Pharmaceutical Research Sources Available for COVID-19

[Captioner standing by for realtime captions]

We will be getting started in two minutes at 2:00.

Good afternoon everyone. Welcome to the Academy. We have another terrific webinar for you today. I am with my colleague Ashley for tech support. The title of today's webinar is Pharmaceutical Research Resources Available for COVID-19 . With us as our presenter Emily C. Wild, Chemistry, Geosciences and Environmental Studies Librarian . Let me read a little bit about Emily. She joined Princeton University Lewis library as a chemistry science and, -- she has a bachelor of arts from hardware college and a Masters of Library information study from the University of Rhode Island.. In 2008 to 20 18 she was a physical scientist at US geological survey Denver library which she help library users find and use science and legislative material provided signs and government outreach information instruction and map instruction as well as develop and present online topics such as physical properties of the atmosphere and sediment and water, questionable geochemistry and geophysics, organic and inorganic chemistry and transit use [Indiscernible] energy and water resources. From January of 1996 to 2000 2008 she was a U.S. geological hydrologist in the New England states which he enjoyed feed, and stoma which. Her scholarly interests include library instruction reference citation and data management, rule and geospatial data sets and physical and laboratory sampling efforts. Before we get started I have to walk you through our usual housekeeping reminders. If you have any question she would like to ask Emily or technical issues please for free to use the chat box which four people on desktop computers or laptops is located in the bottom right-hand corner of your screen. I will teach track of all of the questions that come yet and that the end of the presentation will read them back to Emily and she will respond to each. Will also recording today's session and we will email a link to your recording and slice to everyone who registered for this webinar. And will also be sending you a certificate of participation using the email you use to register for today's webinar. If anyone needs additional certificates because multiple people watch the webinar with you please email FDLP and the title of today's webinar along with the email addresses of those names certificates. Desktop computer or laptop users may Zoom in on the flies being presented . Click on the fullscreen button on the bottom right portion of a dream. To exit the screen move over the four-year-olds so it expands. Will also be sharing a webinar satisfaction survey with you. And that URL with a peer in the chat pod. We appreciate your feedback after the session including comments on the presentation style and value of the webinar. Also if Emily, I didn't ask you but I should have, if she is going out to the web to look at any live websites, if she does that and screens, and screens are sure you will not be able to see the chat box. If you want to ask a question or just watch the chat traffic that Emily has presented, just mouse over the blue bar at the top and the menu drops down you can click on chat and enables the chat box. With that I will into the virtual microphone over to Emily.

Thank you Joe. M Emily wild. Although we working remotely because of COVID-19 and so I wanted to talk about some physical research were sizes that I've been helping at the University and generally in the public in New Jersey and anyone that is asking questions about if they know someone that has COVID-19 or they have COVID-19 or other aspects of the pharmaceutical component of the disease and the virus. Such as the start of I wanted to show the chemistry lab at Princeton University. The Frick chemistry lab and this is where I normally would be located at the present University science Library. What I've been using and helping people and answering questions are the other FDLP presentations that have been going on since it started around April that the presentations in late March. I have been home since March 13th. Or working remotely and I don't believe we're going back on campus for my position until sometime next spring. But they are leaving it open based on what is happening. I used these just to, for anybody in the library that are working for information about the library process of the resources of COVID-19 but also how COVID-19 is affected people and a information available on the contagious affects or others. I specifically only help with the pharmaceutical components. This is me. This is my background. I have been at Princeton since 2018 and I used to work at the geological survey and I worked throughout New England and also at the hydrologist and also endeavor Colorado. For over 23 years I was also involved in the pharmaceutical aspect of water resources and so what the water that is used within chemical industry aspects of the pharmaceutical use and then the after humans use pharmaceuticals how it goes into the environment again. So these are a couple of examples of pharmaceuticals and water and also different pharmaceutical research studies that have been done at my previous employment when I was worked at the geological survey. That might be of interest. I'm putting it in the chat box in case you're interested. I also help people, help people at Princeton University community but also New Jersey ends of the U.S. and internationally. If there any questions about any of this information for free to contact me either via email or call so I can show you some tricks. Who to help find chemistry information? This is usually it is present University engineering Elimite. Prospective students that are interested in the chemistry department at Princeton but also help other people on campus and humanities finance policy and that will be students faculty alumni and future students and other programs that are looking to [Indiscernible]. This is an example of one of the publications I use whenever people are looking for information about virus or COVID-19. The types of information, to a group of people I help for a federal libraries, the Princeton New Jersey community, as a whole and finest people in the New Jersey and New York area looking for investments. The others are testing for antibodies and vaccine research and treatment, different pharmaceuticals treatments for those that have carbon 19. The reason I get so many questions about pharmaceuticals is because New Jersey is where 13 of the world 20 largest pharmaceutical companies are located. On the first light I had said it was that medicine chest of the world. If you Google or use any search engine and type in medicine chest of the world you will get New Jersey. That is a tidbit of information. Here is more information about that. This is, we were dealing with COVID-19 in March and April and May when it was higher than now it was, there was a light in the news. And a lot about New Jersey solving the problem from the pharmaceutical Stanford. It was hard to get away from it because it was in the local newspaper, on the local news and you are some examples of the pharmaceutical and biotech companies and COVID-19 in New Jersey. New Jersey.com has a whole section on New Jersey magazine,

