

# Flight Tracker Consortium Meeting

June 1, 2022



[www.edgeforscholars.org](http://www.edgeforscholars.org)

# Meeting Agenda



## **What's New?**

**NSF/NASA Data Pulls**  
**Fetch Data Now**

## **Deep Dive: Publication Wrangler**

## **What's Next?**

**Education Publications**  
**Mentee-Mentor Agreements – “July Comes Once a Year”**

## **Office Hours with Rebecca & Scott**



# What's New?

## NSF/NASA Data Pulls



- From the National Science Foundation and NASA
- Grant Types for Career Development Award
  - CAREER Awards → K Equivalent
  - REU Site → Training Grant Admin
  - [Others] → R01 Equivalent (regardless of dollar amount)
- Will appear on all running ledgers of grant information
- **4.9.0 and later**



## Fetch Data Now



Three basic data needs

1. Keep generally up to date with everyone → **Routine**
2. Get everyone's data soon → **Update all tonight** (on Home page)
3. Get one person's data now → **???**



# Fetch Data Now



- When you are on someone's record (in Flight Tracker or REDCap)...
- Buttons mysteriously appear on the top bar:



Fetch Data Now for this Scholar:      
Restart from Scratch for this Scholar:

[Home](#) [General](#) [Grants](#) [Pubs](#) [View](#) [Wrangle](#) [Scholars](#) [REDCap](#) [Dashboards](#) [Cohorts / Filters](#) [Mentors](#) [Resources](#) [Help](#)

- Fetch data now
- Restart from scratch = DELETE data and then Fetch data now

**4.10.0 and later**



# Deep Dive

## Publication Wrangler

## Purpose



Publications are matched by name and institution in PubMed. Especially with common names, this can lead to mismatched publications that must be weeded out manually.

Because PubMed only began associating institutional info for all authors in 2014, scholars before this year may have missing publications.

Publication Wrangler allows administrators to add and delete publications for individual scholars.



# Interface

A screenshot of the Flight Tracker web interface for the Newman Society Flight Tracker project (PID 66635). The interface includes a top navigation bar with tabs for Home, General, Grants, Pubs, View, Wrangle, Scholars, REDCap, Dashboards, and Cohorts / Filters. Below the navigation bar, there are tabs for Project Home, Project Setup, and Other Functionality. The main content area shows the project status as "Development" and a "Main project settings" section with options to "Disable" or "Enable" various features. A dropdown menu is open under the "Wrangle" tab, listing several options: "Fill Out Initial Scholar Forms", "Add a Custom Grant", "Add Custom Grants by Bulk", "Grant Wrangler", "Publication Wrangler", "Lexical Translator", "Position Change Wrangler", "Patent Wrangler", and "BIRCWH Transition Forms". A red arrow points to the "Publication Wrangler" option in the dropdown menu.

**Newman Society Flight Tracker** PID 66635

Project status: Development

**Main project settings**

Not started

Use surveys in this project?

Use longitudinal data collection with defined cohorts

**Design your data collection instruments & enable your surveys**

Add or edit fields on your data collection instruments (surveys and forms). This may be done by either using the

**Wrangle**

- Fill Out Initial Scholar Forms
- Add a Custom Grant
- Add Custom Grants by Bulk
- Grant Wrangler
- Publication Wrangler
- Lexical Translator
- Position Change Wrangler [create and manage a survey](#)
- Patent Wrangler
- BIRCWH Transition Forms

# Auto-approving



## Publications Wrangler

The following records have been automatically categorized as auto-approved (✓) or manual (👉) according to whether they have uncommon and/or long last names. Please review to check if you concur with the recommendations. After you do so, you will be given the option to handle the remaining issues for each scholar (via the traditional process). To directly handle one scholar, click on their name to take you to their list of publications to wrangle.

