NIH TECHNOLOGY TRANSFER COMMUNITY NEWSLETTER

January 2021

Two NIH Duos Receive 2021 Golden Goose Award

Richelle Holnick, OTT

The importance of seemingly obscure medical research is often hard for the general public to understand when they are looking into where federal funding goes. In the 70s and 80s, this led to federally funded scientific research often being singled out and awarded Senator Proxmire's "Golden Fleece Award" for what he considered to be wasteful spending. Out of this grew the Golden Goose Awards, envisioned about 20 years ago and first awarded in 2012. These awards go to groups of researchers whose research led to major breakthroughs in biomedical research medical treatments, and computing and communications technologies. This year's awardees include a few different groups from NIH whose previous research allowed them to help deliver a COVID-19 vaccine in record time.

Barney Graham and Kizzmekia Corbett, mentor and mentee since Corbett was a high-school intern, have been studying coronaviruses at NIAID's Vaccine Research Center for many years. Graham and his team discovered how to determine the structure of a protein on the respiratory syncytial virus (RSV) that is similar to the spike protein in the coronavirus. Graham and Corbett partnered with Jason McLellan and his team to determine the structure of the SARS-CoV-2 spike protein. All of this research happened before the pandemic, which allowed them to use their research findings to develop a stabilized version of the spike protein, which is the backbone of the COVID-19 vaccine.

Emmie de Wit and Vincent Munster, a married couple who also work at NIAID, performed research that was vital to understanding if this vaccine would work in humans. de Wit has been studying viral outbreaks since the 2000s, and Munster has been studying how these viruses move from animals to humans. Their work complements each other, but they have separate labs. They study animals to learn about a virus and how to create tests to figure out if a vaccine candidate or treatment can work in humans. The pair's previous experience developing animal models for other viruses and the procedures that they already were comfortable using gave them the ability to jump into developing new ways to understand the virus and test vaccines and antiviral treatments.

Due to the work of Corbett, Graham, de Wit, and Munster, two vaccines have been approved in the US now. As a recognition of their hard work and to highlight how you never know what work will provide a lifechanging breakthrough, these researchers have been awarded the 2021 Golden Goose Award.
Click the image to the right to watch the video 'A Spike in Momentum'.

In This Issue

Quiz Question

Barry Buchbinder, NIAID

As we just finished a presidential election year ....

Who is the only US president to be a patentee?

Look for the answer further into the newsletter!

Trio of NCI Awardees

Michele Newton, NCI

NCI Technology Transfer Ambassadors Program (TTAP) Team to Receive NIH Director's Award

"In recognition of the NCI Technology Transfer Ambassadors Program: Lab to Market Training for Post-doctoral Scientists Across the NIH"

Award Recipients: Drs. Abritee Dhal, Taryn Dick, Rose Freel, Laura Prestia

The NCI Technology Transfer Ambassadors Program (TTAP) is a free training program for post-doctoral fellows seeking to enhance their current research activities with hands-on training in biomedical invention development, commercialization, and entrepreneurship. TTAP is a particularly unique opportunity for its range of subject matter; experience gained through training is valuable toward a wide variety of non-traditional PhD career paths. Previous Ambassadors have pursued careers such as: federal Technology Transfer Managers, Patent Agents & Technical Specialists at law firms, Senior Associates working in Clinical and Corporate Contract Resource Management at universities, Health Science Analysts in the federal government, Drug Reviewers at the FDA, and Staff Scientists or Senior Scientists in the federal government or private sector. TTAP Ambassadors have added value to the annual Technology Showcase by putting into practice their newly acquired technology transfer skills and presenting pitches and posters about the commercialization potential of NIH technologies. To learn more about TTAP, visit here.

NCI Transition to Industry Fellowship Program (T2I) to Receive NCI Director's Award

Champion Award – Promoting Collaborations

Award Recipients: Drs. Sabarni Chatterjee, Abritee Dhal, Eric Cheng, Lauren Nguyen-Antczak, Laura Prestia, Thomas Stackhouse, (TTC); Drs. Tom Misteli, Joel Schneider, (CCR); Erika Ginsburg, Jonathan Wiest (CCT), Drs. Gregory Evans, Michael Weingarten (SBIR)

The NCI Transition to Industry (T2I) Fellowship is a first-of-its-kind training program launched in January 2020 that can support two fellows per year for a two-year term. The T2I Fellowship takes advantage of the strong NCI research and development expertise in its many laboratories and programs, and the training opportunities of the intramural program (Cancer Research Training Award [CRTA] and Research Fellowship) to provide an environment to incentivize champions of an intramural invention/patented technology with resources to support the technology's development toward a regulatory milestone (IND or IDE), clinical trials, and subsequent commercialization.

T2I was developed and implemented through the joint efforts of staff from the Center for Cancer Research (CCR), TTC, Small Business Innovation and Research Development Center (SBIR), and Center for Cancer Training (CCT), to support post-doctoral career development while closing the "technology gap" toward commercializing an NCI invention. The team designed, developed, and successfully implemented this innovative new fellowship to accomplish to core goals.

1. Increase the commercialization potential of NCI inventions
2. Support post-doctoral entrepreneurship and industry-focused research training

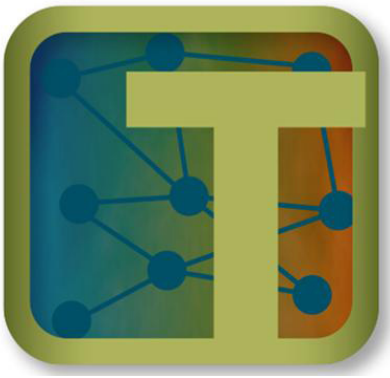
To learn more about T2I, visit here.

Team Responsible for Annual Technology Showcase to Receive NCI Director's Award

Award Recipients: Drs. Joseph Conrad, John Hewes, Laura Prestia, Michael Salgaller and Michele Newton (TTC); Drs. Vladimir Popov, Maggie Scully and Victoria Brun, Maryellen Hackett, ((Frederick National Laboratory for Cancer Research (FNL)); Dr. Walter Hubert, NCI Frederick Office of Scientific Operations

In 2016, TTC recognized the need for a new, unique event to encourage collaboration and licensing of inventions from Frederick National Laboratory (FNL) to regional technology developers and stakeholders. By 2017, TTC, the NCI Frederick OSO and the FNL Partnership Development Office (PDO) proposed such an event that would also provide researchers a professional development opportunity to better understand how to move their research from bench to bedside to market. By hosting it at the FNL, they recognized an opportunity: they reached out to the economic development offices of the City and County of Frederick and TEDCO to leverage their regional knowledge, resources, relationships, and expertise. The organizations agreed on goals; under TTC leadership, they entered into a co-sponsorship agreement.

The event – now in its fourth year – centers around NCI and FNL researchers who pitch their technologies to an audience of biotechnology development stakeholders (in contrast to traditional scientific presentations). In addition, representatives from the NCI Technology Transfer Ambassadors Program – composed of post-doctoral scientists seeking unique professional/career education opportunities – develop and present posters highlighting the commercialization potential additional NIH technologies. Importantly, the awareness and outreach provided by the annual Technology Showcase means that regional stakeholders now understand they can turn to NCI and FNL when looking for a subject matter expert for collaboration to overcome a technology hurdle. They can engage NCI and FNL when looking for an innovation to license to bolster their pipeline.



