





Department of Veterans Affairs Technology Transfer

Bringing Research Advancements for Veterans to Everyone!

Kerry W. Leonard, JD/MBA Technology Transfer Specialist





Agenda



Bringing Research Advancements for Veterans to Everyone!

- Deploying Your **IDEA**
 - Invent
 - **D**isclose
 - Evaluate
 - Apply
- Success Stories
- Lessons Learned



Andrew Schally Miami VAMC

• Q&A







- When is an invention "ready" to submit a disclosure? When should you contact TTP?
 - Contact TTP before making <u>any</u> public disclosure of the invention.
 - Thinking about submitting a paper for publication, presenting at a conference, contacting potential collaborators, etc.? **Contact TTP!**
 - TTP processes take time, so the sooner you get us involved, the better.



Invent



- When is it too soon to contact TTP?
 - Never always contact TTP with any questions you have!
 - TTP is interested in ideas that can lead toward an invention that will be commercially viable.
 - Don't submit disclosures for mere ideas or for observations that you do not intend to research/pursue any further.



Invent



- TTP primarily works with inventions that are patentable. Patentable inventions include:
 - Processes
 - Machines/devices
 - Article of manufacture
 - Compositions of matter
 - Any new and useful improvement of any of the above



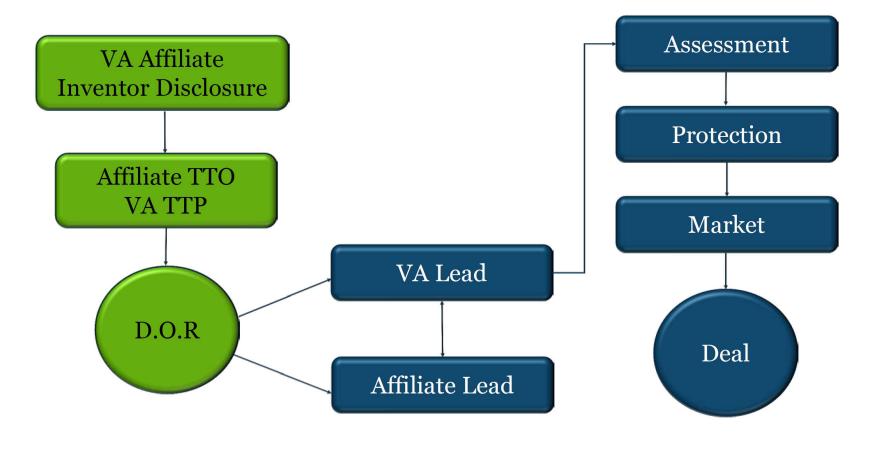




- Because the US Government cannot hold copyrights, TTP does <u>not</u> obtain copyrights on software.
- TTP does license software on a case-by-case basis, so disclose new software developments by using same process as any other invention.













- How to disclose your invention to TTP?
 - Submit one completed Invention Disclosure Form.
 - TTP will accept:
 - (a) VA disclosure form; OR
 - (b) university's disclosure form.
 - Submit one executed VA Certification Form for <u>each</u> VA inventor.
 - Email all completed Invention Disclosures and VA Certification Forms to: vattid@va.gov
- VA Invention Disclosure and Certification Forms can be found at: <u>www.research.va.gov/programs/tech_transfer/forms_templates.cfm</u>



• VA Invention Disclosure Form

Report of Inventions Made by Employees of the Department of Veterans Affairs

Instructions: This electronic form is to be followed when preparing your report of invention. Please provide a response for each item listed below. Throughout the document **rod**, **bold text** is used to indicate items that must be attached to your submission. When submitting this form, please ensure to include all indicated supporting documents.

1. Title of Invention

2. List all inventors who contributed to the invention.

a) VA inventors

Name	Position	
Work Address	Work Phone	
Email		

Add Additional VA Inventor

b) Non-VA Inventors

Name	Position
Work Address	Work Phone
Email	

Add Additional Non-VA Inventor

3. VA Inventor(s) Duties and Responsibilities

	YES	NO
a) Were any inventors hired to perform research for VA?		
b) Do any inventors receive VA research funding, such as Merit Review Awards?		
c) Have any inventors received permission to work on research projects, whether funded by VA or not, during their official VA tour of duty?		
d) Were any inventors paid under an intergovernmental Personnel Agreement (IPA) at the time the invention was made?		
e) Did any Inventors hold a Without Compensation (WOC) Appointment at the time the Invention was made?		