Record 278: Jennifer Sucre (9 new publications)

Uncommon last name: Therefore, recommend approving ✓. [Override & Handle Manually?](#)

[PMID35503238<sup>\[X\]</sup>](#), [PMID35560406<sup>\[X\]</sup>](#), [PMID32413319<sup>\[X\]</sup>](#), [PMID35580897<sup>\[X\]</sup>](#), [PMID35393523<sup>\[X\]</sup>](#), [PMID33990468<sup>\[X\]</sup>](#),  
[PMID32832598<sup>\[X\]</sup>](#), [PMID32511364<sup>\[X\]</sup>](#), [PMID29355514<sup>\[X\]</sup>](#)

Record 279: Helen Talbot (9 new publications)

Uncommon last name: Therefore, recommend approving ✓. [Override & Handle Manually?](#)

[PMID35450083<sup>\[X\]</sup>](#), [PMID35442437<sup>\[X\]</sup>](#), [PMID35438769<sup>\[X\]</sup>](#), [PMID35512334<sup>\[X\]</sup>](#), [PMID35594564<sup>\[X\]</sup>](#), [PMID35580849<sup>\[X\]</sup>](#),  
[PMID34656074<sup>\[X\]</sup>](#), [PMID32755020<sup>\[X\]</sup>](#), [PMID22360812<sup>\[X\]</sup>](#)

Record 280: Zhengzheng Tang (1 new publication)

Short last name: Therefore, recommend handling manually 👉. [Override & Auto-Approve?](#)

(You will wrangle new publications individually.)

# Auto-approving



## Publications Wrangler

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Short last name: Therefore, recommend handling manually 👉. Override & Auto-Approve?

(You will wrangle new publications individually.)

Maybe there's another H Talbot at my institution, so...

# Auto-approving



## Publications Wrangler

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Record 279: **Helen Talbot** (9 new publications)

Your specific request: Therefore, handling manually 👉. Override & Auto-Approve?

(You will wrangle new publications individually.)

Record 280: **Zhengzheng Tang** (1 new publication)

Short last name: Therefore, recommend handling manually 👉. Override & Auto-Approve?

(You will wrangle new publications individually.)

I decide to handle it manually

# Auto-approving



Auto-Approve Publications

[Click here to manually review all records.](#)

## Recommendations

- Manually approve many Asian names, which are overrepresented in science, even if longer than 4 characters (Zhang, Huang, Patel, etc.)
- Manually approve any with a known doppelganger at your institution (or if consistent, insert the wrong ID in the exclude list)
- Manually approve everyone the first time to find doppelgangers, get familiar with their science/collaborators, find missing institutions

# Individual Scholar Pages



## 243: Jerri Rook

**Institutions Searched For:** University of Kansas Medical Center, Vanderbilt, Vanderbilt University, Vanderbilt University Medical Center, VU, Vanderbilt University School of Medicine, VUMC, Meharry, Meharry Medical College, Veterans Health Administration, and Tennessee Valley Healthcare System

Rook is an uncommon last name in the United States.

You likely can approve these publications without close review.

[Click here to approve all the publications for this record automatically.](#)

46 Existing Publications | 3 New Publications

Grant Wrangler

Publication Wrangler

Position Wrangler

Patent Wrangler

Scholar Profile

Record:

243: Jerri Rook

Last/Full Name:

View Next Record With New Data

Access PubMed

Lookup PMID

[Switch to Bulk](#)

Lookup PMC

[Switch to Bulk](#)

# Navigation Between Records



243: Jerri Rook

See other info for this scholar

Institutions Searched For: University of Kansas Medical Center, Vanderbilt, Vanderbilt University, Vanderbilt University Medical Center, VU, Vanderbilt University School of Medicine, VUMC, Meharry, Meharry Medical College, Veterans Health Administration, and Tennessee Valley Healthcare System

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[Click here to approve all the publications for this record automatically.](#)

46 Existing Publications | 3 New Publications

- Grant Wrangler
- Publication Wrangler
- Position Wrangler
- Patent Wrangler
- Scholar Profile



Record:  
243: Jerri Rook

Last/Full Name:

[View Next Record With New Data](#)

[Access PubMed](#)

Lookup PMID  
   
[Switch to Bulk](#)

Lookup PMC  
   
[Switch to Bulk](#)

# Navigation Between Records



## 243: Jerri Rook

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46 Existing Publications | 3 New Publications

- Grant Wrangler
- Publication Wrangler
- Position Wrangler
- Patent Wrangler
- Scholar Profile
- Record:  
243: Jerri Rook
- Last/Full Name:
- View Next Record With New Data
- Access PubMed

