K Club, Week 12

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Today's Topics

- Facilities and Other Resources
- Equipment
- Environment and Institutional Commitment to Candidate
- Resource Sharing Plan (if Applicable)
- Action Items

K Application Sections

Research

- **Specific Aims** (1 page)
- **Research Strategy** (6 pages: **Significance, Innovation, Approach**)

- **Training in Responsible Conduct of Research** (1 page)

- **Project Summary / Abstract** (30 lines of text)

- **Project Narrative** (3 sentences)

- **Protection of Human Subjects from Research Risk**

- **Inclusion of Women and Minorities**
- **Inclusion of Individuals Across the Lifespan**

- **Inclusion Enrollment Report**

- **Budget + Budget Justification**
- **Bibliography + References Cited**

Career

- **Candidate Information and Goals for Career Development** (6 pages: **Candidate Background, Career Goals/Objectives, Career Development/Training Plan**)

- **Plans and Statements of Mentor and Co-Mentors** (6 pages)

- **NIH Biosketches** for you, Mentor, Co-Mentors (max 5 pages each)

- **Three Letters of Reference**

- **Letters of Support from Collaborators, Contributors and Consultants** (6 pages max)

- **Cover Letter**

Setting

- **Facilities and Other Resources**

- **Equipment**

- **Environment and Institutional Commitment to Candidate**

- **Resource Sharing Plan (if Applicable)**

Facilities and Other Resources (no page limit)

Are there enough organizational (University) resources available to you to perform the research you are proposing?

Facilities and Other Resources (no page limit)

- Identify what facilities you will use (Laboratory, Animal, Computer, Office, Clinical, and Other) and describe:
  - Their capacities (include square footage, address, and physical aspects)
  - Capabilities related to your proposed project (what do they enable you to do)
  - Relative proximity to each other
 - Extent of availability to your project

Facilities and Other Resources (no page limit)

▶ What is your University's <u>INVESTMENT</u> in your success? Discuss:

  ▶ Resources for classes, travel, training

  ▶ Career enrichment programs, collegial support, organized peer groups, guidance in supervision of trainees

  ▶ Logistical support (administrative management/oversight, best practices training)

  ▶ Financial support (protected time for research with salary support)

Facilities and Other Resources

▶ Check with your Grants office/person to see if there is an established template of this document that you can edit to fit your project!
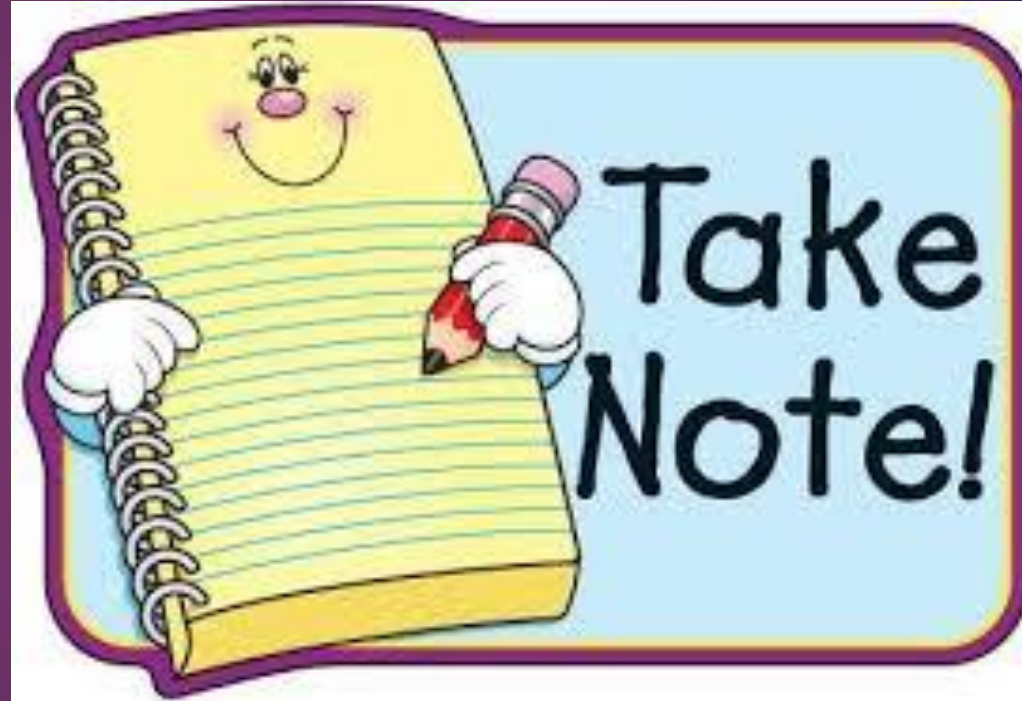
Equipment (no page limit)

