Meeting minutes from the Biology Postdoc Cohort at Emory

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Contents

Date: 2018-12-19
R version: 3.5.0
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This document can be found at 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.

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: **January 4, 2018**

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

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 *bioarXiv* 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