Navigate to other scholars



Lookup PMID

[Switch to Bulk](#)

Lookup PMC

[Switch to Bulk](#)



# Searching



243: Jerri Rook

All institutions being searched with this scholar's name



Institutions Searched For: University of Kansas Medical Center, Vanderbilt, Vanderbilt University, Vanderbilt University Medical Center, VU, Vanderbilt University School of Medicine, VUMC, Meharry, Meharry Medical College, Veterans Health Administration, and Tennessee Valley Healthcare System

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46 Existing Publications | 3 New Publications

Grant Wrangler  
Publication Wrangler  
Position Wrangler  
Patent Wrangler  
Scholar Profile

Record:  
243: Jerri Rook

Last/Full Name:

[View Next Record With New Data](#)

[Access PubMed](#)

Lookup PMID  
   
[Switch to Bulk](#)

Lookup PMC  
   
[Switch to Bulk](#)

# Short/Common Names



243: Jerri Rook

May pull in longer names that contain the shorter name, e.g., Rooker. Best to manage manually.



Institutions Searched For: University of Kansas Medical Center, Vanderbilt, Vanderbilt University, Vanderbilt University Medical Center, VU, Vanderbilt University School of Medicine, VUMC, Meharry, Meharry Medical College, Veterans Health Administration, and Tennessee Valley Healthcare System

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46 Existing Publications | 3 New Publications

- Grant Wrangler
- Publication Wrangler
- Position Wrangler
- Patent Wrangler
- Scholar Profile

Record:  
243: Jerri Rook

Last/Full Name:

[View Next Record With New Data](#)

[Access PubMed](#)

Lookup PMID

[Switch to Bulk](#)

Lookup PMC

[Switch to Bulk](#)

# Adding Missing Publications



243: Jerri Rook

**Institutions Searched For:** University of Kansas Medical Center, Vanderbilt, Vanderbilt University, Vanderbilt University Medical Center, VU, Vanderbilt University School of Medicine, VUMC, Meharry, Meharry Medical College, Veterans Health Administration, and Tennessee Valley Healthcare System

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[Click here to approve all the publications for this record automatically.](#)

46 Existing Publications | 3 New Publications

- Grant Wrangler
- Publication Wrangler
- Position Wrangler
- Patent Wrangler
- Scholar Profile

Record:  
243: Jerri Rook

Last/Full Name:

[View Next Record With New Data](#)

[Access PubMed](#)

Add missing publications: Before PubMed added institutions for all authors, institution not listed in record, etc.



Lookup PMID

[Switch to Bulk](#)

Lookup PMC

[Switch to Bulk](#)

# Wrangling New Publications



## 3 New Citations

[Select All New Citations](#) | [Deselect All New Citations](#)

- PubMed Search:** Rodriguez RM, Foster DJ, Lavery ML, Johnston CM, Moehle MS, Dickerson JW, **Rook JM**, Conn PJ. Hyperactive Striatal Dopamine Signaling Observed in Huntington's Disease Mouse Models Prior to Motor Symptom Onset Can be Attenuated via Activation of M Receptors. *FASEB J.* 2022 May; 36 Suppl 1. [doi:10.1096/fasebj.2022.36.S1.R2180](https://doi.org/10.1096/fasebj.2022.36.S1.R2180). PubMed PMID: 35555945 [REDCap](#)
- PubMed Search:** **Rook J**, Bender A, Dickerson J, Foster D, Rodriguez A, Niswender C, Hess E, Conn J, Lindsley C. Development of Novel M4 Muscarinic Acetylcholine Receptor Antagonists for the Treatment of Movement Disorders. *FASEB J.* 2022 May; 36 Suppl 1. [doi:10.1096/fasebj.2022.36.S1.L8009](https://doi.org/10.1096/fasebj.2022.36.S1.L8009). PubMed PMID: 35555744 [REDCap](#)
- PubMed Search:** Ferranti AS, Ishmam T, Swann IC, Du J, Mariadoss J, Craig LW, **Rook JM**, Conn PJ, Foster DJ. CB2 Receptor Potentiation Mediates Antipsychotic-like Efficacy in Mice. *FASEB J.* 2022 May; 36 Suppl 1. [doi:10.1096/fasebj.2022.36.S1.0R357](https://doi.org/10.1096/fasebj.2022.36.S1.0R357). PubMed PMID: 35553978 [REDCap](#)