4. Facility Information

a) Facility Name	b) Facility Address

3/1/2017

- Case Western Invention Disclosure Form
 - Be sure to check "VA" if you have any VA appointment

Seers Building - 6* Floor IN (216) 368-0323 • Fex (216) 368-0196	Western Reser	CLOSURE	-
Please see the instruction	s on page 2 for additiona	information on now	to complete this form.
2. PLEASE ATTACH ADESCRIPTION OF TECHNOLOGY.			
3. INVENTOR(8) % OF CONTRIBUTION	SCHOOL, DEPARTMENT,		VA Vietro UHCMC VA Vietro UHCMC VA Vietro UHCMC VA Vietro UHCMC
We take to a support with the use of any research on		YES NO	
CONTRACT ND(S).	R(8)	0.8.P. PROJEC	T NO(8).
Wiere funds received from, or f	-	-	
Please note that accurate and complete sp	research co		essary to fulfill CWRU obligations under
5. If no contract or grant, was there significant use of CWRU ad	ministered funds or faciliti	e?	YES NO
 DATES OF CONCEPTION AND PUBLIC DISCLOBURE (accurate data is assertia), as prior disclosure may affect the possibility of obtaining patent rights) 	DATE		REFERENCES / COMMENTS Plesse include names of periodicals/journels. (use a separate sheet if necessary)
A. Date of conception of invention. Has this date been documented? If so, where?			_
B. First public disclosure (past or anticipated) containing sufficient description to enable a person skilled in this field to understand and to make or use the invention. (included in the definition of "public disclosure" is any oral presentation with handouts, seminars, contenence, pepers, abstracts, web postings, etc.)	-		
7. Please attach list of any commercial entities that may be inter	ested in this invention. (F	Provide as much deta	i es la possible.)
Please attach the name, department and contact information			
 I hereby declare that all statements made herein of my own k 			
Per the Intellectual Property Policy, I (we) hereby agree to ass requested, assigning to CWRU our rights in any patent applic	ation all nont, title and i ation filed on this inven	tion, and to coop	ention to CWRU and agree to execute all documents as erate with the CWRU Technology Transfer Office in the
protection of this invention. CWRU will share any royalty inc	ome derived from the in	vention with the in	
Inventor Name:	In	ventor Neme:	
Inventor's Signature	Date In	ventor's Signature	Date
Home Address	Phone Ho	me Address	Bone
Horie Address	Prote No.	The Houress	Hole
		nal Address:	Country of Citizenship
Inventor Name:	In	ventor Name:	
Inventor's Signature	Date In	ventor's Signature	Date
Home Address	Phone Ho	me Address	Phone
			_

- Who is a "VA Inventor"?
 - Full-Time VA employees
 - Part-Time VA employees
 - WOC
 - IPA
- Date of Invention?
 - Date that the invention was first conceived.
- Patent Pending?
 - Please give us as much info as possible about any issued patents or pending applications.

Invention Certification Form Complete one certification for each VA Inventor

Please answer "Yes" or "No" in the order that the questions appear.	YES	NO	
1. The invention was made during my official VA working hours.			
2. At the time of the invention, I had a responsibility to perform research for VA, whether by VA research funding or otherwise.			
3. The invention was made with a contribution by VA of:			
a) Facilities			
b) Equipment			
c) Materials			
d) Funds			
e) Information			
f) Time or services of other VA employees on official duty			
4. The invention:			
a) Bears a direct relation to my official VA duties			
b) Was made in consequences of my official VA duties			
5. I am attaching remarks relating to the above.			
I hold an academic appointment.			
Please indicate if you have any of the following advanced degrees:			
□ MD □ PhD □ DO □ DPM If other, specify:			
I hereby voluntarily assign my entire right, title, and interest in and to the above identified invention to the United States Government. I do not desire a Determination of Rights under 37 CFR Part 501. See <u>37 CFR Part 501</u> See <u>38 § CFR 1.650-1.663</u>	YES 🗌	NO 🗆	

• Official VA working hours?

- Did you make it during your VA duty hours?
- If not applicable to your VA employment situation (e.g. WOCs), was it made when you were working on your VA projects?
- Responsibility to perform VA research?
 - Is performing research part of your official VA duties (i.e. are you paid to perform research)?
 - If you are a VA clinician <u>only</u>, you do NOT have a responsibility to perform research.
- VA Facilities?
 - Where was the invention created? In a VA lab or at the university? Where was data analyzed? Etc.

Invention Certification Form

Complete one certification for each VA Inventor

I, Employee Name, hereby certify that the invention entitled Invention Title, patent application number Insert Patent Application Number or state "Not Applicable", was made by me on Provide date invention was made, while I held a(n) as VA Position Title at VA Facility Name.