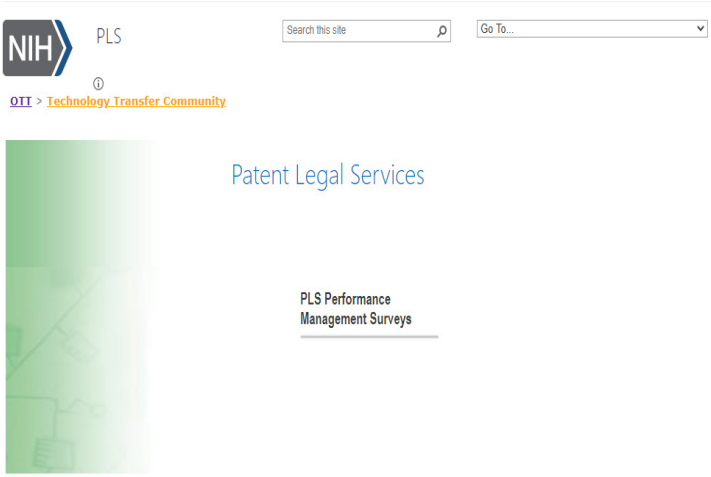
See: "Team Responsible for Technology Showcase Receives NCI Director's Award" Poster, NCI Frederick"

NIH Patent Legal Services Performance Management Ad Hoc Surveys

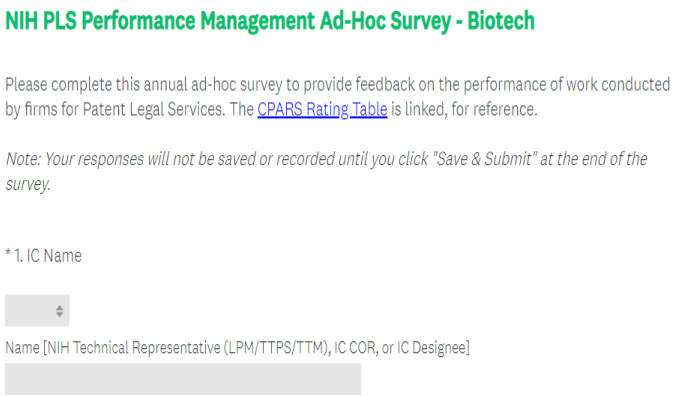
Amanda Wingo, OTT

With the transition to the new Patent Legal Services (PLS) contract, there are exciting opportunities for the NIH Technology Transfer (TT) community to provide timely feedback on the performance of NIH PLS Law Firm contractors.

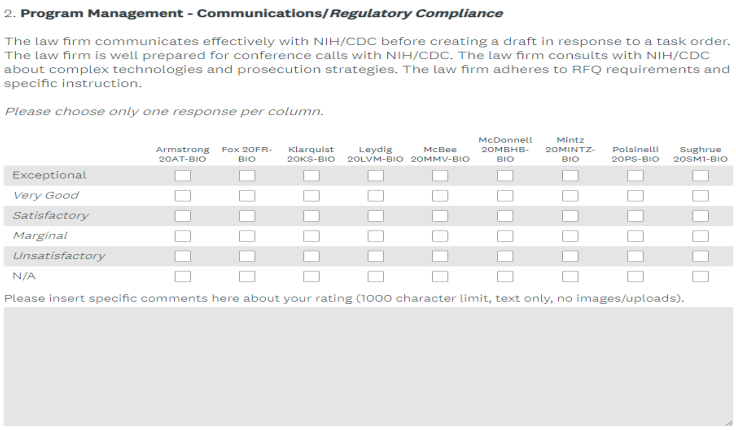
Note: This process does not currently apply to NCI, as they have not transitioned to the new PLS contract.



In the context of the larger PLS Performance Management Communications Plan, the recently launched Ad Hoc Surveys are one method of communicating both qualitative and quantitative feedback. These surveys are not only an assessment tool to support the input for the annual Contractor Performance Assessment Reporting System (CPARS) requirements, but a mechanism to give active input to law firms and identify risks before they become issues. The PLS Performance Management Ad Hoc Surveys are tailored to the relevant law firm categories, including Biotech, Chemistry, Software, and Mechanical Engineering Firms. The links to the Surveys can be found by navigating from the main Technology Transfer Community page in SharePoint to the PLS Contract Page which will bring you to the link for PLS Performance Management Surveys Page. Brief instructions and summary information will direct you to the four individual survey links at the bottom of the page. The surveys allow you to submit your ratings on individual law firm performance. Each question inquires about a different performance function and allows you to rate multiple law firms simultaneously. A text box is also available after each question, as well as at the end of the survey if you would simply like to make a general comment not associated with a cited performance function. Although the survey is brief (8 questions), there is no expectation that every question or field needs to be completed within the survey. Users should feel free to focus their feedback on a specific performance area. The NIH TT Community can submit multiple Ad Hoc Surveys using these same links. While the ad hoc survey serves as an opportunity to have your voice heard in the performance of the NIH PLS Law Firm contractors, this is a voluntary survey. The benefit to the overall Patent Legal Services contract is that this provides a structured format that can inform activities to address corrective actions and to promote mutual objectives. The survey results will help in the management of the PLS contract with timely data so that law firms can be with provided feedback on their performance and take proactive measures to correct performance issues prior to annual feedback to CPARS.



PLS



2. **Program Management - Communications/*Regulatory Compliance***

The law firm communicates effectively with NIH/CDC before creating a draft in response to a task order. The law firm is well prepared for conference calls with NIH/CDC. The law firm consults with NIH/CDC about complex technologies and prosecution strategies. The law firm adheres to RFQ requirements and specific instruction.

Please choose only one response per column.

	Armstrong 20AT-BIO	Fox 20FR-BIO	Klarquist 20KS-BIO	Leydig 20LVM-BIO	McBee 20MMV-BIO	McDonnell 20MBHB-BIO	Mintz 20MINTZ-BIO	Polsinelli 20PS-BIO	Sughrue 20SM1-BIO
Exceptional	☐	☐	☐	☐	☐	☐	☐	☐	☐
Very Good	☐	☐	☐	☐	☐	☐	☐	☐	☐
Satisfactory	☐	☐	☐	☐	☐	☐	☐	☐	☐
Marginal	☐	☐	☐	☐	☐	☐	☐	☐	☐
Unsatisfactory	☐	☐	☐	☐	☐	☐	☐	☐	☐
N/A	☐	☐	☐	☐	☐	☐	☐	☐	☐

Please insert specific comments here about your rating (1000 character limit, text only, no images/uploads).

People Are Buzzing About the NCI/FNL Technology Showcase

Richelle Holnick, OTT

Have you heard the buzz around NCI and Frederick National Laboratory's Technology Showcase? For the first time ever, BioBuzz has launched the first annual BioBuzz Awards to recognize important work being done in the biohealth community. They announced seven categories, and the NCI/FNL Technology Showcase has been selected as a finalist for the BioBuzz Media Award!

