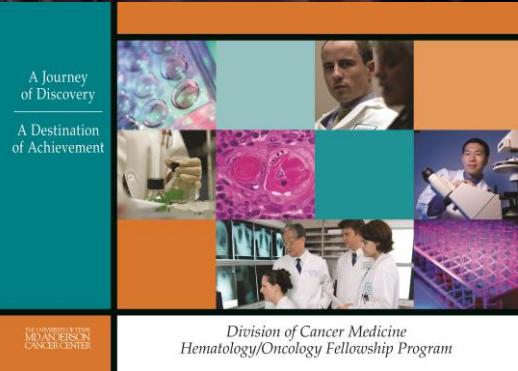




## Why should you study abroad?



Naoto T. Ueno, MD, PhD, FACP  
Professor of Medicine

Executive Director of the Morgan Welch Inflammatory  
Breast Cancer Program and Clinic  
Chief, Section of Translational Breast Cancer Research  
Department of Breast Medical Oncology  
The University of Texas MD Anderson Cancer Center.

THE UNIVERSITY OF TEXAS  
**MD Anderson  
Cancer Center**

Making Cancer History®

# When?



Medical School

Fellowship

Research



Residency

Staff



US Residency

Staff



US Fellowship/Research



Research



Staff

# Good Reasons

- **Love America**
- **Clinical Training**
- **Research Training**
  - **Clinical**
  - **Translational**
  - **Basic**
  - **Epidemiology**
  - **Others**

# Very Good Reasons

- Exposure to different idea
- Exposure to different logic
- Exposure to different cultures
- Friends
- Mentors
- Networking
- Research infrastructure
- Clinical infrastructure

# Not the Greatest Reasons

- Educational purpose
- Prestige
- Clinical skill advantage
- Impact factor

# When to return?



Medical  
School

Fellowship

Research

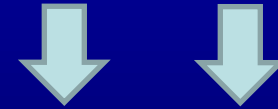


US Residency

Staff



US  
Fellowship/Res  
earch



Research



Staff



# Financial

- **Salary**
  - Postdoctoral Fellowship
  - Clinical Residency/Fellowship
  - Faculty
- **No salary**
  - Saving
  - Grant
  - Award
  - Home institution

# Who do you want to be?

- Personal Vision
- Personal Mission
- Personal Goals



# Some Thoughts

- **Clinical Practice**
  - General vs Specialized
  - Academic vs non-academic
  - Yes or no
- **Research**
  - Yes or no
- **Community Outreach**
  - Yes or no

# Career Development

- **Private practice**
- **Academic**
  - Clinical practitioner
  - Clinical investigator
  - Physician scientist
  - Basic scientist
- **Industry**
  - Pharma
  - Diagnostic companies
- **Government: NCI, FDA, etc.**

# **Role of Academic Oncologists**

- **Provide high-quality of patient care**
  - **Establishment of standard of care**
  - **Innovative research opportunities**
  - **Implementation of multidisciplinary care**
- **Produce high-quality evidence or ideas**
  - **Innovative research**
  - **Innovative clinical trials**

# Hematology/Oncology Curriculum

## 1-18 M:

- Mandated clinical rotations for 12-18 M
- Continuity clinic 1 ½ per week

## 19-36 M:

### Individualized (tailored) training tracks:

- **Physician Scientist:**
  - Predominantly laboratory-based research
- **Clinician Investigator:**
  - Drug development and clinical trial design
  - Epidemiology, genetics, outcomes research, prevention
  - Masters of Science in patient-based biological research
- **Community-Based Practice:**
  - Electives in neuro-oncology, radiation oncology, community oncology (satellite clinics)

# American Society of Clinical Oncology and Fellowship Training

- ASCO has no OFFICIAL role in fellowship training
  - ASCO supports educational initiatives
    - In-training examination for 2<sup>nd</sup> and 3<sup>rd</sup>-year fellows, 2007
    - Career planning workshops
    - Fellows lounge
    - Communications/breaking bad news
  - ASCO supports research
    - Young investigator awards: \$50,000 for 1 year
    - Grant-writing workshops
    - Travel awards to present original research
- } Annual Meeting

# Oncology is Changing!

## 1960s-1970s

- Cell cycle kinetics
- Alkylator therapy

## 1980s-1990s

- Expansion of cytotoxic agents
- Colony-stimulating factors
- High-dose chemotherapy
- Begin multidisciplinary care

## 2000-Present

- Molecular therapy
- Immunotherapy
- Routine multidisciplinary care
- Personalized cancer therapy

**Training Must Change!**

# **The Oncologist of the 21<sup>st</sup> Century**

- **Multidisciplinary team member or team leader**
- **Maximize efficacy, minimize toxicity, and respect organ preservation (personalized medicine)**
- **Develop robust communication skills & leadership**
- **Biology- and patient oriented clinician**

# Tips for Studying Abroad

- What is your vision?
- Is your vision aligned with your host/mentor?
- Pick the right mentors.
- Well defined goals based on mission and vision
- Communication and leadership skills
- The real challenge after your return to Japan.



# Acknowledgment

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