- ▶ List major items of equipment already available for your project
- ▶ Check if your University has a catalog of core facilities to help you find equipment
- ▶ Identify the equipment's location and capabilities relevant to your project

Equipment: The following is a list of key equipment already in place in the lab or in facilities that are shared and are essential to the success of the project.

Important for the Microinjection:

Eppendorf FemtoJet microinjector (3), Leica DM1000 compound microscope (3), Leica micromanipulator and base plate (3), Leica MZ6 dissecting microscopes (7). Sutter K.T. Brown Type micropipette beveler model BV-10 (2), Sutter laser micropipette puller model P-2000.

Important for Cell Culture and Virus Infection Assays:

Six-foot Labconco A2 Biosafety cabinet, Sorvall Legend Mach 1.6R centrifuge with bioseal, 2 Fisher isotemp CO2 incubators, inverted miscroscope, BTX ECM 630 electroporator, -80C, -20C, 4C refrigerators/freezers. Hemotek 5W1 membrane feeding system for the delivery of infectious bloodmeals.

Equipment

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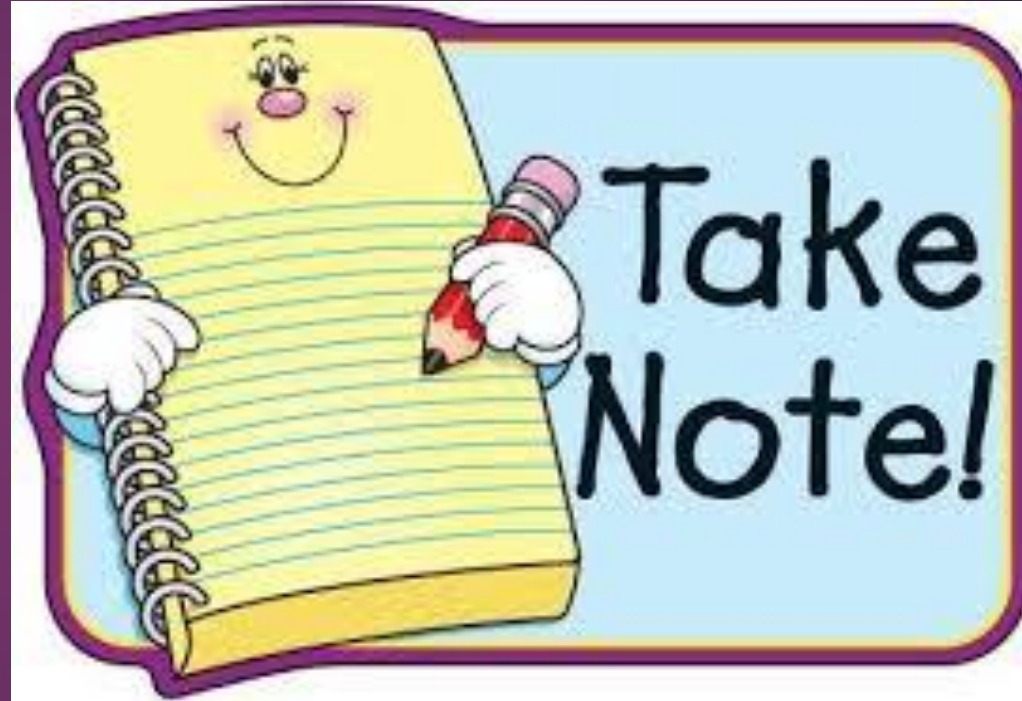
Environment and Institutional Commitment to Candidate

▶ Typically someone from your Institution writes this letter of support for you (ask your Primary Mentor/Grants Office who it will be, maybe the Dean, Chair of your Department, or a Provost?) but you likely will need to supply some text to that person to address the following:

▶ To what extent does the institution provide a <u>high quality environment</u> appropriate for the candidate's development during the K99 phase of the award?

