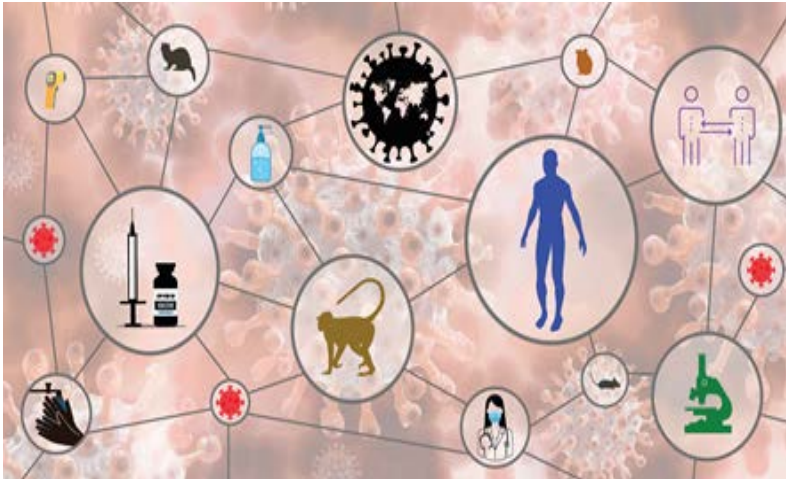




Bringing together Stakeholders: Users and Resources

ILAR Roundtable workshop

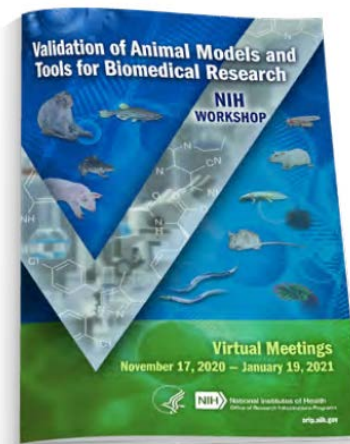
March 9, 2021

Franziska Grieder, DVM, PhD
NIH/OD/DPCPSI/ORIP

Bringing together Stakeholders: Data

Introduction

- In 2018, ORIP/NIH published a report indicating a potential shortfall of NHPs, specifically rhesus macaques (and marmosets). <https://orip.nih.gov/nonhuman-primate-evaluation-and-analysis-part-1-analysis-future-demand-and-supply>
- The need for NHP models for SARS-CoV-2/COVID-19 infection has exacerbated the demand, particularly for rhesus and cynomolgus macaques, which are of limited supply in the U.S.
- Sources of NHP
- Stakeholders need to be engaged to succeed



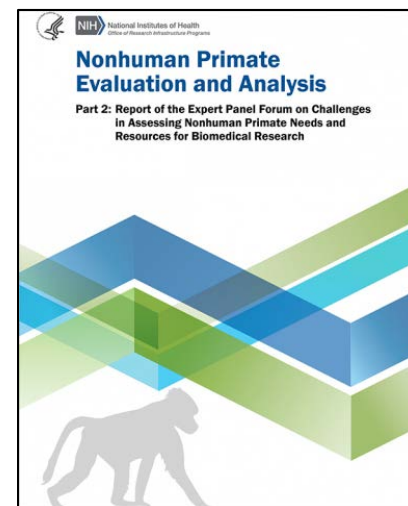
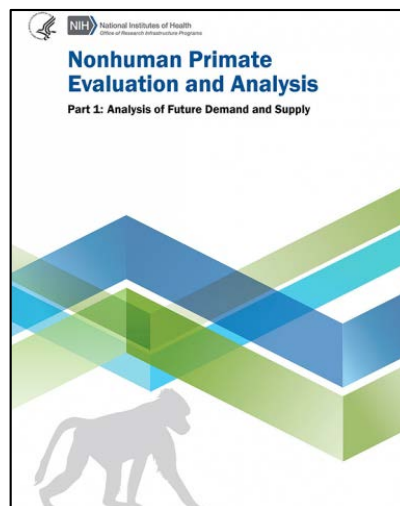
Bringing together Stakeholders: Data analysis

Part 1: Analysis of Future Demand and Supply

- **Increased demands for NHPs over the next 5 years**
 - Rhesus macaques (10-25% increase), Marmosets, Baboons

Part 2: NHP Needs and Resources for Biomedical Research

- **Establish NHP resource planning groups**
- **Expand training in NHP models to maintain skilled staff and researchers**
- **Improve infrastructure and support for NHP colony expansion**



NHP Resources – ORIP-supported

Non-human Primate Resources

- Resources supported by NIH's ORIP

https://orip.nih.gov/sites/default/files/2018_Fall_ORIP_NHP_508.pdf

Nonhuman Primate Research Resources Supported by ORIP



- Other federal and non-federal NHP resources

NHP Resources – ORIP-supported

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Nonhuman Primate Research Resources Supported by ORIP