Please answer "Yes" or "No" in the order that the questions appear.	YES	NO	
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- VA Equipment?
 - What was used to create or test the invention? Machines located at the VA?
- VA Materials?
 - What materials were used in the creation or testing of the invention? Includes reagents, tissue samples, etc. from VA.
- VA Funds?
 - What were the funding sources for all research projects that led to the development of the invention? Were any of them from the VA?
 - All grants and funds administered through the NPC = VA funds

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• VA Information?

- What information was used in the creation or testing of the invention? Includes data, knowledge, etc.
- Time/Services of other VA employees on official duty?
 - Did any other VA employees assist in developing the invention?
 - If yes, were they performing their official VA job functions at the time the invention was made?

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- Bears a direct relation to official VA duties?
 - Is the invention closely related to what the VA pays you to do?
 - E.g. Are you a psychiatrist, your invention is a treatment for PTSD, and you came up with the idea for your invention because of your work at the VA ?
- Made in consequence of official VA duties?
 - Was the invention developed as a result of performing your official VA job functions?
 - E.g. You are a Research Scientist and you developed the invention because you were paid by the VA to do your research on the invention?

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- Attached Remarks?
 - Every situation is different. Attach a small paragraph if there is something special we should know about how this invention was created.
- Academic Appointment/Degree?
 - TTP uses this to ensure that the university is kept in the loop when Dual-Appointed Personnel (DAPs) are involved.

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• Waiving Determination of Rights?

- If you know that the VA will be asserting an ownership interest in your invention, you may choose to check "Yes" and waive the Determination of Rights (DOR) process.
- Waiving the DOR process will speed up TTP processes in some cases (i.e. when a patent application needs to be filed quickly to beat a public disclosure deadline).
- Do <u>NOT</u> waive the DOR if there is any uncertainty about who has an ownership interest in the invention.
- VA's Office of General Counsel (OGC) can expedite DORs on a case-by-case basis.

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• Signatures?

- Sign and date the Certification Form.
- Submit VA Certification Form for ACOS signature; OR
- Submit VA Certification Form to your VA supervisor.
- Completed Forms?
 - Submit completed forms to vattid@va.gov

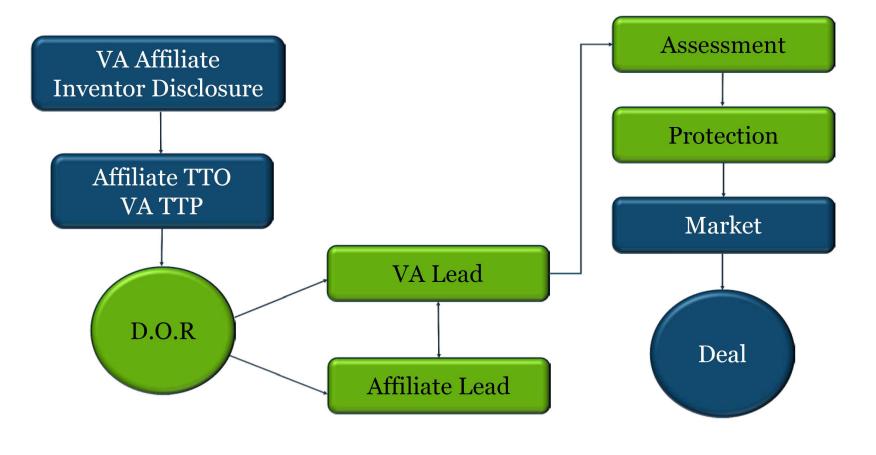
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Evaluate











- Determination of Rights An Assessment of Government Rights
 - Assert Government ownership of the invention.
 - Leave ownership of the invention with the inventor.
 - Leave ownership of the invention with the inventor subject to the VA retaining a non-exclusive, Government use license.
- After DOR is made, a letter is emailed to the inventors from the Office of General Counsel (OGC).
 - Please send a reply to the OGC attorney to confirm receipt of the DOR.
- If you do not agree with the outcome of the DOR, you can file an appeal with NIST (see DOR letter for further information about this process).







