

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 into 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!