

# Flight Tracker Consortium Meeting

September 6, 2023



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# Meeting Agenda



## **What's New?**

Current Version:  
**v5.13.6**

Configurable Celebrations Email

Publications with Mentors

Bypass Institution Matching with Grants & Publications

Joint Appointments

**Deep Dive:** Name Matching – The Tough Cases

## **What's Next?**

Poll for Deep Dive Topics

Multiple Items Coming Soon...

**Office Hours with Rebecca & Scott**



# What's New?

# Configurable Celebrations Email



- A new way to keep track of new papers & grants
- Good feedback from larger Vanderbilt groups
- Desire for more customization
- Put configuration on front page to increase awareness

A screenshot of a web interface titled 'Celebrations Email'. The interface has a light green background with a dark green header bar containing the title and a mail icon. Below the header, there is a description: 'A regular email that updates readers about new scholar accomplishments.' The main configuration area includes a text input for 'Comma-Separated Receptient Email Address(es)' with the value 'scott.j.pearson@vumc.org' and an 'Update Email' button. Below this are several dropdown menus: 'Setting Name' (with 'Email Setting Name' in the input), 'Frequency' (set to 'Weekly'), 'Group' (set to 'All Scholars'), and 'Content' (set to 'New Grants'). There is also a text input for 'Restrict Pubs to Cited Grants' with the value 'Grant(s) Cited' and a note '(Leave blank for no restrictions.)' and an 'Add Setting' button. On the right side, under the heading 'Scheduled Emails', there are five grey buttons: 'New Grants', 'All New Publications', 'New High-Impact Publications', 'Test All Pubs Monthly', and 'All Publications'.

# Configurable Celebrations Email



**📧 Celebrations Email**

A regular email that updates readers about new scholar accomplishments.

Comma-Separated Recipient Email Address(es)

Setting Name:

Frequency:  ▾

Group:  ▾

Content:  ▾

Restrict Pubs to Cited Grants:   
(Leave blank for no restrictions.)

**Scheduled Emails**

- 
- 
- 
- 
- 

Set up multiple email addresses

- See previous email configurations
- Items are compiled into one message

- Weekly (Monday) -or- monthly (on the 1<sup>st</sup>)
- All scholars -or- current trainees -or- current trainees & recent graduates -or- alumni
- New grants -or- all new publications -or- high-impact publications
- Restrict to one grant cited, only if desired

# Publications with Mentors



- **Great suggestion by Dr. Christos Baryiamas of UVA!**
- Pubs menu → Publications with Mentor(s)
- A list of publications of a scholar with mentors, with names bolded
  - Mentors can be added via Initial Import form
  - Publications must still be wrangled

## Julie A Bastarache (75 publications with mentors Timothy Blackwell and Lorraine Ware)

Baer B, Putz ND, Riedmann K, Gonski S, Lin J, **Ware LB**, Toki S, Peebles RS, Cahill KN, **Bastarache JA**. Liraglutide Pretreatment Attenuates Sepsis-Induced Acute Lung Injury. *Am J Physiol Lung Cell Mol Physiol*. 2023 July 25. doi:10.1152/ajplung.00041.2023. PubMed PMID: 37489855

Conger AK, Tomasek T, Riedmann KJ, Douglas JS, Berkey LE, **Ware LB**, **Bastarache JA**, Meegan JE. Hemoglobin increases leukocyte adhesion and initiates lung microvascular endothelial activation via toll-like receptor 4 signaling. *Am J Physiol Cell Physiol*. 2023 January 30. doi:10.1152/ajpcell.00211.2022. PubMed PMID: 36717098 PMC9970650.

Meegan JE, Kerchberger VE, Fortune NL, McNeil JB, **Bastarache JA**, Austin ED, **Ware LB**, Hemnes AR, Brittain EL. Transpulmonary generation of cell-free hemoglobin contributes to vascular dysfunction in pulmonary arterial hypertension via dysregulated clearance mechanisms. *Pulm Circ*. 2023 January; 13(1):e12185. doi:10.1002/pul2.12185. PubMed PMID: 36743426 PMC9841468.

**Bastarache JA**, **Blackwell TS**. Development of animal models for the acute respiratory distress syndrome. *Dis Model Mech*. January; 2(5-6):218-23. doi:10.1242/dmm.001677. PubMed PMID: 19407329 PMC2675821.

Afzal A, Beavers WN, Skaar EP, Calhoun MC, Richardson KA, Landstreet SR, Cliffl DE, Wright D, **Bastarache JA**, **Ware LB**. Ultraviolet light oxidation of fresh hemoglobin eliminates aggregate formation seen in commercially sourced hemoglobin. *Blood Cells Mol Dis*. 2022 August 15; 98:102699. doi:10.1016/j.bcmd.2022.102699. PubMed PMID: 36027791 PMC10024311.

