GOALS and PLANNING
FROM JANE

Name & date

Accomplishments (from previous timeframe)

Published paper
Drafted main paper including new experiments
Genome editing experiment in progress
Wrote NSF research plan; funded!
Followup transgenics in progress
Tried CRISPRi - need to troubleshoot
CSHL poster
Fly meeting abstract submitted
Supervised George - expt in evolution paper
Supervised Ringo - sufficiency experiment
Supervised Paul - cofactor screen + followup
Talks at recruitment and retreat
Organized group meeting and journal club
Scheduled DAC #3

From Angela - expts on defining regulators

Research Goals (for upcoming timeframe)

Continue rescue experiment w/ genome editing
Measure followup constructs
cis/trans experiments for bifunctionality project
} high priority

Continue to support CRISPRi
Followup on cofactor screen
} low priority

From Angela -

- Think about kinetic synergy angle for second project
- Incorporate some followup in cell culture / bioinformatics

Professional & Personal Goals (for upcoming timeframe)

Apply for communication award
Submit main paper (think about where)
DAC #3
Present at a national meeting
Outline cofactor screen project
Start thinking about postdoc labs
Department talk?
Graduate late 2016

From Angela -

- If undergraduate-focused teaching + research is goal, think about system cost in postdoc lab
- Contact info for colleagues who have focused on undergraduate education.

Feedback TO ANGELA

New system has really helped with communication with you and others in lab
As always, you provide excellent support both scientifically and personally and help us develop as well-rounded scientists! :)
Writing the NSF grant was a great experience! 3-person team writing is a good template for the future.
We've gotten better at setting appropriate expectations for rotation students.
Lack of clear timetables on paper drafts have been a source of frustration for a couple lab members
I've mentored 7 people in 3 years and often feel like the only person with

GOALS and PLANNING

Jane Smith

FROM ANGELA

Accomplishments (from previous timeframe)

- ✓Helped to plan and write NSF grant.
- ✓Published paper!
- Mentored ✓George, ✓Ringo and ✓Paul
- ✓Organized and executed Genetics bootcamp course
- ✓Executed all CRISPRi cloning, got back transgenic flies
- ✓Finished data collection for all synthetic enhancers, have found the narrative for the paper
- ✓Half-way done with identifying all the regulators for 2nd enhancer project
- Poster @ CSHL
- Poster @ Fly Meeting

Grad program recruitment & retreat
DAC Meetings
Took over organizing journal club.

Research Goals (for upcoming timeframe)

- ✓For synthetic enhancer paper, need final piece of data on transgenic rescue
- ✓For second enhancer project, finish identifying all regulators, consider their functional role
- ✓Transcription factor bifunctionality project, complete cis and trans experiments outlined in the grant
- [Revisit the cell culture and biochemistry experiments suggested by your committee]

→ Not super interested in this, haven't taken any practical steps yet.

longer term, think about coordinating this project with John.

Professional & Personal Goals (for upcoming timeframe)

- ✓Work from paper drafts for two manuscripts above
- ✓Begin thinking of next steps at end of 2015
- ✓Presentation at conference?

- iBio presentation
- DAC #3
- Departmental talk
- Graduate 2016 - interviews for postdocs late 2015/early 2016.

☐ Aiming for research & teaching at undergrad institution

submit #1 (eLife, PLoS Bio, MSB, or PLoS Genetics)

Feedback

STRENGTHS - Science is coming along at a good pace - you may wrap up 3 separate papers before graduating. Such excellent communication skills (with me and everyone else in lab). Really appreciate how you keep things running and take the initiative to get things done (while I was on maternity leave, and since getting back). Writing the grant and the paper was fun for me, largely because it's fun to work together. Spectacular mentoring and teaching skills. Will be looking to you and John to help with the transition to a new set of people after the big turnover this year because of graduation and new jobs for multiple people.

AREAS FOR MORE FOCUS - You may need to triage some experimental directions if your goal is to graduate in 2016. It would be helpful to diversify your experiments (you're doing a lot of molecular biology and imaging). It's also time to start preparing for next steps (what can I do to help?).

FEEDBACK FOR ANGELA (from Jane)

- Writing the grant was a good experience
  - helped with writing skills
  - good opportunity to think about future directions
- I've gotten better at setting expectations for rotation students.
- There's a lack of clear time tables when writing papers. It's frustrating when the PI is the bottleneck. Maybe let people know what order they are in line if lots of people are in the queue for PI attention?
- Jane's done too much rotation student mentoring recently — she really needs a break.

GOALS and PLANNING

Jane Smith
Name & date

January — GRANT CONSTRUCT CLONING —

February — REDO COMPUTATIONAL ANALYSIS

March — FLY MEETING — poster, look @ postdoc labs
DAC

April — SUBMIT PAPER #1?

May

June — SEND IN REVISION OF R01

July — DATA COLLECTION ON TF CONSTRUCTS

August

September — DAC?

October — SUBMIT PAPER REVISION
DECIDE WHERE TO APPLY FOR POSTDOCS
OUTLINE THESIS.

November

December