New Jersey monthly, WNYC and the [Indiscernible]. There are different stories that you can produce. Also this happened yesterday. It was the full committee hearing for the Senate committee on health education labor. If you go to the [Indiscernible] you can see this hearing about vaccines saving lives and protecting public health. The testimony are by the NIH director and the Surgeon General of the United States. That is usually any time something like this happens like yesterday, I also receive inquiries about these topics. You probably do as well but there is also an upcoming hearing that might be of interest in September, on the 23rd and archives hearing in the Senate are listed there. This is the chemistry lab. This is over the weekend, this is another new story that came out that I, because of the new story I help a lot of people find information about these pharmaceutical companies and what type of pharmaceuticals they may. This is an article from the New York Times. The present University there are two chemical companies that are pharmaceutical companies that we are affiliated with. There is a mark lab and also a Gentex there. This is another example of Princeton chemistry department. One of the COVID-19 studies. It is a viral host and direction in the program that was done by the biology department. At Princeton there is also the testing. This testing weekly the students staff and faculty. This is information. A lot of times I'm helping people are the people that are being tested on campus and they're looking for more about the tests that they're taking. That is required. Also that New Jersey, COVID-19 information has New York health and this is, from time to time they asked, the public will ask what test they are using. Is this the Princeton University test and that was back in April. They also have an approved test that was released in the [Indiscernible] from May 8, the first at home test. When people are looking for information about [Indiscernible] they want the company information about the test is a coded change names. That information is here. Now the website is IBX so the has a new version of the company. The other questions that I get about the saliva test and how it is being used by the universities, they had this allocation from August about the saliva test and how it actually works and how universities and workplaces are using it from all over the world are all over the United States, sorry. This is another topic comes up a lot is the active pharmaceutical ingredients. It is a chemistry, API. There's another one for computers but this is a chemistry version. This is one example of the story about the farmer school supply chain and what has been happening with the APS. [Indiscernible].org all of those are available for free. Anything dealing with COVID-19. That is another source. Another topic that comes up quite often is the EUA which is the emergency use authorization. This is a quick information source about what is going on from the FDA and different sources for the drug products and other medical aspects, antibody tests and a detailed information that is available. This is another topic that came up last week. Usually what happens is any time anyone reads a new story they come in and they contact me in they say I want more information about this specific drug. How can I find it. I go through the databases that we have at Princeton. A lot of them are Cistercians that I can show you some other tricks that come up. This is one of the most asked about in this report from WHO is one of the most requested from the date that it was released and the day after as well. That might be interesting. This is the chemistry resource slight that I made for my students and faculty. If you're looking for more information about the free information from, that is available from the chemistry archives and the different types of databases that we have that are Cistercians. A lot of companies have the [Indiscernible] register so those companies or if you need data help with that as well. These are the database

