

# Flight Tracker Consortium Meeting

March 2, 2022



# Meeting Agenda



## **What's New?**

**Auto-Create Position Change Forms  
Financial ROI**

**“Brag on Publications” Widget Refinements  
Scholar Profiles: Second Timeline**

## **What's Next?**

**Feature Switches  
Biostatistical Analysis  
ORCID Resources**

**Office Hours with Rebecca & Scott**

# Auto-Created Position Change



- Situation: A job change is referenced in a survey or a data entry form.
- Then, the overnight scripts puts those data in a **Position Change** form in REDCap. (Duplicate entries are disregarded by Flight Tracker.)
- Has been successfully running on our big Newman Society test project for a while. Needed to share with other Flight Trackers.
- Goal: To more easily see what's happening with career development, you only need to look at the **Position Change** form in REDCap.
- In versions 4.2.0 and later...



# Financial ROI



- Flight Tracker has traditionally treated Pilot Funding as a “trait” instead of a “dollar figure.”



- *i.e.*, do you have pilot funding (yes/no)?
- By this method, pilot funding are put in as a resource and analyzed by the Return on Investment (ROI) analysis there.

# Financial ROI



- However, many/most CTSA's look at pilot funding as a dollar figure.
- *i.e.*, each dollar in pilot funding returns to **\$X** out in additional grants.
- Flight Tracker tracks this information. For Internal K and K12/KL2s, you'll have to input this on the **Custom Grant** form.
- Under **Grants menu** → **Financial ROI for Grants**.
- Will take a few minutes to calculate, depending on how many scholars are in your database.
- Helpful for annual metrics.
- Separates into K-class grant types (*e.g.*, Internal K, K12/KL2, Individual K, External K, all internally distributed K resources, and all Ks).



# Brag Publications Widget



- Flight Tracker provides a way to show scholar publication list on a website. Provides HTML to cut/paste into your website.
- Recently, several requests caused refinement of this tool.

## Publications

Check out these recent publications from our current and former students!

Johnson LSB, Oldgren J, Barrett MJ, **McNaughton CD**, Wong JA, McIntyre WF, Freeman CL, Murphy L, Engstrom G, Ezekowitz M, Connolly SJ, Xu L, Nakamya J, Conen D, Bangdiwala SI, Yusuf S, Healey JS. LVS-HARMED Risk Score for Incident Heart Failure in Patients With Atrial Fibrillation Who Present to the Emergency Department: Data from a World-Wide Registry. *J Am Heart Assoc.* 2021 September 13; :e017735. [PubMed PMID: 34514842](#) [PMC8649506](#).

Freiberg MS, **Duncan MS**, Alcorn C, Chang CH, Kundu S, Mumpuni A, Smith EK, Loch S, Bedigian A, Vittinghoff E, So-Armah K, Hsue PY, Justice AC, Tseng ZH. HIV Infection and the Risk of World Health Organization-Defined Sudden Cardiac Death. *J Am Heart Assoc.* 2021 September 08; :e021268. [PubMed PMID: 34493058](#) [PMC8649505](#).

**Zhu J**, Yang Y, Kisiel JB, Mahoney DW, Michaud DS, Guo X, Taylor WR, Shu XO, Shu X, Liu D, Li B, Tao R, Cai Q, Zheng W, Long J, Wu L. Integrating genome and methylome data to identify candidate DNA methylation biomarkers for pancreatic cancer risk. *Cancer Epidemiol Biomarkers Prev.* 2021 September 08. [PubMed PMID: 34497089](#) [PMC8568683](#).

Julian-Serrano S, **Yuan F**, Barrett MJ, Pfeiffer RM, Stolzenberg-Solomon RZ. Hemochromatosis, iron-overload anemias, and pancreatic cancer risk in the Surveillance, Epidemiology, and End Results (SEER)-Medicare. *Cancer Epidemiol Biomarkers Prev.* 2021 September 03. [PubMed PMID: 34479949](#) [PMC8568645](#).

# Brag Publications Widget



- One group requested that we allocate time not by days but by **months** or **years**.
- Another group asked that we be able to link into an **individual scholar's profile** page, showing just one scholar's publications.

