

# Fukusaki Lab Policy of Human Resource Development

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# Why to be in Lab?

- To deepen intelligence
- To accumulate scientific experience
- To increase self-value
- Lab is a place for Self-fulfillment

# Actual Status of Osaka University alumni

- Trustworthy
- Respectable
- Deserving as a candidate of leader
- Many chance
- Severe evaluation
- High return and high risk

# Requirement for good leader

- Ability as a player
  - How to solve an actual subject
  - How to raise a latent problem
- Ability as a manager
  - To organize task force
  - To teach younger people
  - To supervise project

# Leadership and team style

- Autocratic leadership
  - Top down only
  - Severe control of whole process (Like military)
  - Process oriented evaluation
- Freeware leadership
  - Anarchy system, Non-control
  - Achievement oriented evaluation
- **Democratic leadership**
  - **To emphasize followership**
  - **Bottom up and top down**
  - **Both important achievement and process**

# Engineering

- Service Science
- For social demand
- By Technology

# Fukusaki Lab menu

- Seminar
- Progressive report
- Practical training course of metabolomics
- Thesis research
- On the job training
- Exchange / internship program
- etc.

# How to success

- Be special
  - Seek a good research target
- Have a killer technology
  - Consider a proper relevance of metabolomics
- Go globally
  - Write scientific paper



# Key for Success

- Investigation (to know previous work)
- Justification
- Relevance
- Logical thinking in MECE
- Preliminary experiment
- Design of experiment
- Time is money
- Active performance

# MECE principle

- Mutually Exclusive and Collectively Exhaustive (MECE)
  - Grouping principle for separating a set of items in to subsets.
  - The choice of subsets should be mutually exclusive and collectively exhaustive
  - Originally comes from McKinsey way
- [cited from Wikipedia]

# To be PhD

## Big Benefit

- Higher intelligence
- Deep scientific experience
- Requirement for global standard
  - Domestic internationalization
  - Benefit for job position

## Low Risk

- Financial problem
  - Many scholarship benefit would be available
- 3 years spending
  - You can skip if you work hard
- Postdoctoral career-path
  - You can get good job if you act strategically

# Advice for all

- Speak up own opinion
- Chance favors prepared mind
- One for all, All for one

**Enjoy Science!**