## Existing Citations

- PubMed Search:** Bender AM, Carter TR, Spock M, Rodriguez AL, Dickerson JW, **Rook JM**, Chang S, Qi A, Presley CC, Engers DW, Harp JM, Bridges TM, Niswender CM, Conn PJ, Lindsley CW. Synthesis and characterization of chiral 6-azaspiro[2.5]octanes as potent and selective antagonists of the M muscarinic acetylcholine receptor. *Bioorg Med Chem Lett.* 2021 November 24; 56:128479. [doi:10.1016/j.bmcl.2021.128479](https://doi.org/10.1016/j.bmcl.2021.128479). PubMed PMID: 34838649 [REDCap](#)
- PubMed Search:** Moehle MS, Bender AM, Dickerson JW, Foster DJ, Qi A, Cho HP, Donsante Y, Peng W, Bryant Z, Stillwell KJ, Bridges TM, Chang S, Watson KJ, O'Neill JC, Engers JL, Peng L, Rodriguez AL, Niswender CM, Lindsley CW, Hess EJ, Conn PJ, **Rook JM**. Discovery of the First Selective M Muscarinic Acetylcholine Receptor Antagonists with Antiparkinsonian and Antidystonic Efficacy. *ACS Pharmacol Transl Sci.* 2021 August 13; 4(4):1306-1321. [doi:10.1021/acscptsci.0c00162](https://doi.org/10.1021/acscptsci.0c00162). PubMed PMID: 34423268 [REDCap](#) [PMC8369681](#).

# Types of Matches



## ORCID ID: Automatically approved

- ✓ **ORCID ID Match:** Oates JC, Russell DL, Van Beusecum JP. Endothelial cells: potential novel regulators of renal inflammation. Am J Physiol Renal Physiol. 2022 March 01; 322(3):F309-F321. doi:10.1152/ajprenal.00371.2021. PubMed PMID: 35129369 REDCap PMC8897017.

## Institutional Process: Automatically approved

- ✓ **VICTR Script:** Joosse BA, Jackson JH, Cisneros A, Santhin AB, Smith SA, Moore DJ, Crofford LJ, Wilfong EM, Bonami RH. High-Throughput Detection of Autoantigen-Specific B Cells Among Distinct Functional Subsets in Autoimmune Donors. Front Immunol. 2021 January; 12:685718. doi:10.3389/fimmu.2021.685718. PubMed PMID: 34234784 REDCap PMC8256427.

## PubMed Search: Can be manually or auto-approved

- ✓ **PubMed Search:** Bender AM, Carter TR, Spock M, Rodriguez AL, Dickerson JW, Rook JM, Chang S, Qi A, Presley CC, Engers DW, Harp JM, Bridges TM, Niswender CM, Conn PJ, Lindsley CW. Synthesis and characterization of chiral 6-azaspiro[2.5]octanes as potent and selective antagonists of the M muscarinic acetylcholine receptor. Bioorg Med Chem Lett. 2021 November 24; 56:128479. doi:10.1016/j.bmcl.2021.128479. PubMed PMID: 34838649 REDCap

# Wrangling New Publications



Several ways to decide if a publication is the scholar's:

- First and middle initials: Jerri is always JM Rook, so if JB Rook, MJ Rook, throw out
- Paper titles: Similar field? Jerri's are all neuroscience, pharmacology, mechanistic
- Coauthors: Do familiar names show up? Foster, Conn, Moehle, Bender, Rodriguez, Lindsley, etc.
- PubMed: When in doubt, click the PubMed link at the end of the citation

# Wrangling New Publications



## Synthesis and characterization of chiral 6-azaspiro[2.5]octanes as potent and selective antagonists of the M<sub>4</sub> muscarinic acetylcholine receptor

