

# Meeting minutes from the Biology Postdoc Cohort at Emory

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R version: 3.5.0

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This document can be found at [https://github.com/darwinanddavis/emory\\_postdocs](https://github.com/darwinanddavis/emory_postdocs)

#### Session info

R version 3.5.0 (2018-04-23)

Platform: x86\_64-apple-darwin15.6.0 (64-bit)

Running under: OS X El Capitan 10.11.6

Matrix products: default

BLAS: /Library/Frameworks/R.framework/Versions/3.5/Resources/lib/libRblas.0.dylib

LAPACK: /Library/Frameworks/R.framework/Versions/3.5/Resources/lib/libRlapack.dylib

locale:

[1] en\_US.UTF-8/en\_US.UTF-8/en\_US.UTF-8/C/en\_US.UTF-8/en\_US.UTF-8

attached base packages:

[1] stats graphics grDevices utils datasets methods base

loaded via a namespace (and not attached):

[1]	compiler_3.5.0	backports_1.1.2	magrittr_1.5	rprojroot_1.3-2	tools_3.5.0	htmltools_0.3.6
[7]	pillar_1.2.3	tibble_1.4.2	yaml_2.2.0	Rcpp_0.12.19	stringi_1.2.3	rmarkdown_1.10
[13]	knitr_1.20	stringr_1.3.1	digest_0.6.15	rlang_0.3.0.1	evaluate_0.10.1	

## Overview

This document contains the meeting minutes from the Biology Postdoc Cohort at Emory.

The group hosts regular meetups to learn about what the postdocs in Biology at Emory are doing, harness cool research skills and tools that everyone uses, foster research overlaps, brainstorm and troubleshoot ideas, discuss weird results that nobody knows the answer to, practise upcoming seminars, and simply build a stronger postdoc culture in Biology at Emory.

Questions and suggestions welcome at [matthew.malishev@emory.edu](mailto:matthew.malishev@emory.edu).

## TO DO list

- Add attending postdocs to OPE Emory list (Beverly)
- Come up with a cooler name for the group
- Other things
- Aim for a collaborative paper

*Next meetup:* February 8, 2019

January 11, 2019

IMPACT statement workshop

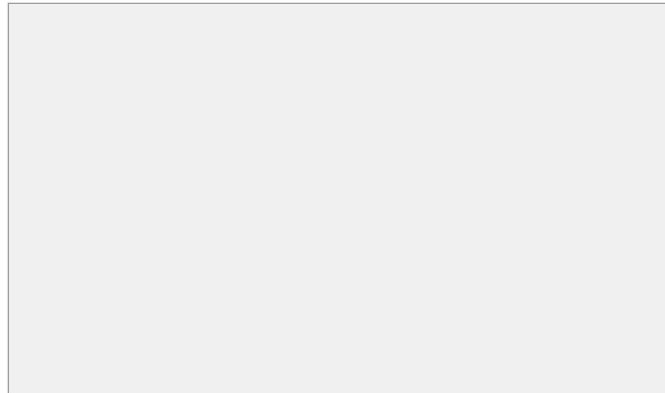
- Come up with a Impact Statment (3 line summary of your research) for next meeting.

[XKCD](#) inspired page for communicating your ideas using just the ten hundred most commonly-used words:  
[The Up-Goer Five Text Editor](#)



## THE UP-GOER FIVE TEXT EDITOR

CAN YOU EXPLAIN A HARD IDEA USING ONLY THE [TEN HUNDRED](#) MOST USED WORDS? IT'S NOT VERY EASY. TYPE IN THE BOX TO TRY IT OUT.



[HINTS](#) [TOP](#) [LATEST](#) [LIBRARY](#) [RANDOM](#)

Figure 1: Check out this page for a practical way of communicating your super complex research: [The Up-Goer Five Text Editor](#)

### Some writing guides from the masses

[The Elements of Style](#) by Strunk and White

[Revising Prose](#) by Richard Lanham

[Idead into Words](#) by Elise Hancock **Matt's personal favourite**

December 14, 2018

*Biosketch of postdocs*

**Matt Malishev**

Civitello lab

Bioenergetics and individual-based modelling of host-parasite dynamics of human schistosome populations; spatial simulation modelling; metabolic theory

**Molly Gallagher**

Koelle lab

Disease ecology; differential equation models; current work focuses on modeling defective interfering particles in influenza

**Aileen Berasategui Lopez**

Gerardo lab

The genomic and chemical basis of host-fidelity

**Caitlin Conn**

Gerardo lab

Host range and its genetic basis in a mycoparasite

**Jeremy Harris**

Koelle lab

Current IAV modeling: Passage study modeling, estimating bottleneck sizes

**Mary Bushman**

Rustom lab

Linking within- and between-host dynamics of infectious diseases (modeling)

**David Nicholson**

Prinz lab

“Lifelong Learning Machines” – continual machine learning algorithms

**Julien Catanese**

Jaeger lab

**Derrick Morton**

Corbett lab

Studying how defects in RNA processing lead to neurodegenerative disease

**Scott Villa**

Gerardo lab

Role of endosymbionts in driving host reproductive isolation and adaptive radiation

**Rohan Mehta**

Weissman Lab

Evolution in spatially-structured populations

**Workshop ideas**

IMPACT workshop

- Impact of science + advancement in research

Contact: Derrick

**November 30, 2018**

**Outcomes for postdoc group**

Meetings every second and fourth week

Talk therapy among working class postdocs

Intro talks from postdocs to group

- Lightning, 2-min talk for group
- New postdocs give a brief intro talk for their first meeting

Postdoc mentorship group for assisting grad students during qualifying exams

- Online directory of postdocs showcasing background and expertise. Include non-science background stuff, such as applying for international universities.  
The journal peer review system and open access science
- Using *bioRxiv* and pre-prints
- Open access science
- Writing a paper on the science peer review system from postdoc perspective

**November 1, 2018**

**Ideas for things people want**

Collaborate on overlapping research  
Brainstorm ideas  
Present new results  
Practise conference talks  
Writing retreats  
Regular coding/math club

**Bigger ideas**

Combine other labs/departments  
- other biology floor levels  
- math/env sciences



## Links and ideas