# Brag Publications Widget



```
<iframe src="https://redcap.vanderbilt.edu/external_modules/?  
prefix=flightTracker&page=brag&pid=101785&NOAUTH" title="Recent Publications"  
style="width: 100%; height: 400px;"></iframe>
```

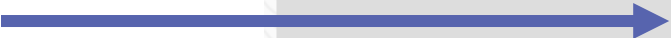
[Copy](#)

## Further Configurations

### Step 1: Select a Group

Select a Cohort:  
Cohort:

-OR- Select Which Scholar:



### Step 2: Select a Time Period

Show a Certain Time Period Prior to Today:  
Days:  -OR- Months:  -OR- Years:



-OR- Show Period During Training Period and a Certain Amount of Time After the End of Training Period:

Days:  -OR- Months:  -OR- Years:

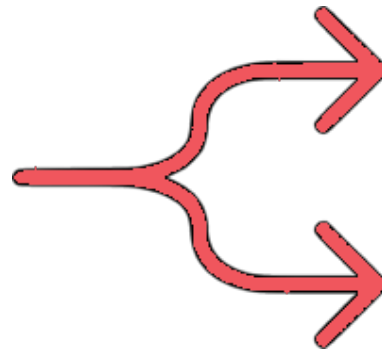




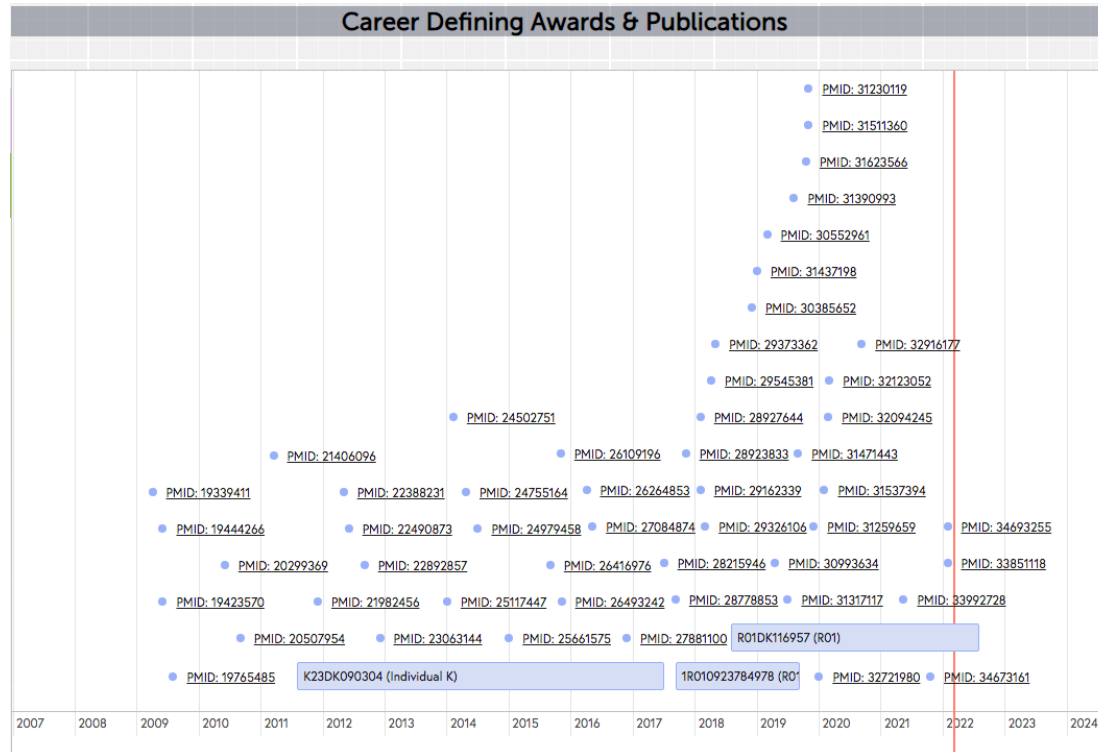
# Timeline in Scholar Profile



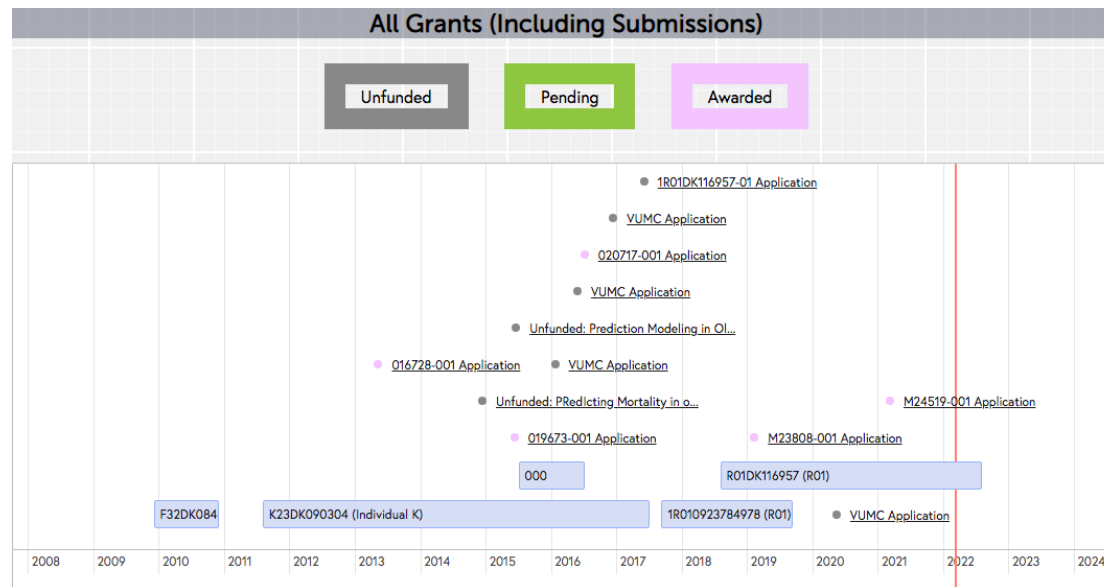
- Under **Scholars menu** → **Scholar Profile**.
- Had one timeline for each scholar... Useful but had complications:
  - Too busy with publications, grant submissions, and grant awards.
  - For some programs, any grant is a success; for others, only career-defining grants are important.
- Simplify: Divided into two timelines in v4.1.0 and later.