of all the chemistries that exist. This is something that was really back in May and is the the reality of the vaccine and this is from an alumni that Gordon Douglas, he was part of work and gave the story about how long it takes the drugs to be approved. This was an audio and a and it was available across different platforms so this might be of interest because the question of vaccines come up a lot and there is confusion about how long it takes them what the process is. This is just a quick example of how one persons perspective about how the vaccines work. This is what somebody asked me one time to put together how I see things when I'm helping people. The steps involved. This is one of them no it is using the Institute for health metrics and seeing how the data with the projections are for the death by state. Also by country and then comparing them. This, a lot of the databases are updated usually every couple of weeks. This is the one that I use the most. And we tried to find the link and put it in my chat box. This is very helpful especially if you are helping people as a librarian. This is compared New York and New Jersey. Be pretty much flattened the guy was an New Jersey but I stuck with the New York, New Jersey area because they don't want us to travel very far from where we live on campus because there is a lot going on. Just to compare because this is in the news from time to time. This is an example of Florida and Iowa. With the help health metrics. The other tools that I use often when I'm helping people both scientistss and nonscientists is with the COVID assessment. This is the one from George at Tech. Let me grab that link. This is one reason why I say in my world of New Jersey and New York here because there is less chance that somebody that I encounter will have it. That is something that is something that we are living with every day and it is the peace of mind. Somebody asked me one time because there are so many different scientific databases and many different government databases that what is it that I follow the most. I use this website that is updated every day so I check it throughout the day. I use it as a stepping stone to then go into all of the other chemistry databases that we have access to. I use this to get the summer and then I do the research to help with the literature and the chemical structure and the other types of information. It is something that you can use for the researchers but also just the general public. When they're looking for information. This is an example of what or not. The three that I helped with the most are the three is going back to this one. The ones that are in this [Indiscernible]. I know that [Indiscernible] trial the other day but Moderna resaved tons of request that you from all sites. From the financing chemistry site. Likewise, AstraZeneca at Oxford. They're looking for the technical aspects of the design which I used in medical chemical databases and drop it back to the generalized information. Likewise with Pfizer. And biotech. This is a snapshot of, this is something with I hope with a lot as well. It is a COVID-19 discovery and analysis data set, open access data set. This is something you can download directly and if you have any questions on the CIS group, they're always willing to help and they can help with the tips and tricks to finding these things where you get stuck. One of the things that I also wanted to mention, I don't know how many chemistry libraries are the call but Indiana has the chemistry [Indiscernible] information professionals and chemistry libraries. We basically, especially since it started, the exchange a lot of of pharmaceutical information together. I've been on it since this particular library and was first, I think head is been over the 10 years almost. This is the link if anybody wants to join. This is an example of the ACS article that I use the most since COVID-19 started. It listss everything that could be used as an agent or vaccine. Within this you can take the drug, the CAS number and put it into any chemistry database and pull all of the literature that this is affiliated with. This is a quick trick. This is an

example of site Finder. It is one of the drugs that if somebody has COVID-19 they have been given [Indiscernible] this is something that researchers want to find what the does and also the public. And chemically what it is. This is a quick aspect. Can also draw it in some other databases where you can draw the chemical searches and do the search as well. It is not necessarily textbased. The other database that I have is for the chemistry department is pharmaceutical substances. You can look up any chemicals or pharmaceutical substance and search by the formula and the Occult name and everything related to it. This is especially for juniors and seniors. This is one of the most helpful tools when looking at this type of research. Also googled patent. This usually faculty, you can use the Google patents in a databases as well. If you don't have access come if you don't have access to the other patent data you can use the Google patent. It is also international. We have access to BioRender. These are just some other quick examples of the flow of pharmaceuticals from the water quality Stanford. It comes up a lot. Is one example that depending on the state and what researchers have been done in the area they have been researching how COVID-19 has gone through and if it is gone through the water supply. There's a lot of different parameters that have to, you have to look at but there is, they are studying that and I United States and other countries. It is usually hydrologist that are doing that or civil engineers or environmental engineers. For chemistry news this is, these are some website that I've been trying to advocate just to keep up with that for patient because it does come fast every day. This is the CN the end news. There specific to the pharmaceuticals. Is always something everyday about the pharmaceutical industry or a vaccines or something because there's just so much work being done on that. Is also the CS.org and Kim archive. Just a shutout to come I saw this the other day on the technology is that you. There is going to be an upcoming, another COVID-19 presentation about the [Indiscernible] and the time of COVID-19 which may be of interest of someone. That is going to be on September 25th. There is information about how to register for that. I finish a little bit early. I wanted to show you the inside of our chemistry lab and then another picture of the science library and the campus plan for Tristan University to go if you happen to be in Princeton New Jersey and you see construction that is why. Because there's so much going on right now and that is the link to the campus plan.

