Present Your PhD

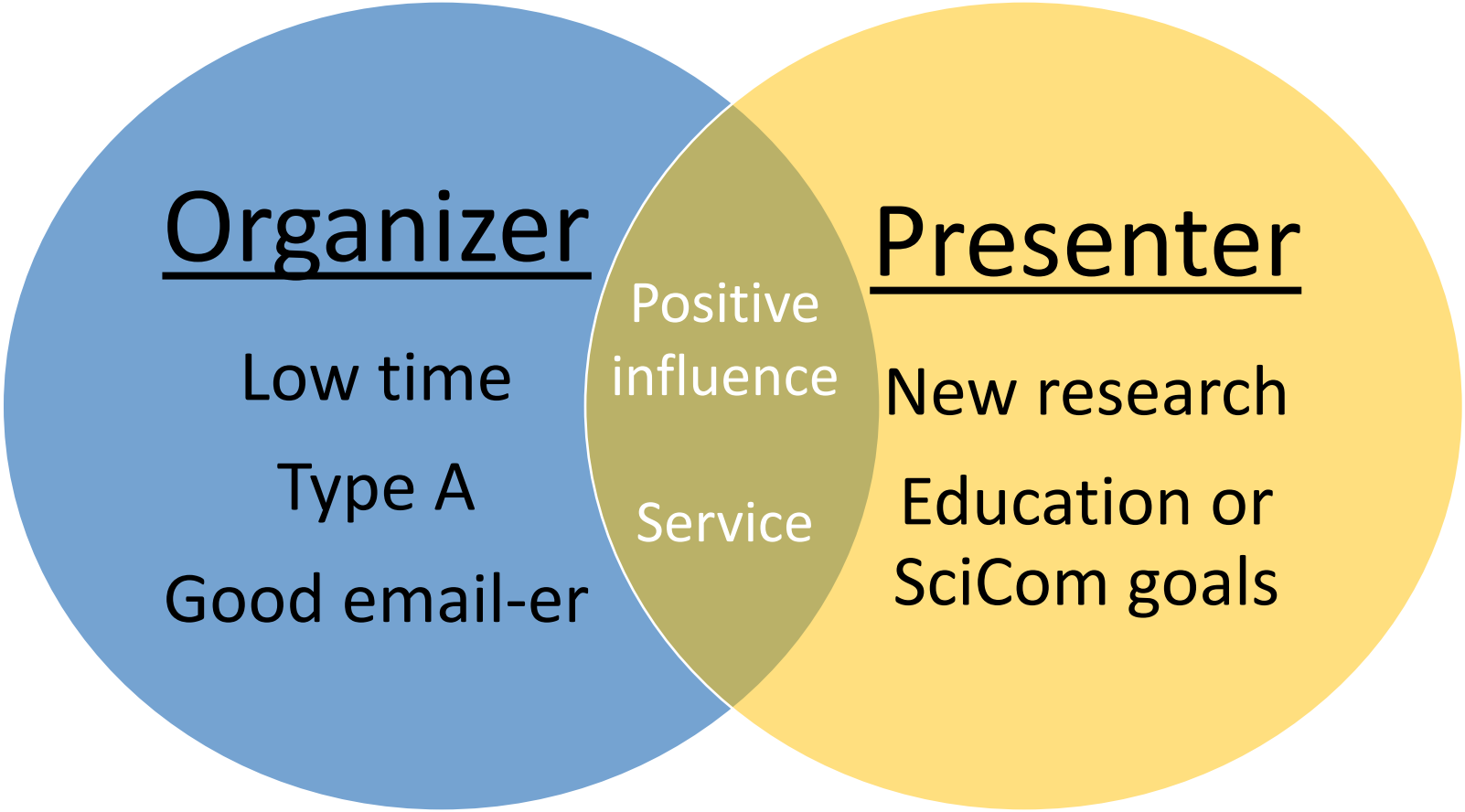
WHAT YOU NEED TO KNOW IN 7 SLIDES

Community

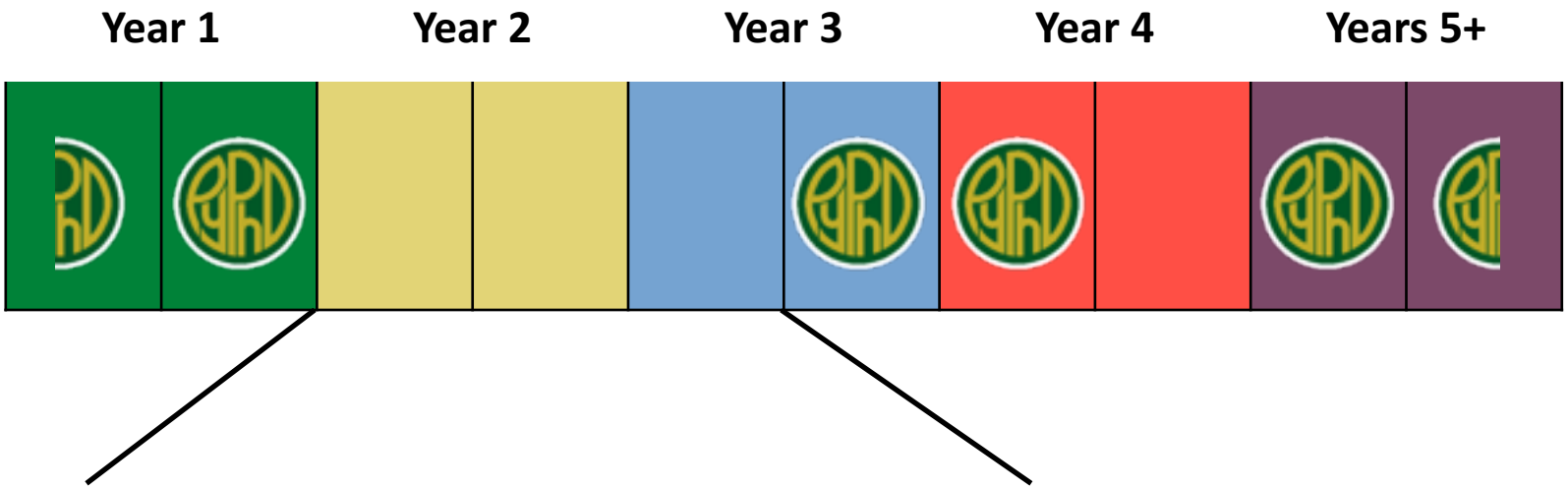
Over 1,100 reached in our first year

Research

Involvement Opportunities



Low Time Commitment – High Reward



In the times when you're too busy to present, stay on as an Organizer or take a few semesters off to focus on your program and your work

How does this benefit you?