▶ To what extent are the <u>research facilities and educational opportunities</u>, including collaborating faculty, <u>adequate and appropriate for the candidate's research and career development goals</u> during the K99 phase of the award?

▶ Is adequate evidence provided that the K99 sponsoring institution is <u>strongly committed to fostering the candidate's development</u> and preparation for transition to independence?

▶ Is there adequate assurance that the <u>required minimum of 9 person-months (75% of the candidate's full-time professional effort) will be devoted directly to the research training, career development, and research activities</u> proposed for the K99 phase of the award?
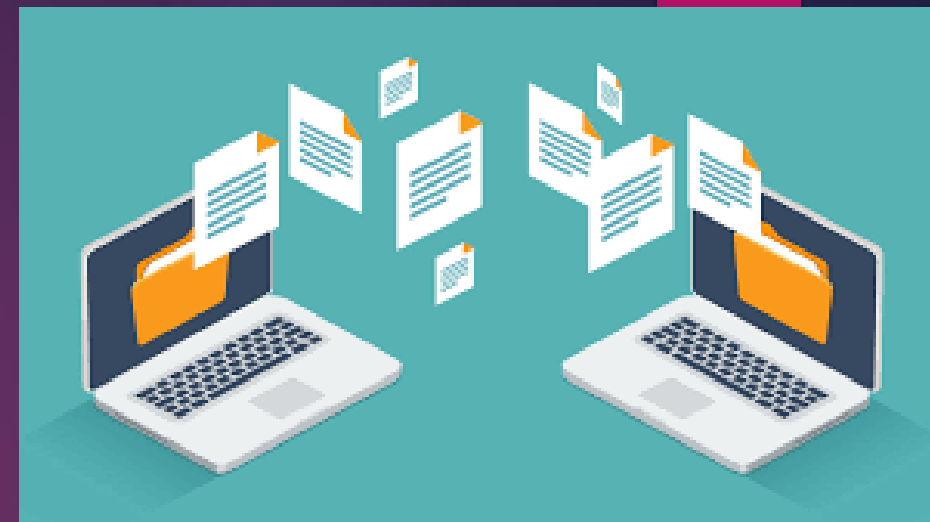
FACULTY SUPPORT