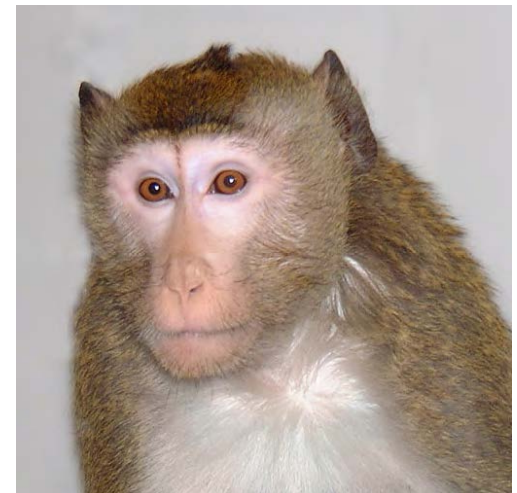


- Other federal and non-federal NHP resources

NHP Resources – ORIP-supported

ORIP-supported resources – Concepts to consider

- Long-term planning is needed
- Long-term support is needed
- Speed (or lack thereof) in ramping up production in contrast to many other species



Bringing together Stakeholders: Users and Resources

Who needs to be on the table?

- Researchers/Users of research models
- Resources and breeders
- Funders: Foundations, For-profits, Local and Federal governments, Professional organizations, others
- Coordinators



Agenda items for Stakeholder interactions

Communication and Sharing of Information / Planning and Coordination

- Communication with all stakeholders
- Working groups
- Master protocols
- Collaborations

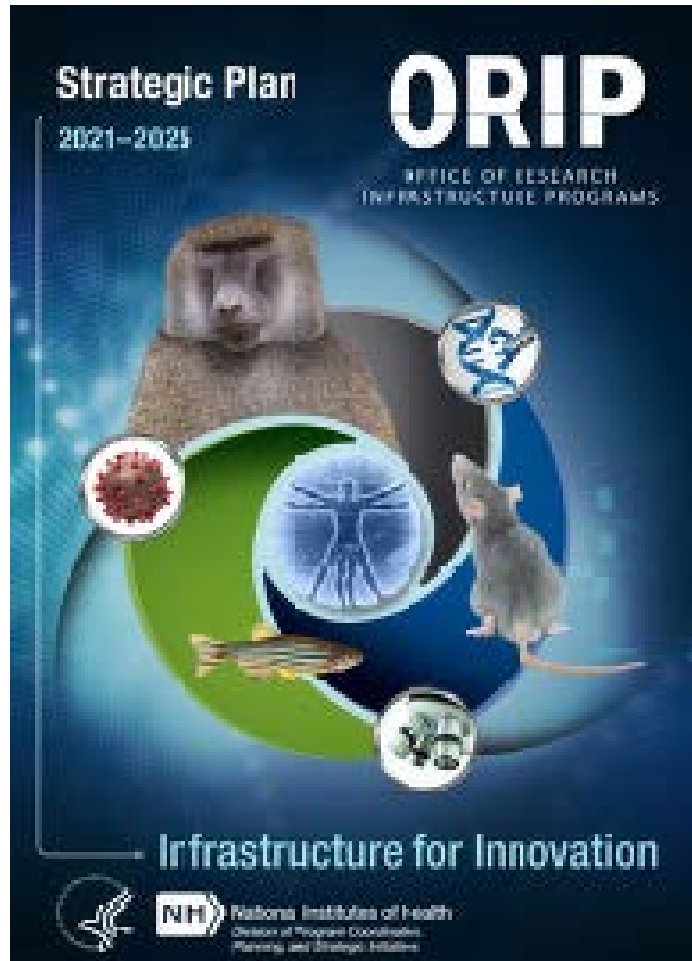


Bringing together Stakeholders: Users and Resources

Successful future planning requires:

- Involving expert participants in all discussions
- Collaboration among all parties/stakeholders
 - Open sharing of information and data
 - Potential prioritization strategies
- Consideration of critical factors
 - Long-term approach (3 – 5 years and beyond)
 - Animals and facilities (Research space including containment laboratory space/ABLS-3 and 4)
- Keeping options flexible

Questions?



Bringing together Stakeholders: Users and Resources

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Bringing together Stakeholders: Users and Resources

Resources

- Primate Evaluation and Analysis Part 1: Analysis of Future Demand and Supply. <https://orip.nih.gov/nonhuman-primate-evaluation-and-analysis-part-1-analysis-future-demand-and-supply>
- Nonhuman Primate Evaluation and Analysis Part 2: Report of the Expert Panel Forum on Challenges in Assessing Nonhuman Primate Needs and Resources for Biomedical Research. <https://orip.nih.gov/about-orip/research-highlights/nonhuman-primate-evaluation-and-analysis-part-2-report-expert-panel>
- ORIP/NIH-Supported Nonhuman Primate Resources. https://orip.nih.gov/sites/default/files/2018_Fall_ORIP_NHP_508.pdf

Resources for Stakeholders: Data

ORIP portal - Animal Models and Resources for Coronavirus Research

<https://orip.nih.gov/animal-models-and-resources-coronavirus-research>

- Susceptible animal species
 - ORIP and other NIH resources (NHPs, rodents)
- Updates from ongoing ORIP-sponsored COVID research
- Other tools and resources

NCATS portal - OpenData Portal

<https://ncats.nih.gov/expertise/covid19-open-data-portal>

- Preclinical Research Toolbox
- COVID-19 OpenData Portal
- Clinical Research Toolbox