National Institutes of Health

PyPhD Workflow

We establish a connection with a new collaborator

An **Organizer** is assigned to the collaborator

The **Organizer** establishes dates and times for PyPhD

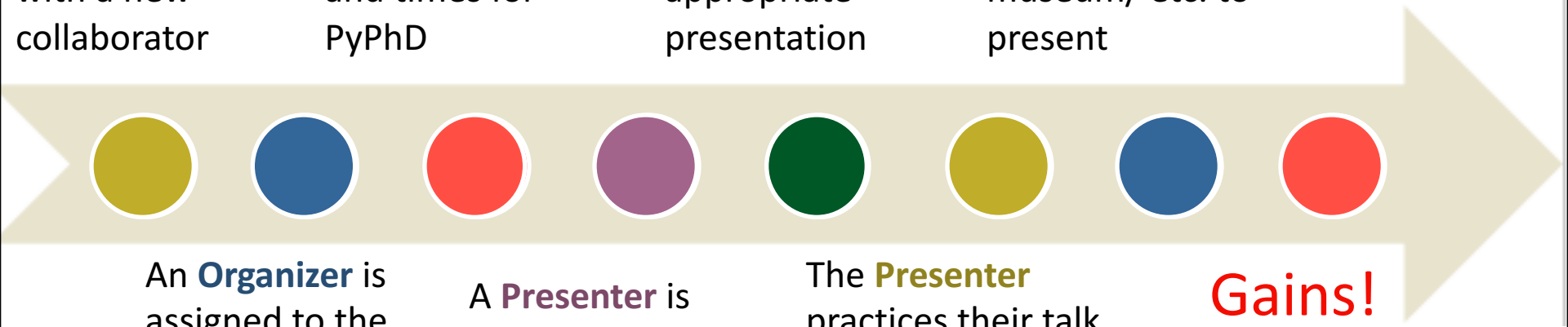
A **Presenter** is assigned

The **Presenter** crafts their age-appropriate presentation

The **Presenter** practices their talk with PyPhD members and receives feedback

The **Presenter** goes to the school/ museum/ etc. to present

Gains!



Workflow Time Breakdown

An **Organizer** is assigned to the collaborator

5- 15 minute meeting

The **Organizer** establishes dates and times for PyPhD

2-4 hours of emails over a few weeks

~4 hours max

A **Presenter** is assigned

The **Presenter** practices their talk with PyPhD members and receives feedback

The **Presenter** crafts their age-appropriate presentation

The **Presenter** goes to the school/ museum/ etc. to present

5 min email response

2 hours to make presentation

1 hour practice

1-2 hours presenting

~6 hours max

Communicating Science to Young Learners

3 ways to do it in 2 minutes or less

Hormone time-travel: retrospective endocrinology using baleen whale earplugs

Main thing I want to get across: Whale earplugs are a proxy for aging and can be used to detect pregnancies.

How to modify: Whale earwax is like tree growth rings, we can use them to tell how old whales are.

We can analyze each of these layers to look for a substance that is common during pregnancies. We found out whales can get pregnant more than 16 times in their lives!

Who here has 16 siblings?

Development of novel antimicrobial peptides targeted against specific pathogenic bacteria

New drugs because the old ones are not more effective

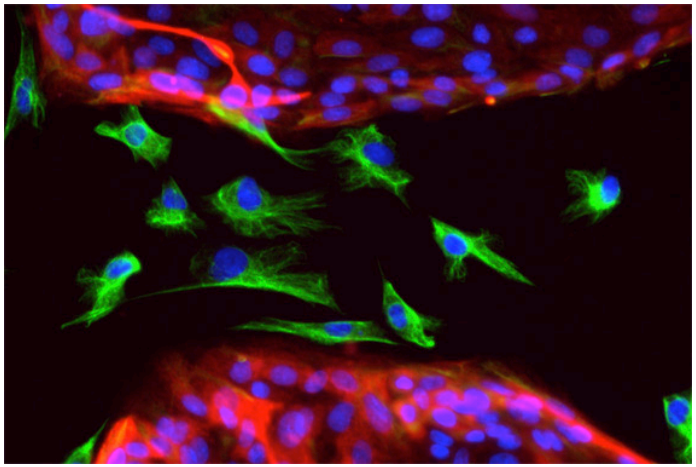
Antibiotics that usually kill all bacteria

These drugs will kill only the bad ones, leave the others

Some bacteria are really really bad, while others are actually helpful

Increasing chemosensitivity: microRNA-203 and Ophiobolin A selectively target triple negative breast cancer stem-like cells

Define the key concept you want to convey



Cancer stem cells

- Why do we care?
- Analogy for understanding
- Why are they cool?
- How do I study it?

Contact Us

Present Your PhD
Baylor Sciences Building

presentyourphd@baylor.edu

Visit us on the Web:

blogs.baylor.edu/presentyourphd

Or Find us on Social!

facebook.com/presentyourphd

Instagram @baylorpyphd