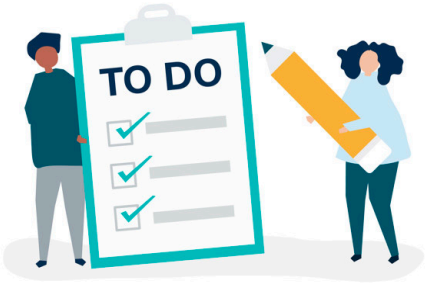
This award is given to a media campaign that aligns with their mission 'to create exceptional experiences that better connect people and employers and foster a stronger regional ecosystem.' These media campaigns can take a variety of approaches, such as a webinar, a podcast, video series, etc. with the goal of engaging and connecting people in the biohealth community. The showcase serves to feature technology transfer and the intramural program's PIs. The PIs give presentations that focus on more than just the science; they feature collaboration and licensing opportunities for tech transfer at NIH. This is one of the only NIH events to do so!

The 2020 showcase had to pivot to an online format due to the pandemic. Even in this new format, the Tech Showcase was a smashing success! It highlighted 24 technologies and fostered networking and interest in future collaborations between NCI and FNL investigators and attendees. While moving to a virtual format for a traditionally in person event can be challenging, the planning committee did a wonderful job of utilizing the new format to attract other interested participants. The showcase had attendees from not only the US, but also the UK, Switzerland, Malaysia, and Brazil.

The showcase was one of three finalists selected to be voted on by the public. Although they weren't the final winner, it was an honor to have been selected as a finalist.

ETT Phase One is Almost Done

Tim Leahy, OTT



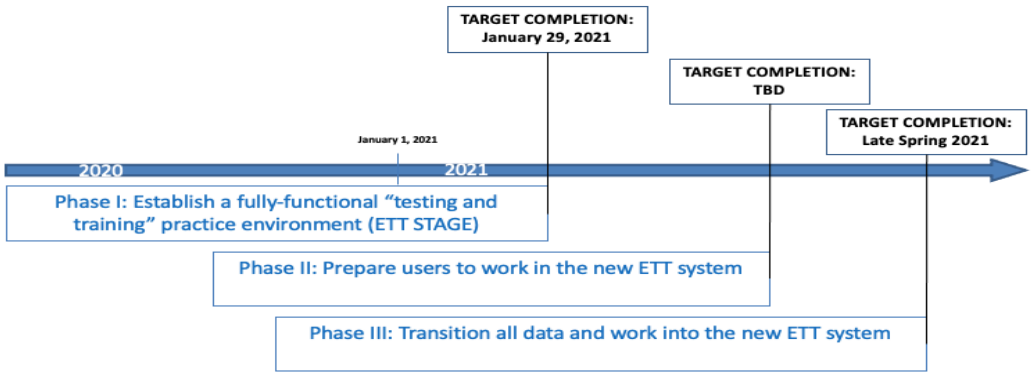
As you are reading this, Phase I of the ETT implementation process will be almost complete! This phase served to establish a fully functional "testing and training" environment to allow users to practice and learn how the new system works. When Phase I is complete, all of the modules of the system will be in their final "go live" configuration, and a complete set of NIH data, including data from every IC, will have been loaded. We will then move into Phase II, which will give the NIH tech transfer community time to prepare for working in the new ETT system. Training is already being provided on how the various modules of the system work, and new training on the specific workflow used by OTT and each IC will begin shortly after the practice environment is completed. This phase will allow enough time for users to become comfortable working in the system, familiarize themselves with ETTs various capabilities, and get answers to many of their questions about their specific needs. Phase III will not be started until all of the ICs and OTT are comfortable working in the system.

For planning purposes, we are targeting the completion of Phase III for late Spring 2021. This phase will establish the final production environment, conduct the migration of the current OTT database and IC databases, and transition all users to working in the new ETT system. We also will conduct a post-migration data cleanup to identify duplicate records created by combining the nine different databases and then merge the duplicates into a single record.

At the completion of Phase III, NIH will have replaced the stand-alone IC technology transfer database systems and the current central system, NIH TechTracS, with the new ETT system. This system will be more advanced and will serve as a single, centrally managed technology transfer database that allows for more efficient technology transfer information management across all NIH ICs and OTT. Bringing all of these functions under one system will provide a better user experience for personnel within the TTOs and make their jobs easier.

The new ETT system will be critical to our continued success, and we look forward to progressing through the phases to system launch!

Where we are, and where we're going



49 Teams Selected for Innovate Children's Health Challenge (ICHC)

Michele Newton, NCI

In October, the Center for Advancing Innovation (CAI) selected 49 teams to participate in the Innovate Children's Health Challenge. NCI along with NCATS, NHGRI, NICHD, NHLBI, NIAID and NIDCR each have inventions featured in the Challenge. Additional inventions from academic institutions and other entities are also part of the ICHC.

In the first phase of the competition, teams produced "elevator pitches" and executive summaries, which CAI and the public voted on October 3 – 8. In Phase 2 of the ICHC, semifinalists are working to produce comprehensive, 10-page business plans on how to commercialize promising inventions that are topics of the challenge; they will also produce financial models and a pitch deck. By January 2021, semifinalists will submit their business plans and financial models and pitch to a judging panel comprised of leaders from industry, academia, foundations, patient advocacy groups, and investor groups.

Earlier in 2020, TTC worked closely with CAI to establish the latest challenge and coordinate involvement by NIH ICs. Through CAI, the Challenge is supported by Resonance Philanthropies, a donor-advised fund of the Silicon Valley Community Foundation. To conclude Phase 2 of the challenge, judges will select 15 winners. Winners will form start-up companies, pursue licensing agreements from institutions where promising inventions were sourced, and pitch for early-stage funding from CAI's network of investors. Challenge winners who selected an NIH invention will apply for a license through the standard NIH license process.

Learn more: press release, Phase 1 Elevator pitches and ICHC.

Missing NIH Inventor Contact Information

Karen Rogers, OTT

The OTT Royalties Administration Unit is having problems locating some inventors that have left the NIH. Personal contact, banking and SSN are needed before the NIH Office of Financial Management can distribute inventor royalties. OTT staff have searched NIH TechTracS, Employee Invention Reports (EIRs), and the internet. We've reached out to IC TTOs and co-inventors and still may not be able to locate some of our former inventors. Why? Because some technologies are not licensed for many years after the EIRs are submitted. How can you help?

- Require inventors to provide personal contact information on Employee Invention Reports—particularly personal e-mail addresses.
- As you are in contact with inventors to discuss their research, licensing or patents, encourage them to stay in contact with your IC TTO and provide updated contact information.
- Update our system of record, NIH TechTracS (and in the future ETT) whenever you obtain updated inventor contact information.
- Remind inventors to notify the Office of Financial Management if they change bank accounts or move.
- Let inventors know that if they pass away, their royalties would continue to their beneficiaries. Encourage them to tell their Estate Personal Representative or leave this information in their Trust or Will.

What if inventors have questions or need the ACH form? Additional information can be located on the OTT Technology Transfer Website at: https://www.ott.nih.gov/royalty/information-nih-inventors

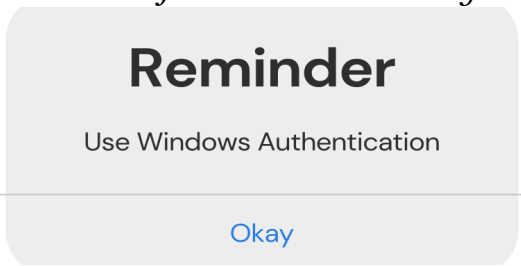
SharePoint Log In Reminder

For NIH employees and contractors: if you are not physically at a NIH location, please connect via VPN. When connecting to OTT SharePoint over VPN, the system might ask you to authenticate. Please choose **Windows Authentication** and enter your NIH username and password in the form of "NIH\[username]" and password.

