

Flight Tracker Consortium Meeting

August 5, 2020

Miscellany

Rebecca Helton & Scott J. Pearson



Meeting Agenda



- Update on NIH Tables - Tables 5 & 8
- Upcoming: Mentor Database (and Table 2)
- Surveys and Automated Emails - Call for Testers
- Vanderbilt-Only Update
- Office Hours to Get Help - Rebecca Helton and Scott Pearson
- Next Meeting: September 2, 2020 - Publications and Bibliometrics

NIH Reporting Tables



- Currently, we're reviewing support for NIH Tables 5, 6 & 8 as well as the CTSA Common Metrics
- At Vanderbilt, we're trying to use for our CTSA renewal in December
- We are aware of xTRACT and long-term, would love to hook Flight Tracker up to that NIH system
- Baby steps...



NIH Reporting Tables



Warning: These data are still in the process of being fixed.

NIH Tables 5: Publications



Trainee Name	Faculty Member	Past or Current Trainee	Training Period	Publication
Khaled Abdel-Kader	Alp, T.	Current	Not Available-Present	No Publications: Explanation Needed
Ty Abel	Moses, Hal	Past	2006-2009	<p>Becher MW, Abel TW, Thompson RC, Weaver KD, Davis LE. 2006, Immunohistochemical analysis of metastatic neoplasms of the central nervous system, J. Neuropathol. Exp. Neurol, 65:935-44.</p> <p>Valentine WM, Abel TW, Hill KE, Austin LM, Burk RF. 2008, Neurodegeneration in mice resulting from loss of functional selenoprotein P or its receptor apolipoprotein E receptor 2, J. Neuropathol. Exp. Neurol, 67:68-77.</p> <p>Danlhi P, Kobayashi T, Holm GH, Hansberger MW, Abel TW, Dermody TS. 2008, Reovirus apoptosis and virulence are regulated by host cell membrane penetration efficiency, J. Virol, 82:161-72.</p> <p>Bierie B, Stover DG, Abel TW, Chytil A, Gorska AE, Aakre M, Forrester E, Yang L, Wagner KU, Moses HL. 2008, Transforming growth factor-beta regulates mammary carcinoma cell survival and interaction with the adjacent microenvironment, Cancer Res, 68:1809-19.</p> <p>Sun DA, Yu H, Spooner J, Tatsas AD, Davis T, Abel TW, Kao C, Konrad PE. 2008, Postmortem analysis following 71 months of deep brain stimulation of the subthalamic nucleus for Parkinson disease, J. Neurosurg, 109:325-9.</p> <p>Stevenson CB, Ehteshami M, McMillan KM, Valadez JG, Edgeworth ML, Price RR, Abel TW, Mapara KY, Thompson RC. 2008, CXCR4 expression is elevated in glioblastoma multiforme and correlates with an increase in intensity and extent of peritumoral T2-weighted magnetic resonance imaging signal abnormalities, Neurosurgery, 63:560-9; discussion 569-70.</p> <p>Danlhi P, Coffey CM, Parker JS, Abel TW, Dermody TS. 2008, Independent regulation of reovirus membrane penetration and apoptosis by the mu1 phi domain, PLoS Pathog, 4:e1000248.</p> <p>Antar AA, Konopka JL, Campbell JA, Henry RA, Perdigo AL, Carter BD, Pozzi A, Abel TW, Dermody TS. 2009, Junctional adhesion molecule-A is required for hematogenous dissemination of reovirus, Cell Host Microbe, 5:59-71.