/visual support for their events.

*Thanks so much for all you do Andrew!*

**[More About the DDE Labs Team](#)**

## TECHNOLOGY

### Introducing SubQ BIOLOGICS™: Innovative Nano/Microparticle Injectable Technology

And speaking of long-acting injectables, **SubQ Biologics™** is a patented nano/micro-particle formulation for salts of biologics composed of GRAS excipients that was developed at DDE Labs and spun-off by our partner Baywind Bioventures.

The particulate technology is designed to modulate the solubility and dissolution properties of the biologics in physiological buffer at pH 7.4.

The particulate formulations can be used to create extended-release PK profiles, to improve bioavailability of subcutaneous injection, to mitigate injection site reactions, and to create high concentration particulate suspensions for high dose proteins and antibodies.

The biologics particulates are produced via a simple aqueous particle precipitation process, under mild conditions (water or phosphate buffered saline) and are isolated in high yields (>80%). Active content ranges from 30% to over 80% depending on the properties of the particulate form desired. Stability of the particulates should allow for long term storage at 5C and potentially higher, depending on the biologic.

**[More on SubQ BIOLOGICS™](#)**



## STAFF NEWS

### Summer 2020 Laboratory Internships Begin



Although the start of the summer internship program was delayed due to the coronavirus pandemic, three talented young scientists-in-training were able to begin in late June.

Returning this year to help out in the lab are **Ethan Eisele**, a third-year student from CU Boulder and **Ryan Lamkin**, first-year from UCLA. They are joined this summer by a new face at DDE, **Rachael Mow**,

third-year from Columbia University. All three are studying chemistry.

If you know someone who might be a good fit as a laboratory, marketing, or operations intern, encourage them to submit a resume to [info@ddelabs.com](mailto:info@ddelabs.com). We are currently looking for late summer/fall interns.

Pictured (left to right): Ethan Eisele, Ryan Lamkin, and Rachael Mow; all are smiling (or so they told us.)

*Welcome Rachael and great to have you back Ethan and Ryan!*

[Visit Our Website](#)

[Schedule A Meeting](#)

## Find DDE Labs At:



### Controlled Release Society's Virtual Annual Meeting (June 29 - July 2)

Don't miss our sponsored workshop, **Process Engineering and Scale-Up for Long-Acting Systems**, broadcasted live on Thursday, July 2 starting at 8 a.m. Eastern Time and replayed later in the day.

More information at [laiiconference.org](http://laiiconference.org)