If your computer allows you to use **Windows Authentication** with your **PIV card**, you can try to log in that way.

SharePoint Tip: If you use iTrust, you will be denied access as the certificates stored within your PIV card will not identify you.

For CDC and FDA clients, please use iTrust to login. Use your username and password.



Employee Invention Report (EIR) New Process Coming with ETT

Amanda Wingo, OTT

Current process…

New technologies are invented by researchers working at the institutes and centers (ICs) of NIH and reported to the Office of Technology Transfer via the OTT File Room email account --- ottfileroom@mail.nih.gov. The email submission's subject line contains the text "New EIR" and attached are completed Employee Invention Report form(s). OTT staff are responsible for capturing all information needed to protect NIH intellectual property rights and ensure proper distribution of any benefits to the researchers, ICs, and external partners who are entitled to them in the TechTracS system.

Future process…

As reviewed at a recent TTUG, the NIH Enterprise Technology Transfer System (ETT) Technology Record Creation process will replace the current EIR submission process using TechTracS. When new technologies are invented by researchers working at the institutes and centers (ICs) of NIH or the CDC, they will be reported to Technology Transfer personnel working at those ICs or their Technology Transfer Service Centers. Those Technology Transfer personnel are responsible to capture all information needed to protect NIH and CDC intellectual property rights and ensure proper distribution of any benefits to the researchers, ICs, and external partners who are entitled to them. The ETT system provides a sufficiently robust and flexible data structure to store a wide range of records and related documentation. The new process provides guidelines for creating Technology records that will preserve a complete copy of all critical information.

***Please note that it is very important to ensure that a home address, personal email and phone number are entered for every inventor. Having this information in the system makes it much easier to contact and distribute royalties to individual inventors.

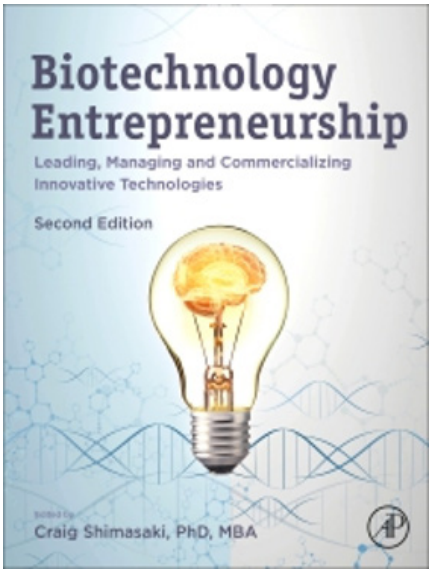
If you have questions on the new process please reach out to the email box: ottfileroom@mail.nih.gov

NIH Tech Transfer Featured In New Biotech Entrepreneurship Text

Steve Ferguson, OTT

"Licensing the Technology: Biotechnology Commercialization Strategies Using University and Federal Labs" is one of the featured chapters in a new biotech textbook just released by Elsevier. Prepared by Steve Ferguson from OTT and Uma Kaundinya, formerly of the University of Massachusetts and the Massachusetts General Hospital technology transfer offices, this chapter highlights the advantages that small biotech companies can gain though licensing, collaboration and other relationships with NIH and academic medical centers.

This chapter appears in the second edition of **Biotechnology Entrepreneurship: Leading, Managing, and Commercializing Innovative Technologies** which was designed as an authoritative, easy-to-read guide covering biotechnology entrepreneurship and the process of commercializing innovative biotechnology products. As in the first edition, this work provides a best practice resource for professional training programs, individuals starting a biotech venture, and for managers and experienced practitioners leading biotech enterprises. Besides technology, licensing subjects in the text range from translating an idea into a viable business, forming your legal company entity, securing angel and venture capital, navigating product development, FDA regulatory approval, and biomanufacturing. An additional NIH-related chapter in the book is "Seven Characteristics of Successful Biotechnology Leaders" from Lynn Johnson Langer, who serves as Executive Dean of Academic Programs at the Foundation for Advanced Education in the Sciences (FAES) at the NIH.



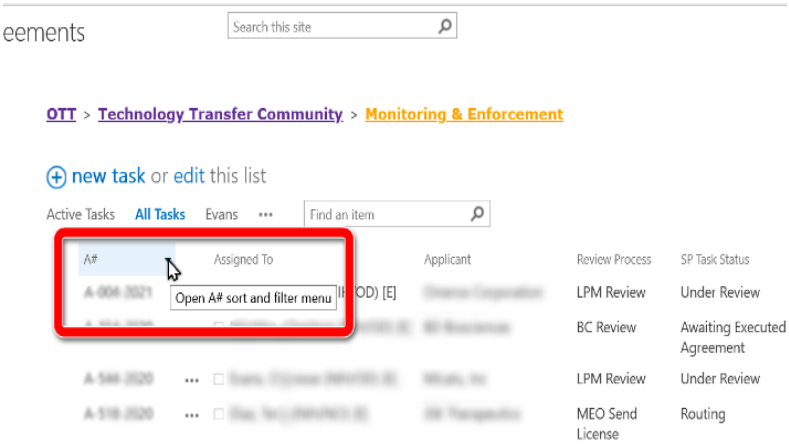
Arrangements have been made with the Elsevier publisher for a donation of a hard copy of the new 2nd edition text to the collection of the NIH Library when it re-opens post-pandemic. In the meantime, a digital copy of the second edition of the tech transfer chapter is available for reading here on the OTT web site. In addition the NIH Library now has full text digital copies of the entire textbook for download by NIH patrons here.

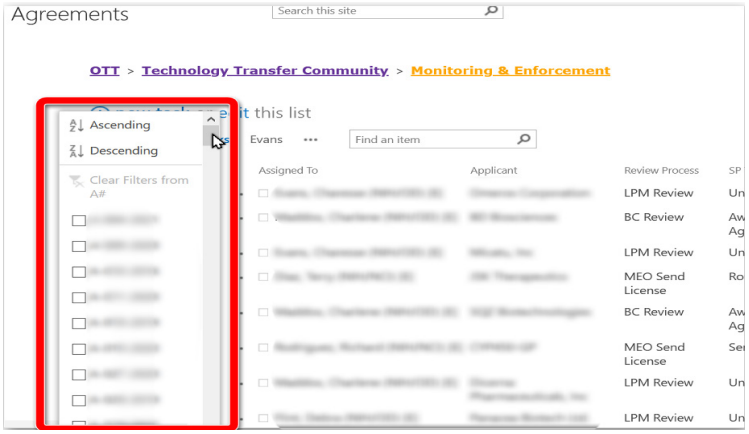
Are You Having an Issue Working with Licenses and Agreements in SharePoint?

Mitchell Ha, Sapient

When troubleshooting a license or an agreement, the first step is to locate it in the list, either by sorting or filtering the license/agreement list.