</p> <p>Reddy N, Abel TW, Jagasia M, Morgan D, Weaver K, Greer J. 2009, Progressive multifocal leukoencephalopathy in a patient with follicular lymphoma treated with multiple courses of rituximab, Leuk. Lymphoma, 50:460-2.</p> <p>Abel TW, Clark C, Bierie B, Chytil A, Aakre M, Gorska A, Moses HL. 2009, GFAP-Cre-mediated activation of oncogenic K-ras results in expansion of the subventricular zone and infiltrating glioma, Mol. Cancer Res, 7:645-53.</p> <p>Rush SZ, Abel TW, Valadez JG, Pearson M, Cooper MK. 2010, Activation of the Hedgehog pathway in pilocytic astrocytomas, Neuro-oncology, 12:790-8.</p> <p>Janz DR, Abel TW, Jackson JC, Gunther ML, Heckers S, Ely EW. 2010, Brain autopsy findings in intensive care unit patients previously suffering from delirium: a pilot study, J Crit Care, 25:538.e7-12.</p> <p>Chambless LB, Angel FB, Abel TW, Xia F, Weaver KD. 2010, Delayed cerebral radiation necrosis following treatment for a plasmacytoma of the skull, Surg Neurol Int, 1:65.</p> <p>Nickols HH, Chambless LB, Carson RP, Coffin CM, Pearson MM, Abel TW. 2010, Intramedullary spinal immature teratoma: resolution of quadriplegia following resection in a 4-week-old infant, J Neurosurg Pediatr, 6:586-91.</p> <p>Darbar D, Parvez B, Abraham R. 2012, Repolarization recipes for atrial fibrillation: beyond single channel variants, J. Am. Coll. Cardiol, 59:1026-8.</p> <p>Barrett TW, Abraham RL, Jenkins CA, Russ S, Storrow AB, Darbar D. 2012, Risk factors for bradycardia requiring pacemaker implantation in patients with atrial fibrillation, Am. J. Cardiol, 110:1315-21.</p> <p>Barrett TW, Abraham RL, Self WH. 2014, Usefulness of a low CHADS2 or CHA2DS2-VASc score to predict normal diagnostic testing in emergency department patients with an acute exacerbation of previously diagnosed atrial fibrillation, Am. J. Cardiol, 113:1668-73.</p> <p>Vijayakumar R, Silva JNA, Desouza KA, Abraham RL, Strom M, Sacher F, Van Hare GF, HaA⁻ssaguerre M, Roden DM, Rudy Y. 2014, Electrophysiologic substrate in congenital Long QT syndrome: noninvasive mapping with electrocardiographic imaging (ECGI), Circulation, 130:1936-1943.</p> <p>Barrett TW, Storrow AB, Jenkins CA, Abraham RL, Liu D, Miller KF, Moser KM, Russ S, Roden DM, Harrell FE, Darbar D. 2015, The AFFORD clinical decision aid to identify emergency department patients with atrial fibrillation at low risk for 30-day adverse events, Am. J. Cardiol, 115:763-70.</p> <p>Kolek MJ, Patel NJ, Clair WK, Whalen SP, Rottman JN, Kanagasundram A, Shen ST, Saavedra PJ, Estrada JC, Abraham RL, Ellis CR. 2015, Efficacy of a Bio-Available Antibacterial Envelope to Prevent Cardiac Implantable Electronic Device Infections in High-Risk Subjects. J Cardiovasc Electrophysiol, 26:1111-6.</p>
Robert Abraham	Not Available	Current	2010-Present	

