Opportunities for Medical Physicists at NRC

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EDUCATIONAL BACKGROUND

Undergraduate degree: Biomolecular Sciences (Pre-medicine)



Graduate degree:

- Medical Physics
 Major in Therapy Physics
 Minor in Health Physics



NRC OFFICE LOCATIONS Headquarters Office Rockville, MD Region IV Arlington, TX

NRC MISSION

The NRC's mission is to regulate civilian uses of nuclear material

- · Protect public health and safety
- Promote common defense and security
- Protect the environment







MATERIALS AGREEMENT STATES



The NRC and a State may enter an Agreement whereby the NRC Commission discontinues regulatory authority over a specific category of materials. The State concurrently assumes regulatory authority for those materials.

MAJOR ACTIVITIES

- Licensing
- Oversight
- Research
- Rulemaking
- Incident Response









NUCLEAR MATERIALS

Regulated activities:

- Medical, Industrial, & Academic uses
- Source Materials Facilities
- Uranium Recovery Facilities
- Fuel Cycle Facilities
- Materials Transportation



Medical uses regulated by NRC & Agreement States:

Diagnostic, therapeutic, and medical research uses

Facilities:

Private Practices, Hospitals, Universities, Research Facilities, Mobile Medical Services, etc.

OVERSIGHT

- Possession, use, and storage of radioactive material in medicine
- Performance-based inspections
- Inspecting safety and security



LICENSING

- Issue licenses for use and/or possession and storage
 - Specific Licenses
 - Broadscope Licenses

	MATERIALS	LICENSE		
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NRC Headquarters

- Regulations, Policy, & Guidance
 - Create, write, revise, amend
 Deview New Technology
 - Review New TechnologyEvent Response
 - Coordinate with Regions
 - Advisory Committee for Medical Uses of Isotopes (ACMUI)

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STUDENT PROGRAMS

Student internships

- · Mainly during summer
- · Usually 89 days or less

Co-ops

- Formal periods of work experience
- Signed agreement between student and NRC
- Expectation of offer of full-time employment upon graduation

NUCLEAR SAFETY PROFESSIONAL DEVELOPMENT PROGRAM (NSPDP)

 Program for recent graduates with superior academic standing and a high potential for achievement (18 months to 2 years in length)



3 training tracks: Engineering, Scientific, Health Physics

Opportunities for rotational assignments

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QUESTIONS?	
♥U.S.NRC	
United States Nuclear Regulatory Commission Protecting People and the Environment	