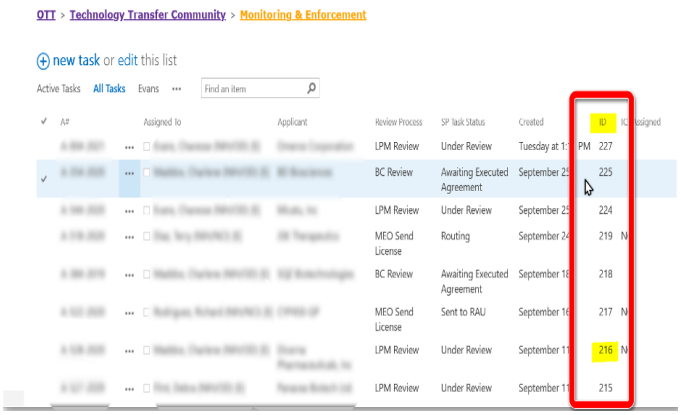
Click on the menu drop down for the column header. Pictured below is filtering the agreement number (*A#*) column. The same applies for *Title* columns.

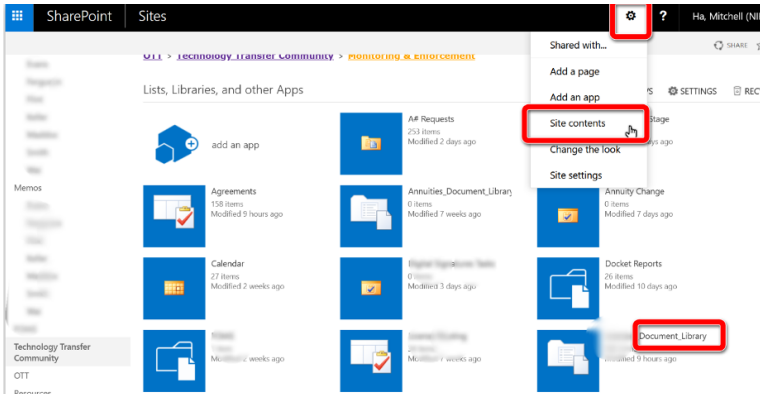




The user should now see a list of eligible A#s.

The Agreement ID, also known as a *Task ID*, (recognized by the back-end system, independent of A#s) is displayed in certain list views. With the Agreement ID, the user can see which documents are attached to the Agreement. For example, say the Agreement in question has an ID (or Task ID) of 216 as highlighted in the picture.





The user can then navigate to the documents repository by clicking on the Gear icon on the upper right hand corner --> Site Contents --> License_Document_Library.

All Licenses and Agreements have a document repository name of "License_Document_Library"

Once in the document library, sort or filter by the Task ID. To continue the example, the Task ID we are looking for in this example is 216.

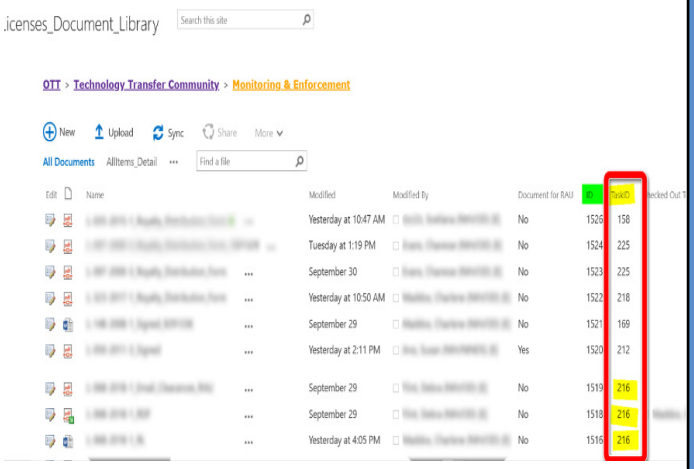
Note that the items in the document library have their own ID which is an internal number assigned by the system.

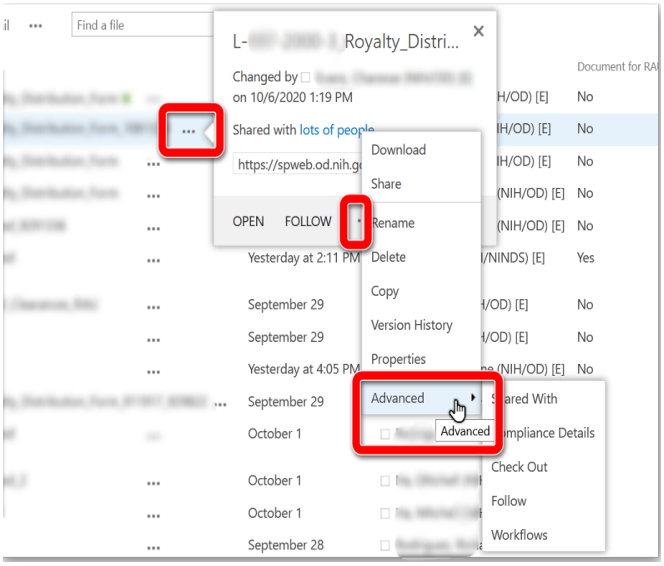
*In summary, "IDs" in this example work this way

License *ID* = it's own identifier (referenced in License Documents Library)

License *ID* = License Document's *Task ID*

License Document *ID* = it's own identifier (not referenced anywhere else)





At this point, we can delete documents attached to Task ID 216 from the library. Or we can also check them out and edit them as needed.

To do so, we would click on the "..." menu action button. This will bring up a dialog box with buttons at the bottom "Open Follow ..."

Clicking the third button "..." will bring up further menu actions such as Download, Share, Rename, Delete, Copy, Version History, Properties, and Advanced.

The *Advanced* menu will bring up options such as "Shared With, Compliance Details, Check Out, Follow, and Workflows."

If you have any OTT SharePoint related requests, please submit a helpdesk ticket referenced to *OD-NIH-OTT SharePoint Support*.

SharePoint

Celebrate the Bayh-Dole Act's 40th Anniversary

Richelle Holnick, OTT

What do Google, ETFs, and the nicotine patch all have in common? They were all inventions made possible because of the Bayh-Dole Act. This historic piece of legislation was passed in order to allow inventors to retain ownership of the IP of inventions made under contract with the federal government. However, this piece of legislation almost missed its chance. Senator Birch Bayh was given a chance to introduce the bill to the Senate on November 21, 1980, the last day of the 96th Congress. Unfortunately, he was away from his office on Capitol Hill and would not be able to make it to the Senate floor on time. He had lost his reelection, so this was the last day that he would have the chance to bring the bill to the floor. One of the Bayh's staff members was lucky enough to run into Bob Dole, the bill's other author, and he was able to introduce the bill, which was signed into law on December 12, 1980.

Prior to the BDA, companies felt that they had no incentive to work with the federal government in the technology transfer space. This act removed some of those barriers and resulted in countless scientific advances from the large increase in public-private collaborations due to the act making these partnerships much easier. According to the Bayh-Dole 40 website, the BDA has increased U.S. economic output by $1.7 trillion and supported 5.9 million jobs.