Aaron M Bender<sup>1</sup>, Trever R Carter<sup>2</sup>, Matthew Spock<sup>2</sup>, Alice L Rodriguez<sup>2</sup>, Jonathan W Dickerson<sup>2</sup>, **Jerri M Rook<sup>2</sup>**, Sichen Chang<sup>2</sup>, Aidong Qi<sup>2</sup>, Christopher C Presley<sup>2</sup>, Darren W Engers<sup>2</sup>, Joel M Harp<sup>3</sup>, Thomas M Bridges<sup>2</sup>, Colleen M Niswender<sup>4</sup>, P Jeffrey Conn<sup>4</sup>, Craig W Lindsley<sup>5</sup>

Affiliations

### Affiliations

<sup>1</sup> Warren Center for Neuroscience Drug Discovery, Vanderbilt University Medical Center, Nashville, TN 37232, United States; Department of Pharmacology, Vanderbilt University Medical Center, Nashville, TN 37232, United States. Electronic address: aaron.bender@vanderbilt.edu.

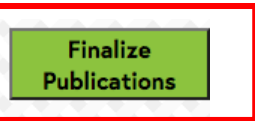
<sup>2</sup> Warren Center for Neuroscience Drug Discovery, Vanderbilt University Medical Center, Nashville, TN 37232, United States; Department of Pharmacology, Vanderbilt University Medical Center, Nashville, TN 37232, United States.

# Finalize



## 3 New Citations

[Select All New Citations](#) | [Deselect All New Citations](#)



- PubMed Search: Rodriguez RM, Foster DJ, Lavery ML, Johnston CM, Moehle MS, Dickerson JW, **Rook JM**, Conn PJ. Hyperactive Striatal Dopamine Signaling Observed in Huntington's Disease Mouse Models Prior to Motor Symptom Onset Can be Attenuated via Activation of M Receptors. FASEB J. 2022 May; 36 Suppl 1. doi:10.1096/fasebj.2022.36.S1.R2180. PubMed PMID: 35555945 REDCap **Original Research**
- PubMed Search: **Rook J**, Bender A, Dickerson J, Foster D, Rodriguez A, Niswender C, Hess E, Conn J, Lindsley C. Development of Novel M4 Muscarinic Acetylcholine Receptor Antagonists for the Treatment of Movement Disorders. FASEB J. 2022 May; 36 Suppl 1. doi:10.1096/fasebj.2022.36.S1.L8009. PubMed PMID: 35555744 REDCap **Original Research**
- PubMed Search: Ferranti AS, Ishmam T, Swann IC, Du J, Mariadoss J, Craig LW, **Rook JM**, Conn PJ, Foster DJ. CB2 Receptor Potentiation Mediates Antipsychotic-like Efficacy in Mice. FASEB J. 2022 May; 36 Suppl 1. doi:10.1096/fasebj.2022.36.S1.OR357. PubMed PMID: 35553978 REDCap **Original Research**

Finalizing will move you to the next record with new citations



# Wait! I Messed Up!



## Instructions at the top of all scholar pages

To undo any actions made here, open the Citation form in the given REDCap record and change the answer for the **Include?** question. Yes means accepted; no means omitted; blank means yet-to-be wrangled.

✓ **PubMed Search:** Bender AM, Carter TR, Spock M, Rodriguez AL, Dickerson JW, **Rook JM**, Chang S, Qi A, Presley CC, Engers DW, Harp JM, Bridges TM, Niswender CM, Conn PJ, Lindsley CW. Synthesis and characterization of chiral 6-azaspiro[2.5]octanes as potent and selective antagonists of the M muscarinic acetylcholine receptor. *Bioorg Med Chem Lett.* 2021 November 24; 56:128479. doi:10.1016/j.bmcl.2021.128479. PubMed PMID: 34838649 **REDCap**

Change the “Include?”  
radio button as  
needed

**Citation**

Current instance:

46 – 34838649 Synthesis and characterization of chiral 6-azaspiro[2.5]octanes as potent and selective antagonists of the M muscarinic acetylcholine receptor

Editing existing Record Id 243. (Instance #46) Jerri Rook

Record Id	243
PubMed ID (PMID)	<input type="text" value="34838649"/>
Include?	<input checked="" type="radio"/> Yes <input type="radio"/> No <a href="#">reset</a>
Source	<input type="text" value="PubMed Search"/>

# Exclusions



[Home](#) [General](#) [Grants](#) [Pubs](#) [View](#) [Wrangle](#) [Scholars](#) [REDCap](#) [Dashboards](#) [Cohorts / Filters](#) [Mentors](#) [Resources](#) [Help](#)

This page is complex. [Click here to show help.](#)

To undo any actions made here, open the Citation form in the given REDCap record and change the answer for the **Include?** question. Yes means accepted; no means omitted; blank means yet-to-be wrangled.