# Timeline in Scholar Profile



# Timeline in Scholar Profile



# Grant Submissions



- How do I store grant submission data in Flight Tracker?
- Two options:
  1. Hook up your grants management system (cost: around 40 hours of your own developer's time).
  2. Input your information in REDCap's Custom Grant form.

<b>Grant Number or Funding Mechanism or Funding Mechanism</b> (e.g., 1R01HL1234...)	<input type="text" value="1R010923784978"/> <small>The grant number is needed for Grant Reporting</small>
<b>Grant Type</b> <small>* must provide value</small>	<input type="text" value=""/> <small>reset</small>
<b>Are you tracking this grant as a submission?</b>	<input checked="" type="radio"/> Yes <input type="radio"/> No <small>reset</small>
<b>Submission Status</b>	<input type="radio"/> Awarded <input type="radio"/> Pending <input type="radio"/> Unfunded <small>reset</small>
<b>Date Submitted</b> <small>* must provide value</small>	<input type="text" value=""/> <small>Today M-D-Y</small>
<b>Date Resubmitted (if applicable)</b>	<input type="text" value=""/> <small>Today M-D-Y</small>
<b>Sponsoring Organization (e.g., NIH, CDC, VA)</b>	<input type="text" value="NIH"/>

# Feature Switches



- Problem: Flight Tracker cron is starting to run 24 hours on Vanderbilt servers (due to 40-50 projects)
- Crons typically spend most of their time waiting on rate-limited Internet requests (*i.e.*, “sleeping”).
- Publications and bibliometrics (on weekends) are the most time-consuming steps.
- Publications runs once a week; bibliometrics update once a month.



# Feature Switches



- Thought: **Switch** to update some of these once a month instead of once a week, or even once a quarter (3 months).
- Also, **switch to turn on/off** unneeded features for each project:
  - Mentee-mentor agreements
  - Patents
  - Grants
  - Publications
- On Flight Tracker's Home page



# Feature Switches



Frequency



Patents



Grants



Publications



Mentee-Mentor Agreements



# Biostatistics



- Rebecca & I have been meeting with a Vanderbilt **biostatistics** class
- Analyzing data from **Vanderbilt's Newman Society** (since ~2000)
- Many research questions, surrounding:
  - Demographics
  - Resource effectiveness
- Conversion ratio, time to convert, quantity/quality of publications
- **Will share findings**
- Interested in expanding analyses





# ORCID Resources



- Already access ORCID id, used in publication sweeps
- Credit: Brian Christian at Case Western Reserve University
- Pointed out that **ORCID** has profile information available on API
- Stores items in personal profiles like **employments, funding, publications, education, activities**
- Plan to explore to see if there's overlap with Flight Tracker (especially used for filling in completeness)



ORCID

Connecting Research  
and Researchers

# Troubleshooting Call



## Monthly Troubleshooting Call (optional)

Third Wednesday at 1pm Central Time  
March 16, 2022

*Driven by Your Questions & Problems*

All are welcome!

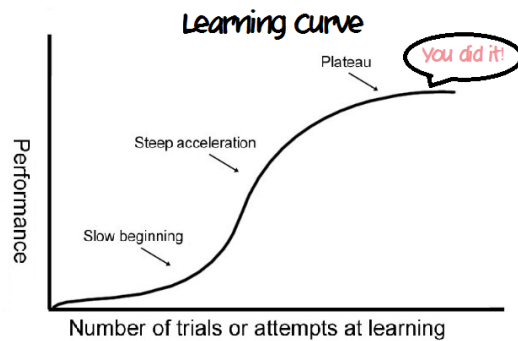
Ask to join our email list for an invitation...



# Newbie Call



## Just getting started with Flight Tracker?



There's a definite learning curve.  
Move up more quickly by joining  
**March's "newbie" call.**

**Tuesday, March 15 at 12pm Central Time**

*Leave your email in the chat to receive an invitation*

# Office Hours with Rebecca & Scott