NIH Tables 8: Outcomes



Trainee	Faculty Member	Start Date	Summary of Support During Training	Terminal Degree(s) Received and Year(s)	Topic of Research Project (From Grant Title of K Award)	Initial Position Department Institution Activity	Current Position Department Institution Activity	Subsequent Grant(s)/Role/Year Awarded
Bobo, William	Ray, Wayne	06/2008	Please Edit <input type="text"/>	MD Unknown Year	Pharmacoepidemiology of Atypical Antipsychotic Drugs	Staff Physician Other (999999) Mayo Clinic Research-Related	Not Available Psychiatry/Adult Psychiatry [104529] Mayo Clinic Florida Not Available	Not Available
Crawford, Dana	Roden, Dan	06/2008	Please Edit <input type="text"/>	PhD 2000	Epidemiologic Architecture for Genes Linked to Environment (EAGLE)	Professor Other (999999) Case Western Reserve University Research-Intensive	Not Available Other (999999) Not Available Not Available	Not Available
Miller, E.Kathryn	Polack, Fernando	07/2008	Please Edit <input type="text"/>	MD Unknown Year	The Role of Human Rhinoviruses in Premature Infant Respiratory Disease and Asthma	Physician Not Available Allergy & Asthma, PC Other	Not Available Other (999999) Not Available Not Available	Not Available
Xu, Hua	Roden, Dan	06/2009	Please Edit <input type="text"/>	PhD 2008	Real-time Disambiguations of Abbreviations in Clinical Notes	Robert H. Graham Professor in Entrepreneurial Biomedical Informatics and Bioengineering Other (999999) University of Texas-Austin Research-Intensive	Not Available Other (999999) Not Available Not Available	Not Available
Shibao, Cyndya	Biaggioni, Italo	07/2009	Please Edit <input type="text"/>	MD 2001	Obesity hypertension in African American women: Neuro-metabolic mechanisms	Associate Professor Medicine/Clinical Pharmacology [104342] Vanderbilt University Medical Center Research-Intensive	Not Available Medicine/Clinical Pharmacology [104342] Vanderbilt University Medical Center Not Available	Not Available
Geisberg, Carrie	Sawyer, Douglas	06/2010	Please Edit <input type="text"/>	MD Unknown Year	VCTRS	Associate Professor Not Available University of Alabama-Birmingham Research-Intensive	Not Available Other (999999) Not Available Not Available	Not Available
Edwards, Todd	Zheng, Wei	07/2010	Please Edit <input type="text"/>	PhD 2008	Not Available	Associate Professor Medicine/Epidemiology [104370] Vanderbilt University Medical Center Research-Intensive	Not Available Medicine/Epidemiology [104370] Vanderbilt University Medical Center Not Available	Not Available
Slew,	Please Edit <input type="text"/>	...	Diagnostic and Prognostic Relevance of Acute	Associate Professor Medicine/Nephrology [104375]	Not Available Medicine/Nephrology [104375]	...

Mentor Database: Introduction



- Flight Tracker databases are mentee databases
- At Vanderbilt, we've had discussion for some time about organizing a mentor database
- Our CTSA renewal has added some urgency to this as it would help us collect data for Table 2 and report to the NIH
- This is all very prospective → a trial balloon



Mentor Database: Key Components



- Same automated grants and publications download
- Custom survey to handle NIH reporting outcomes
- Ability to match expertise from mentor to prospective mentee
- Interaction with (forthcoming) Mentor Agreements
- Auto-populate list of mentors from mentors in Flight Tracker

Mentor Database: Table 2



Sample Table 2. Participating Faculty Members

Name	Degree(s)	Rank	Primary Department or Program	Research Interest	Training Role	Pre-doctorates In Training	Pre-doctorates Graduated	Postdoctorates Continued in Research or Related Careers	Post-doctorates In Training	Post-doctorates Completed Training	Postdoctorates Continued in Research or Related Careers
Abrams-Johnson, Jane	PhD	Asst. Prof.	Pharmacology	Regulation of Synthesis of Biogenic Amines	Preceptor Other Comm	1	2	2	1	0	0
Jones, Lisa S.	PhD	Res. Asst. Prof.	Biochemistry	Protein Structure, Folding, and Immunogenicity	Preceptor Exec Comm	3	3	3	4	2	2
Sandoz, Miguel J.	MD, PhD	Assoc. Prof.	Neuroscience	Developmental Genetics in Drosophila	Preceptor	4	6	5	4	8	6
Thomas, James C.	PhD	Prof.	Biochemistry	Molecular and Genetic Analysis of RNA Viruses	PD/PI	7	10	9	8	15	14

Mentor Database: Questions



- Would this be something of interest to you and your groups?
- If so, what else would be beneficial for you to see in this database?



Surveys and Automated Emails



- One of the current key shortcomings of Flight Tracker is that it does not have a suitable way to send out surveys to scholars
- We have a built-in but relatively untested interface to email scholars
- We'd like to test it on a couple of smaller projects before releasing more generally
- **If you're willing to volunteer your group, please let me or Rebecca know...**



Vanderbilt-Only Update



- On Friday, we are “hooking up the pipes” to collect data for all Vanderbilt Flight Tracker projects from:
 - COEUS (Grant Management System)
 - Vanderbilt Directory Services (LDAP) this week
- That data should automatically be collected over the week



Office Hours



Are there any specific ways we can help you advance Flight Tracker at your institution?

Have a Good August!