Comma-Separated Exclude List:

## Publication Wrangler

This page is meant to confirm the association of publications with authors.

**Exclude:** Can remove doppelgangers (e.g., your scholar is JA Smith, never JB Smith, so exclude JB Smith)

## Final Thoughts



- Can be wrangled as frequently as you wish, but remember...
- This data feeds the publications HTML widget (not wrangled = not in the list)
- Scholars will have the opportunity to confirm unwrangled publications via survey

# Survey Example



## Publications

*We only track publications from the start date of your first K or equivalent award. If you have left Vanderbilt and we didn't know your new institution (=was not pre-populated above), we do not have records of your papers with your new affiliation. You do not need to add them, as once we have collected your new institution, Flight Tracker will automatically update with these papers.*

### 3 Citations to Review (Check to Confirm as Your Paper)

- Rodriguez RM, Foster DJ, Lavery ML, Johnston CM, Moehle MS, Dickerson JW, **Rook JM**, Conn PJ. Hyperactive Striatal Dopamine Signaling Observed in Huntington's Disease Mouse Models Prior to Motor Symptom Onset Can be Attenuated via Activation of M Receptors. FASEB J. 2022 May; 36 Suppl 1. [doi:10.1096/fasebj.2022.36.S1.R2180](https://doi.org/10.1096/fasebj.2022.36.S1.R2180). PubMed PMID: 35555945
- Rook J**, Bender A, Dickerson J, Foster D, Rodriguez A, Niswender C, Hess E, Conn J, Lindsley C. Development of Novel M4 Muscarinic Acetylcholine Receptor Antagonists for the Treatment of Movement Disorders. FASEB J. 2022 May; 36 Suppl 1. [doi:10.1096/fasebj.2022.36.S1.L8009](https://doi.org/10.1096/fasebj.2022.36.S1.L8009). PubMed PMID: 35555744
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### 1 Citations to Omit [\(Show\)](#)

### 46 Citations Already Accepted and Finalized [\(Show\)](#)

PMID:

Add PMID



# What's Next?

# ERIC Integration (Publications)



- Flight Tracker is branching into education.
- Most CTSA's have some educational component.
- ERIC = Education's PubMed



**Collection** **Thesaurus**

Search education resources  [Advanced Search Tips](#)

Peer reviewed only     Full text available on ERIC

## “July Comes Once a Year”



- July for biomedical academics = new crop of students/residents/etc.
- If you want something to engage your trainees with, try **Mentee-Mentor Agreements** (Mentors menu)



- Structured mentoring relationships to enhance **focused intensity**
- Time to prepare is **now**

# Troubleshooting Call



## Monthly Troubleshooting Call (optional)

Third Wednesday at 1pm Central Time  
June 15, 2022

*Driven by Your Questions & Problems*

All are welcome!

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

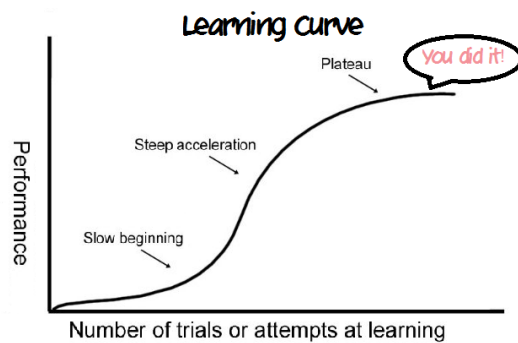




# Newbie Call



## Just getting started with Flight Tracker?



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

**Friday, June 10 at 12pm Central Time**

**Tuesday, June 14 at 12pm Central Time**

Leave your email in the chat to receive an invitation

# Office Hours with Rebecca & Scott

