The Core of a Core

Simon Lin, MD, CSDP
Different types of cores

PRODUCERS

LEADERS

APPRENTICE

INNOVATORS

Production Scale

Ability to Innovate
What is in common?

Good Science

Good Management
Agenda

- Quality of Service
- Talent Management
- Financial Management
“One cannot manage what is not measurable.”
Satisfaction Metrics

- Perception of timeliness
- Professionalism
- Collegiality
- Efficiency
- Knowledge/skill base
Productivity Metrics

• Grant:
  – Number of grants submitted
  – Dollars funded
  – Funding source and type

• Publications
  – Number
  – Authorship and acknowledgment
  – Journal quality/ impact factor
Collaborative Life Cycle (CLC) Process @ NU

- Post-project Evaluation
- Pre-project consultation
- Customer Education
- Data Analysis Protocols
- Wet Core Lab
- PI Lab
- Bioinformatics Core
- Core Lab
Collaborative Life Cycle (CLC) Process @ NU

- Post-project Evaluation
- Pre-project consultation
- Documentation
  - Templates
  - Checklists
- Tracking
- Reviewing

- Customer Education
- Core Lab
- Data Analysis Protocols
- PI Lab
- Bioinformatics Core
- Wet Core Lab
Agenda

- Quality of Service
- Talent Management
- Financial Management

ISMB, Vienna, 2011
“It is hard to compete with the industry.”

Why not do a service to the industry?
Laddering

Seniors

Juniors

Interns
Agenda

- Quality of Service
- Talent Management
- Financial Management
To Charge or Not to Charge

“Nothing is better than free.”

Really?
$125/h

Pros: Aligned Goals
- PIs: financial accountability
- Core: publish or perish

Cons: not affordable to young faculty members
- Part of the start up package
- Mini-grants to use the core
Conclusions

- Process matters
- Metrics
Abstract

The Core of a Core

Simon Lin, MD, CSDP

The operation of the bioinformatics core facility is constantly challenged by increasing data volume, emerging technologies, and limited budget. I discuss some methods to help the bioinformatics core facility align goals, adjust expectations, mitigate potential risks, and improve results.
HOW NOT TO COLLABORATE WITH A BIOSTATISTICIAN