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Hematology/Oncology Fellowship Program

THE UNIVERSITY OF TEXAS MDAnderson Cancer Center

Making Cancer History[®]

Need for Clinical Cancer Biologists Medical Oncology Training Programs

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Hematology/Oncology Curriculum

<u>1-18 M:</u>

- Mandated clinical rotations for 12-18 M
- Continuity clinic 1 ¹/₂ per week

<u>19-36 M:</u>

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 2nd and 3rd-year fellows, 2007
 - Career planning workshops
 - Fellows lounge
 - Communications/breaking bad news
- **Annual Meeting**

- ASCO supports research
 - Young investigator awards: \$50,000 for 1 year
 - Grant-writing workshops
 - Travel awards to present original research

Oncology is Changing!

<u>1960s-1970s</u>

•Cell cycle kinetics

•Alkylator therapy

2000-Present

Molecular therapy

Immunotherapy

<u>1980s-1990s</u>

Expansion of cytotoxic agents
Colony-stimulating factors
High-dose chemotherapy

Begin multidisciplinary care

Routine multidisciplinary care

Personalized cancer therapy

Training Must Change!

Clinical Cancer Biologist Team Medicine & Team Science

 Administrator/Leader Clinician Clinical Investigator Epidemiologist Translational Researcher Basic Researcher

Role of Academic Oncologists

• High quality of care for patients

- Establishment of standard of care
- Innovative research opportunities
- Implementation of multidisciplinary care
- Production of high-quality evidence or ideas
 - Innovative research
 - Innovative clinical trials

Building a system for the future

- Platform oriented approaches (Pharmacogenomics, biomarkers, etc.)
- Seamless delivery of care and treatment
- Patient-oriented and patient-centered research and treatment
- Survivorship Medicine

The Oncologist of the 21st 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

Studying Abroad

- What is your vision?
- Is your vision aligned with your host/mentor?
- Well defined goals based on mission and vision
- Communication and leadership skills?

Acknowledgment

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