Environment and Institutional Commitment to Candidate

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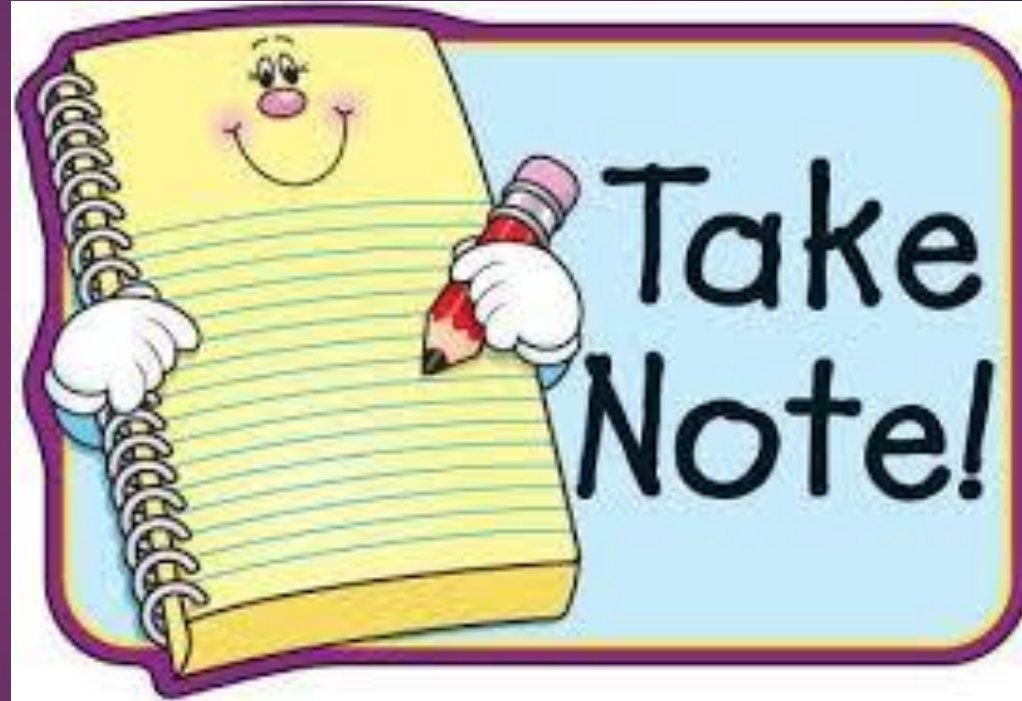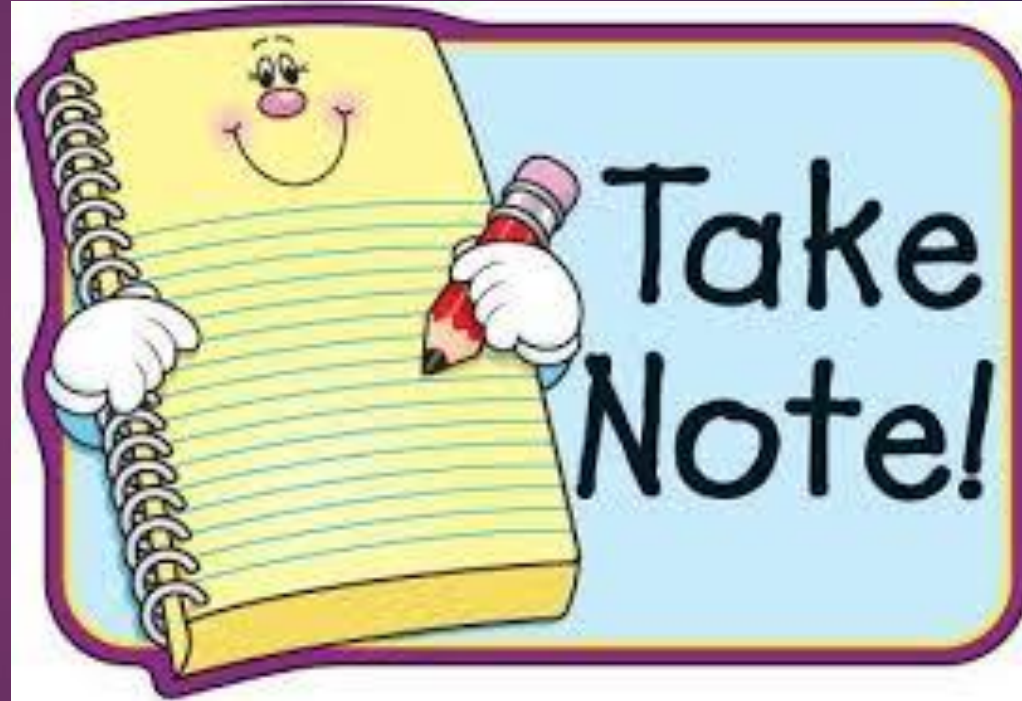
Resource Sharing Plan (if applicable)

▶ Check your FOA to make sure you need to include it

▶ Here you explain how you will share data and resources from your project

▶ https://grants.nih.gov/grants/peer/guidelines_general/Resource_sharing_plans.pdf

▶ Address the following (write 'Not applicable' for those not relevant):

  ▶ Data Sharing Plan

    ▶ Will you make raw and processed data reported in publications available to external groups? Under what conditions and why?

    ▶ Will you make software documentation/code available for free? Under what conditions and why?

    ▶ How will you disseminate results of this research (e.g. scientific conferences, university lectures, public talks, publication in journals)

  ▶ Sharing Model Organisms

  ▶ Genome-Wide Association Studies

Sharing is caring

Resource Sharing Plan

▶ Check with your Grants office/person to see if there is an established template of this document that you can edit to fit your project!

Action Items

▶ Write drafts of the following to share with your **Primary Mentor** and **Co-Mentors**:

  ▶ Facilities and Other Resources

  ▶ Equipment

  ▶ Resource Sharing Plan (if applicable)

▶ Talk to your **Primary Mentor** about what info to provide to the person who will be writing your **Environment and Institutional Commitment to Candidate**

  ▶ A lot of it should be from the **Facilities and Other Resources** and **Equipment** sections