On October 28th there was an anniversary celebration. You can watch the recorded webinar here. According to the event website, the webinar features "speakers from across the political, technology transfer, university research, and legal spheres will share their insights and unique experiences with the Bayh-Dole Act — which range from surviving non-Hodgkin lymphoma thanks to a Bayh-Dole-spurred cancer treatment, to overseeing the tech transfer office that managed the licensing of Google, to drafting the legislation itself. The webinar will also touch on the impact of misusing march-in rights as a price control, the relationship between Bayh-Dole and the U.S. patent system, and the risks assumed by the private sector when commercializing a publicly-funded innovation."

Pictured to the right is Senator Birch Bayh and President Carter.

NINDS Senior Investigator, Richard Youle, Ph.D., receives Silicon Valley Award

Richelle Holnick, OTT

IRP senior investigator, Richard Youle, Ph.D., received the Breakthrough Prize in Life Sciences for his discoveries about the biological roots of Parkinson's disease. This award is given to someone who makes "transformative advances toward understanding living systems and extending human life." The award was started by tech company CEOs and founders, garnering the label of being Silicon Valley's answer to the Nobel Prize.

Dr. Youle is the head of the Biochemistry section at the NIH's National Institute of Neurological Disorders and Stroke (NINDS). Youle and his lab made discoveries on how the the PINK1 gene and the Parkin protein are linked and lead to mitochondrial turn over. This discovery has led to pharmaceutical companies developing methods of treating Parkinson's disease by increasing the rate of disposal of damaged mitochondria. Dr. Youle has stated that this discovery, and resulting award, is a result of the freedom that NIH has given him in his research and a reflection on the NIH intramural program.

Dr. Youle has contributed a lot to the technology transfer at NIH since he began his career here in 1978. He has been awarded 16 patents and has received three NIH Director's Awards. Congratulations to Dr. Youle on behalf of the entire Tech Transfer community!

Congrats to IC Director's Award Winners

Michele Newton, NCI

National Eye Institute (NEI) Director's Award

TTC's Edward Fenn, J.D. (TTM) and Andrea Samari (Technology Development Administrative Specialist) along with NEI's Technology Development Coordinator (TDC), Mala Dutta, Ph.D. were awarded the 2020 NEI Director's Award. This Administrative/Technical Excellence award was bestowed for "licensing NEI cell therapy intellectual properties to the right stakeholders for maximal return for the NEI." NEI's Dr. Kapil Bharti put forward the nomination.

NIH Clinical Center Director's Award

TTC's Ken Rose, J.D., Ph.D. was honored on December 18 with the 2020 NIH Clinical Center Award. as a part of the CT Artificial Intelligence in COVID-19 Team. This Making an Impact award was bestowed for" pivoting research towards multinational data and developing a CT scan artificial intelligence tool for detection of COVID-19, and differentiation from flu and other pneumonias."

Quiz Answer

Barry Buchbinder, NIAID

Abraham Lincoln was the only president to have applied for a patent. His invention was never commercialized.

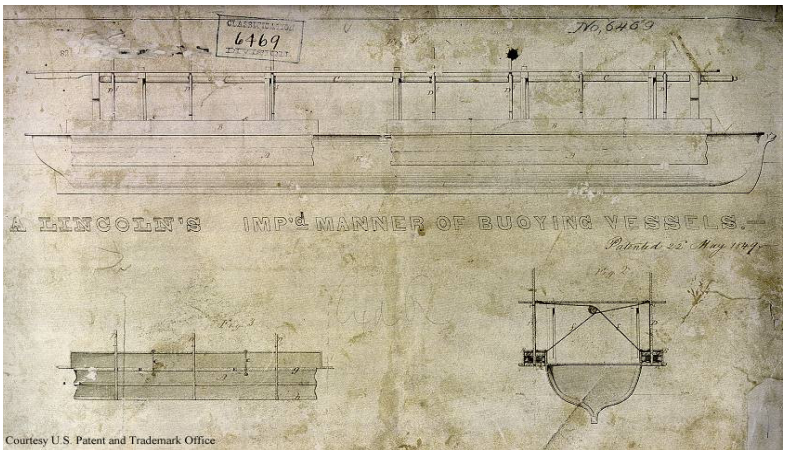
As a young man, Lincoln took a flat boat load of merchandise down the Mississippi River from his then home in New Salem, Illinois, to New Orleans, Louisiana. At one point the boat slid onto a dam and was set free only after heroic efforts. In later years, while traveling on the Great Lakes, Lincoln's ship ran afoul of a sandbar. These two similar experiences led him to conceive his invention. Lincoln received Patent #6,469 for "Manner Of Buoying Vessels" on May 22, 1849.

The invention consists of a set of bellows attached to the hull of a ship just below the water line. On reaching a shallow place, the bellows are filled with air and the vessel, thus buoyed, is expected to float clear. The invention was never marketed, probably because the extra weight would have increased the probability of running onto sandbars more frequently. Lincoln whittled the model for his patent application with his own hands. It is on display at the Smithsonian Institution National Museum of American History and is viewable online.

During the Civil War, Lincoln took a personal interest in new weapons, advocating the adoption of ironclad ships, the observation balloon, the breech-loading rifle, and the machine gun.

Lincoln's law practice included patent litigation. He also spoke on patents. In 1858, Lincoln called the introduction of patent laws one of the three most important developments in the world's history, along with the discovery of America and the perfection of printing. He ended with **"The patent system … added the fuel of interest to the fire of genius …".**

More information: Wikipedia



U.S. Patent #6,469

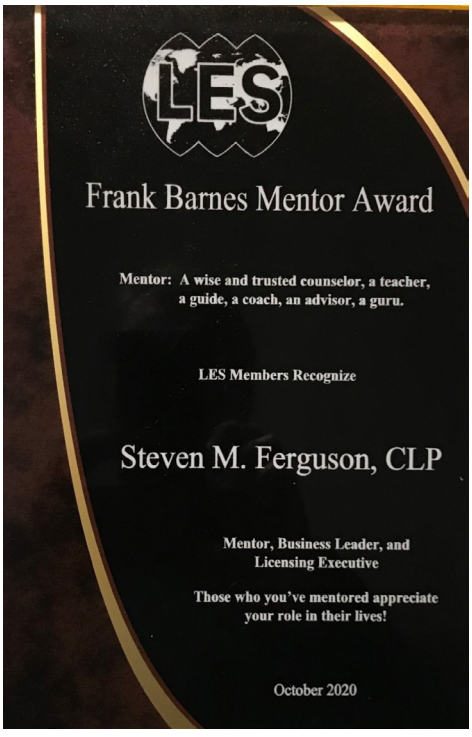
LES Frank Barnes Mentoring & AUTM Volunteer Service Awards Go To Steve Ferguson!

Richelle Holnick, OTT

While the 2020 pandemic year has been a challenging one for our Tech Transfer Community, it nevertheless has been an active one for OTT's Steve Ferguson. Although not able to accept either of the awards in person with national conferences either cancelled or switched to online format, Steve was recognized for his long-standing contributions to technology transfer with top awards from both the Licensing Executives Society (LES) and the Association of University Technology Managers (AUTM).