Thank you Emily. Great webinar. As always. Very interesting information. Do we have any questions for Emily? Let's see. You will get these grant flies. They are terrific reference resource. You mentioned the preprint issue and I think a may have asked you an earlier webinar but you make a lot of use of preprints, the servers that I have heard about on papers that they put out? Met Rex?

I use bio archives and Kim archive. There is also can archives on the other page. I use all of them everyday because they have specific searches so you just click on anything related to SARS or the COVID-19. That is something that it is helpful to the researchers and the interesting part of what is going on right now especially from the pharmaceutical part is that they're so much available for free. So even if somebody doesn't have access to the information through Cistercian you can have the, you can [Indiscernible - overlapping speakers].

[Indiscernible] they're not peer-reviewed yet. Dues does that give any pause?

This is something that will be talked about in the particular talk. I thought it might be of interest others because it is something that we do receive a lot of questions about preprints and what is happening so I think, I would rather have these with a webinar is to address that.

Good point. Let's see if we have any questions. Information about the NIH preprint portfolio. Good information. Give that a look. Any other questions for Emily? Great information. So timely.

If anyone is interesting in joining the chemical group, you can refer to the website. Anything that is new and breaking is broken there.

Great. My colleague Ashley, just put the satisfaction survey in the chat box. Leesville that out if you would. Nora Stafford has a great site. That is interesting. I don't know if you had a chance to, she just did. I was going to ask about the URL. She just put the COVID.edu. There is pretty much every university is doing something which is great no which is also, there is is overwhelming.

Essay also put in a link to the training repository where you can find Emilys webinars for the last couple of years of which there are many. And a great webinar is so give that a look. Any other questions for Emily? Jake gives you a night shutout. This is going long which we appreciate. Not today.

It is you interesting because I usually do 30 minute presentations with chemistry. But this is longer.

I love the slide deck. There so much information available to go it is incredible. Everyone will have that. Let me, we have plenty of time but I will read my standard wrap-up comments. We have plenty of time for questions. First I would like to thank Emily for yet again another great webinar. We have more scheduled for the fall. We have three more for the fall schedule with Emily for about one with one of her Princeton colleagues. Take a look at that . I will like to thank my colleague, Ashley, for her great work for tech support and keeping everything running smoothly. Don't forget one of the, the only silver lining of COVID-19 is we are doing more webinars with higher registrations and higher attendance. That is good. We've got, the next webinar is Tuesday, September 15th, title site it was style. How government information resources is available, read it like a pro. Are virtual conference, on October 20th through the 23rd. This is usually a person but it is virtual this year. We have excellent presenters so keep out a look for that. You will receive notice of webinars when you sign up for our alert service and from the FDLP Academy webpage which is linked to in the index session at the bottom of the FDLP.gov home page. You can view a calendar of upcoming webinars and other events, access pass webinars from the archive and link to a webinar form to volunteer to present FDLP Academy webinar. I noticed this has to be people in the audience that will do a great webinar. Let's see if we have any last other questions for Emily. We don't want to leave anybody out.

I think we're good.

Thank you. That is my buddy Ashley. Let me scroll to the bottom. A lot of good links in the chat. Just a lot of things use and shout outs. You must have covered every based ago I think I will close things out. Thank you one more time Emily. Another great webinar and you have more coming up. Thank you Ashley and thank you ideas and comment back to the FDLP Academy for Margaret webinars and have a great rest of your day.