# Bypass to Institution Matching







- To prevent mismatches, grants & publications are matched by institutions
- Such matching helps with common names (*e.g.*, Todd Edwards), but is not as helpful for unusual names (*e.g.*, Julie Bastarache)
- Sometimes, it helps to search without the limit of an institution
- One record at a time... NOT for everybody



Fetch Data Now for this Scholar:

Restart from Scratch for this Scholar:

Match Without Institutions:   

 Home  General  Grants  Pubs  View  Wrangle  Scholars  REDCap  D

# Bypass to Institution Matching



- Viewable when looking at one scholar/record in REDCap or Flight Tracker
- Will increase potential for errors, so wrangle these records carefully
- **Thanks to Gina Kirsammer of Northwestern!**






# Joint Appointments



- **Thanks to Alexis Ranalli of Nemours!**
- Add support in Position Change form to mark a position as a Joint Appointment; normal if blank or “no”
- Mark as “yes” will move this job to a current position
- Must maintain manually and change to “no” when they leave job



Job Title  \* must provide value

Is this position a joint appointment?  Yes  No reset

If yes, you must keep up with this and mark other positions as joint as well.

Workforce Sector  Academia  Government  For-Profit  Non-profit  Other reset



# Deep Dive

Name Matching – The Tough Cases

# Overview



**To avoid mismatches, Flight Tracker matches by name & institution together**

- Individual Names
- Institution Names
  - “Home institutions” – for everybody
  - Scholar-specific names
- Searching Without Institutions: A workaround
- What to do when you lose track of a scholar



# Home Institutions



- For all scholars in project
- Configure Application page – All of these are searched for
  - Full Name of Institution
  - Short Name of Institution – try to avoid initials
  - Other Institutions – partners on project, *e.g.*, Tennessee State, Meharry
- NOT searched for: “Home” Institutions that Your Scholars Belong to
  - This list is used in dropdowns on surveys



## Tips from Experience



- Need to match NIH RePORTER & PubMed
- Shorter is better: *e.g.*, Vanderbilt matches Vanderbilt University and Vanderbilt University Medical Center
- Initials (*e.g.*, VU) usually don't work
- Some quirks: *e.g.*, Univ of North Carolina Chapel Hill
- A little trial & error involved
- Once it works, it works forever



# Scholar-Specific Institutions



- Central list –identifiers\_institution on Identifiers form  
→ read-only comma-separated list that's auto-compiled
- **Position Change form**
- Surveys
- Initial Import form
- Position Change forms are often automatically created
- This list is also used on NIH Training Tables



## Tips from Experience



- Same rules apply as with home institutions
- Unfortunately, these names apply to each scholar individually → more work, less reward
- Bonus: Helps with NIH Training Tables
- If you have a good email, the surveys can help
- Sometimes, you need to data clean institution names for typos



# Names



- Kept on Identifiers form
- Names are “exploded” in all combinations and searched for
  - Nicknames, maiden names, other prior names, etc.
- The more detailed the name, the better
- Do not include honorifics (e.g., Dr., MD)
- Suffixes like Jr. & III sometimes helpful



# Updating Names from Surveys



- Scholars are given the opportunity to update their name on each REDCap survey that's sent out
- If changes are made, the Identifiers form is automatically updated after a survey is updated
- Then name update is re-used in searches



## Tips from Experience



- Look for changes in last names, like maiden names
- Look for nicknames & record official name
  - First name on Identifiers form:  
“Official (Nickname)”
- Look for typos
- Hyphenated vs. unhyphenated can be tricky
- Suffixes can distinguish scholars (*e.g.*, Hal Moses vs. Harold Moses, Jr.)



## Known Limitations

- NIH RePORTER data goes back to 1990s
- PubMed did not track institutional affiliation for all authors until **after 2014**
- Options for publications prior to 2014:
  - Get a list from the scholar (on CV?) and input the PMIDs/PMCIDs into Publication Wrangler
  - Have the scholar enter them on a survey
  - Bypass name matching altogether
  - Working on Scholar Portal



# Process of Debugging



1. Get project-wide institutions configured
2. If not pulling in data:
  - Check **General menu → Connectivity Tester**
  - Check PubMed/NIH RePORTER and change institutions on **General menu → Configure Application**
3. Add individuals' histories in Position Change forms or Initial Import form; can send out surveys
4. Look for data holes & search for these scholars one by one on PubMed and/or NIH RePORTER; add data via #3 as needed



# New: Bypass Institution-Matching






- Best for uncommon names, when only one person with grants/pubs
- Can pull in lots of mismatches for common names, especially common last names
- Also good when you don't know a scholar's institutional history or when you've lost track of a scholar's institutional affiliation
- Make sure you wrangle soon; can restart from scratch if needed



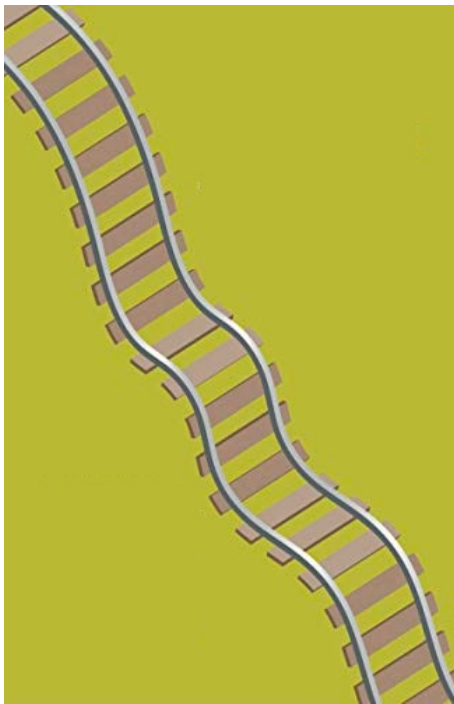
Fetch Data Now for this Scholar:

Restart from Scratch for this Scholar:

Match Without Institutions:   

 Home  General  Grants  Pubs  View  Wrangle  Scholars  REDCap  D:

# Losing Track of a Scholar



- **Personal email address** on Identifiers form
  - Compiled from surveys
  - If it exists, try moving this to the main email field on the Identifiers form
  - Then send an email with a survey
- Check prior surveys
  - **LinkedIn** handle
  - **Twitter/X** handle
- Finally, as a last resort, **Google** is helpful

## Soon: Institution Finder



Name	Current Institutions	Search	Unmatched Institutions	Add Position Change Form
Scholar #1	[From Identifiers form]	PubMed or NIH RePORTER	[Filled in when searched for]	[For each unmatched institution]
Scholar #2	[From Identifiers form]	PubMed or NIH RePORTER	[Filled in when searched for]	[For each unmatched institution]
...	...	...	...	...

Target: Fall 2023

# Summary



- Individual Names
- Institution Names
  - “Home institutions” – for everybody
  - Scholar-specific names
- Searching Without Institutions: A workaround
- What to do when you lose track of a scholar







**What's Next?**

# Possible Deep Dive Topics: A Poll



- Getting Ready to Send Surveys
- Profiling a Group of Scholars
- Slicing & Dicing Your Data with Cohorts
- Tricks of Publication Wrangling
- Maximizing Value on a New Project



## On the Ledger to Come Soon...



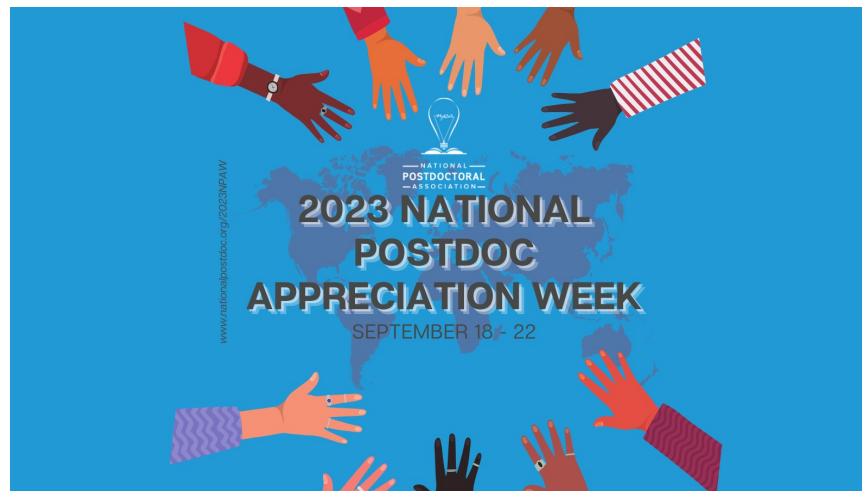
- Updates to Mentee-Mentor Agreements: Streamlining
- Relating Grants to Publications: Including recommendations from a committee and additional scenarios
- Searching PubMed or NIH RePORTER for new institutions for a scholar
- Flight Tracker Community help forums (thanks to REDCap Community & **Rob Taylor**)
- Scholar Portal, including page to wrangle own publications



# Reminder: National Postdoc Week



- September 18-22
- **National Postdoc Appreciation Week**
- <https://www.nationalpostdoc.org/page/2023NPAW>



# Troubleshooting Call



## Monthly Troubleshooting Call (optional)

Third Wednesday at 1pm Central Time  
September 20, 2023

***Driven by Your Questions & Problems***  
All are welcome!

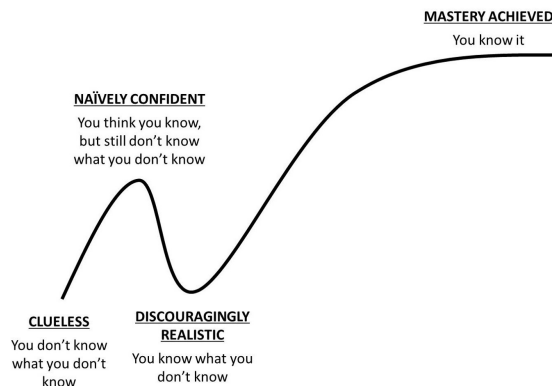
Ask to join our email list in the chat for an invitation...



# Newbie Call



## Just getting started with Flight Tracker?



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

**Thursday, September 14, at noon Central Time**  
**(Thursday, October 12, noon Central Time)**

Leave your email in the chat to receive an invitation

# Office Hours with Rebecca & Scott



Office hours



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