From LES, Steve was the recipient of the 2020 Frank Barnes Mentoring Award. Like Mr. Barnes, LES noted that Steve has devoted his career to inspiring and encouraging further innovation in the licensing sector and is a mentor for the broader technology transfer community. The citation also recognized him as an expert, a socially-aware leader, and an educator. In his 30-year career in technology transfer, Steve has trained and mentored dozens and dozens of licensing professionals and is always gracious and generous in sharing his knowledge and enthusiasm about the field.
From AUTM, Steve was recognized with a 2020 Volunteer Service Award by citing Steve's work as a co-chair and multi-year member of the AUTM Valuation Committee. Each year, he has worked with the committee to help develop, implement, and deliver training courses on technology valuation. These trainings include the AUTM Annual Meeting Valuation Course and other courses around the world

Besides his duties at OTT, Steve is also a past or present board member of the US-India Science & Technology Endowment Fund, the Bio-Life Gap Fund and the Foundation for Advanced Education in the Sciences (FAES) -- where he also doubles up as faculty and Department Chair. He is a Certified Licensing Professional (CLP) and started his professional career at NIH as an NCI intramural scientist before working in industry.



Just like NIH tech transfer's founding father, Phil Chen, Steve is a trombone player and has been part of the AUTM Band "The Infringers" as well as the NIH Community Orchestra, the NIH Brass Ensemble, and several local big bands. Steve's activities away from NIH have been numismatics as well as coaching and participating in marathon training programs where he has now completed 64 marathons.

Congrats again to Steve from entire NIH technology transfer community!

Website Enhancement Update

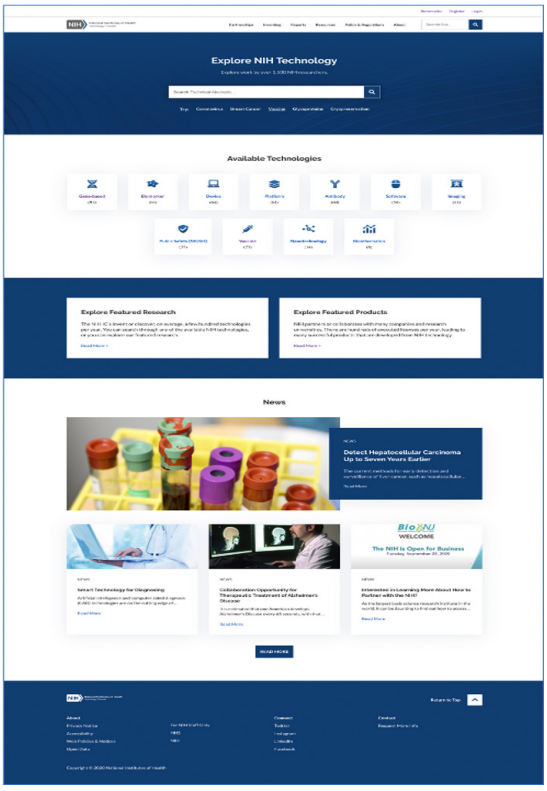
Brian Gallagher, Sapient

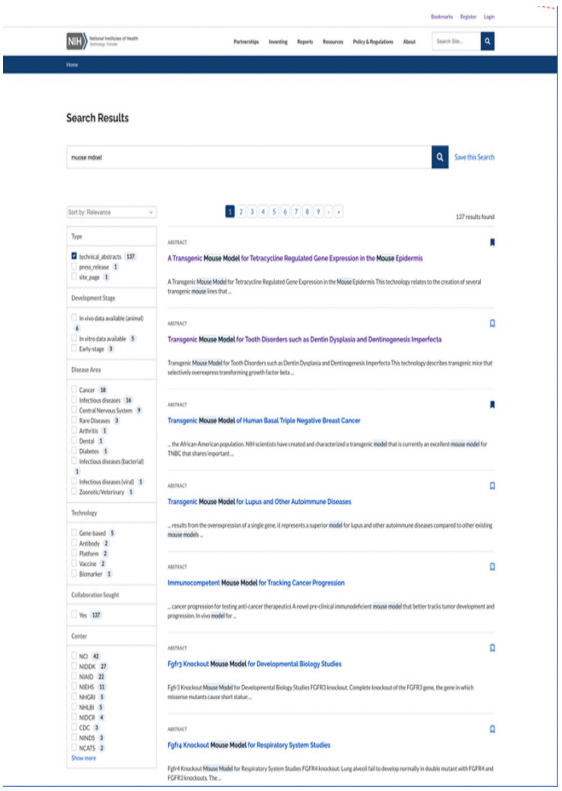
In Quarter 4 of 2020, representatives from the ICs were able to get a sneak peek at the new Tech Transfer Community website. The prototype website has been built out based on community and customer input and representatives were able to review what has been done so far and make suggestions on how to further improve the website and ensure that it is what the community needs.

The new website was created with building and supporting the Technology Transfer Community at NIH in mind. Great attention has been paid to crafting a better user experience for internal users while maintaining the core functionality of the site that is important to everyone. The branding of the website has shifted from its current incarnation as an "Office of Technology Transfer" site to an "NIH Technology Transfer" site to reflect its purpose in supporting the general NIH TT community.

The biggest feature of the new website for external users that most participants from the ICs were excited about is the new and improved Search function. The Home Page will display a prominent search bar that will invite users to search through NIH technology as soon as they land on the website and easily find opportunities that meet their needs. They will be able to filter by type, development stage, disease area, technology, if a collaboration is sought, and by IC. This improved search capability will allow a faster search process and better user experience.

The suggestions the IC representatives made are being reviewed and further updates on the website will be forthcoming. We are very appreciative of the time and effort the Tech Transfer Community has put into this process!





NIH Librarian's T2 Tip Of The Month - PitchBook

Josh Duberman, NIH Library

PitchBook is a business intelligence and market research database which includes venture capital investments, private equity funding, deals, mergers, acquisitions, news and analysis. PitchBook is owned by Morningstar, and obtains information from SEC, state & local filings, investor reports, press releases, web scraping, and surveys of deal participants.

PitchBook is particularly useful for finding company contacts, deal histories, and company comparisons – search by company name, individuals' names, or market segment. Online help and tutorials are available at https://help.pitchbook.com/s/

NIH staff should contact Steven Watson at steven.watson@pitchbook.com **(206) 201-0447, with your name & email address, for access** (provided by NIH SBIR offices).

For information on future training on PitchBook and other information resources, click here for the NIH Library class schedule, sign up for the NIH Library email news at https://www.nihlibrary.nih.gov/library-email-news-signup , or contact Josh Duberman jduberman@nih.gov with any questions.