- After DOR is issued, VA and University determine who will be the "Lead Party" for the invention.
- In most jointly-owned cases, Case Western University takes the lead.
- Lead Party files for Intellectual Property Protections
 - Provisional patent application
 - "Placeholder" application with 1-year window to convert to a non-provisional application.
 - Non-Provisional (Utility) patent application
 - Design patent application
 - Patent Cooperation Treaty (PCT) application
 - Foreign patent application







- TTP can obtain prior art assessments before filing any patent applications.
- Market assessments may also be performed before deciding whether or not to file. They include the:
 - Technical Description
 - Brief Market Analysis
 - Competitive Position
 - Barriers to Entry
 - Recommendations







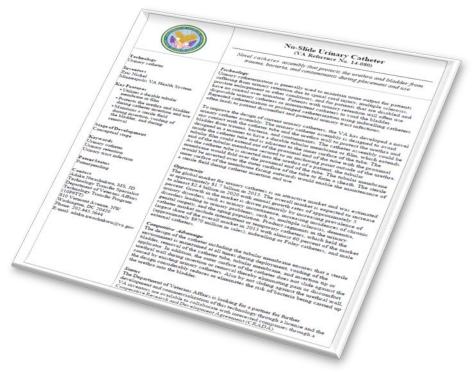
- Involves licensing a patent to a company which will develop the invention into a product that benefits the public.
- Could involve a collaboration with the inventor(s) through a license or a Cooperative Research And Development Agreement (CRADA).







- TTP attracts potential licensees through:
 - Passive Marketing
 - Posted to Web site
 - Marketing Briefs
 - Active Marketing
 - Media Outlets
 - Inventor Suggestions









- License Application Process is Codified (37 CFR 404)
 - Commercial Development Plans are required from the potential licensee.
 - Applicant must show that it meets statutory and regulatory guidelines in order to qualify for exclusive license.
- Negotiate an exclusive, partially exclusive, or nonexclusive license agreement
 - Fees
 - Royalties
 - Reimbursement of Costs

No Inventor Involvement During Financial Negotiations







- TTP Royalty Policy:
 - First \$2,000 to inventor(s), then:
 - 50% to inventor(s)
 - 50% to VAMC where invention was made
- Dual-Appointed Personnel will receive royalties from Case Western and VA for jointly-owned inventions.





Bringing Research Advancements for Veterans to Everyone!

Example 1: "Pulsed Xenon Tech to Clean Reusable Medical Equipment"







Bringing Research Advancements for Veterans to Everyone!

Example 1: "Pulsed Xenon Tech to Clean Reusable Medical Equipment"



Licensee resubmits application for exclusive license

March 2015Delay due to Licensee

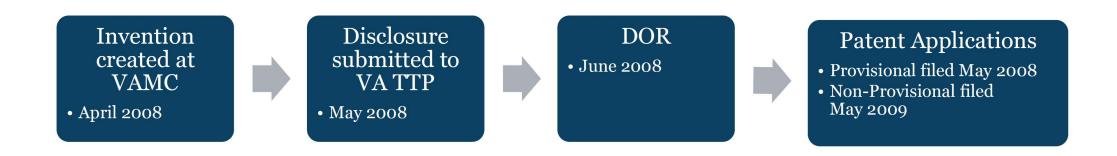
License executed • July 2015





Bringing Research Advancements for Veterans to Everyone!

Example 2: "Soft Suicide Prevention Door"

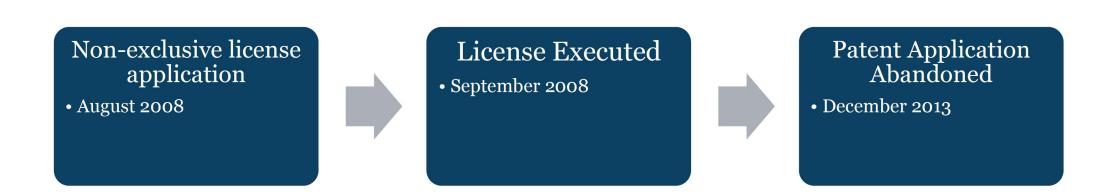






Bringing Research Advancements for Veterans to Everyone!

Example 2: "Soft Suicide Prevention Door"





Lessons Learned



- Get TTP involved as soon as you have an idea that you are going to pursue that has some commercial potential.
- Work with TTP to navigate our internal VA processes it may feel cumbersome, but it is important to make sure everyone's ownership rights are properly identified.
- If you can help us to identify a potential licensee, TTP will work with them to make the license happen.
- Remember, we are here to help you Bring Research Advancements for Veterans to Everyone!



Contact



Bringing Research Advancements for Veterans to Everyone!

• Email Box:

VA Technology Transfer Invention Disclosures vattid@va.gov

• POC:

John Kaplan, PhD, JD, MBA Director, Technology Transfer Program john.kaplan@va.gov 202.632.7271

Kerry Leonard, JD, MBA Technology Transfer Specialist <u>kerry.leonard@va.gov</u> 202.443-5779





Questions & Answers



Bringing Research Advancements for Veterans to Everyone!

Thank you!