TTC's Operations Unit Assists NIH TT Transition to New Enterprise Technology Transfer System

Michele Newton, NCI

> "The NCI TTC paralegal team not only answered the call for assistance but exceeded expectations by reviewing and updating the data for Patent Status; Filing, Issue, and Expiration Dates; and Application Publication Numbers and Dates for all of the high priority records. This was a detailed and necessary task to ensure the quality of the data migrated into the new system."
>
> KATHY HIGINBOTHAM,
> TTC OPERATIONS UNIT SUPERVISOR

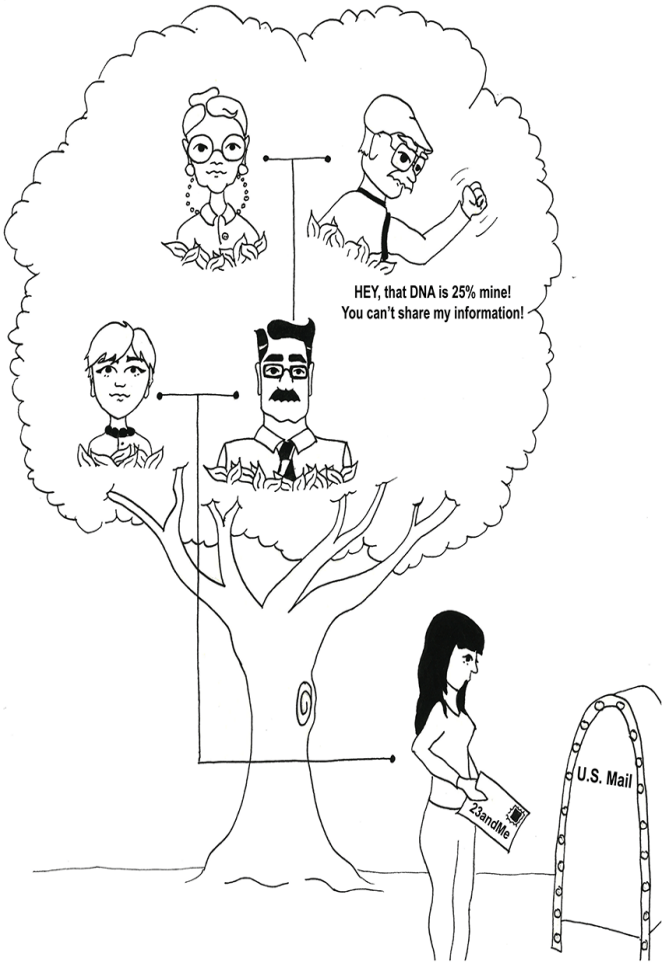
The NIH Office of Technology Transfer (OTT) recently asked for IC help in an important quality control (QC) step in advance of migrating data to the Enterprise Technology Transfer (ETT) system that will streamline TT information management at NIH: validating patent expiration dates associated with 9000+ records in TechTracS. TTC's paralegal team in the newly formed Operations Unit stepped up to offer support. The team developed a process to narrow the 9000+ records down to about 3000 high priority records and recently completed the detailed QC review and provided data updates for of all the high priority records, helping to ensure the integrity of the data being migrated to the new ETT.

Is there a technology or news item that you would like to feature on the website? OTT can work with you to draft anything for the website that you would like promoted!

EMAIL RICHELLE.HOLNICK@NIH.GOV

Tech Toon 'Family Tree'

Audra Marsh, UW-Madison, Cellular and Molecular Biology Grad Student



Click the computer to download the Technology Transfer Zoom Background!

Comings and Goings

Dr. Hiba Alsaffar received her Ph.D. in Biomedical Sciences Albany Medical College, Department of Molecular and Cellular Physiology, Albany, NY. She joined the NCI TTC since 2019 as a CTRA fellow has been involved in providing technology transfer services for NCI, NEI and NIDA.She has now joined NCI as a full time employee.

Dr. Merissa Baxter, earned her PhD in Pharmaceutical Sciences from the University of South Carolina. Dr. Baxter has been a TTC CRTA fellow since 2018 and has been involved in providing technology transfer services for three (3) client institutes (NIA, NEI, NICHD). Before joining TTC, she was a Biologist at NCI Frederick and also worked with the National Institute of Aging's Extramural Program's newly established Aging Research Biorepository. She has now joined NCI as a full time employee.

Debbie Collins is reitirng from her position as Royalties Administrator. Her first year in the Royalties Administration Unit she audited every active license record and helped identify and collect millions in royalties. When asked about Debbie, Karen Rogers said "For years, I've heard nothing but praise for her ability to help staff in OTT, ICs and OFM. Licensees would tell me that she is the nicest "bill collector" to ever call them. I will sorely miss working with her, but happy that she will now get to enjoy a well earned retirement." Since most houses of worship remain closed during this pandemic, she has been involved with getting online church services available to the membership. She is also looking forward to visiting her granddaughter at LSU.

Comings and Goings

Ginny DeSeau says: "I've had an interest in TT since dong a detail as a NIH Management Intern, after coming out of NCI's labs, in Reed Adler's newly growing TT office so many years ago. My path to TT took a detour as a job became available in NICHD's Office of Acquisitions (OA) at the end of the Internship, where I served for almost 20 years as a Contracting Officer, with seven more years as a Contracting Officer in NCI's OA. But, while I was in NICHD, served as NICHD's TDC for about 5 years. Finally finding a niche in TT full time - in NCI's TTC - it seems that a circle was completed. What a joy it has been to be a part of the TT community for these years." Ginny will be greatly missed in her retirement.

Stephen L. Finley joined OTT in 1995. During his tenure he has served as a Branch Chief of the Intramural TT Portfolio Management Branch and as a Technology Licensing Specialist, the lead for a centralized invention evaluation team, and as the Executive Secretary to the NIH CRADA Subcommittee. His NIH career began in November 1983 as a biochemist at the National Center for Research Resources' (NCRR) Veterinary Resource Program's Genetic Monitoring Unit. He has a B.S. in chemistry from Marshall University and a Ph.D. in biochemistry from the American University. He is also a registered Patent Agent. We wish Stephen well in his retirement!

Nikki Darack Guyton, Ph.D. was selected to oversee the NCI TTC Unit. Dr. Guyton has 15 years of experience serving TTC's NIH Client ICs and has served as the alternate Technology Development Coordinator for the NIA for the past 13 years. She assisted in establishing the Accelerating Medicines Partnership – Parkinson's Disease (AMP-PD) program with NIA. Dr. Guyton is the NIH Technology Transfer Policy Board Training and Education Subcommittee Chair where she has coordinated the yearly TT University courses. In addition, she assisted in the rewrite of the mandatory online TT Training for all NIH, which is now on the NIH LMS platform and for which she received an NIH OD Honor Award for her outstanding efforts.

Comings and Goings

Martha Lubet, Ph.D. retired from the NCI Technology Transfer Center (TTC) in November following a career at NIH that totaled 17 years. Most recently, Martha served as a technology transfer manager who supported TTC's NIH Client ICs but her scientific career also included earlier work at the University of Texas Health Center at Dallas and also with industry. A big fan of gardens and gardening, we all wish Martha continued success with these projects as well in the upcoming growing season!

James M. Robinson has joined Incando Therapeutics as their Chief Business Officer after serving four years as a Licensing and Patent Manger with NIAID TTIPO. James writes that Incando aims to address the urgent unmet medical need for improved treatment of glioblastoma multiforme (GBM), an aggressive and devastating brain tumor with a poor prognosis. His focus will be with DeepLight photodynamic therapy (PDT) which is expected to be safer and more efficacious than existing options, prevent GBM recurrence and convert a terminal disease into a chronic disease.

Amanda Wingo joined OIR OTT as a Lead IT Project Manager in October 2020. She will serve as Lead for ETT with responsibility for managing, directing, and coordinating all IT system activities in partnership with the technology transfer offices within the ICs. Previously, she was the Team Lead for the External and Reporting Solutions Business Team at Electronic Research Administration(eRA) in the NIH Office of Extramural Research overseeing all aspects of business, technical, and resource activities related to a large software development team. Amanda has an M.A. in Geography. In her free time, she is an avid hiker and outdoor enthusiast.