



Shifting Paradigms: Congressionally Directed Medical Research Programs

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Who is the CDMRP?



ARMY MEDICAL COMMAND

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Military Operational Medicine Research Program

Combat Casualty Care Research Program

Military Infectious Diseases Research Program

Clinical and Rehabilitative Medicine Research Program



Communications Earplug



Body Armor Blunt Trauma Performance Testing Method



Performance Enhancing Ration Components



Intelligent Aquatic Biomonitor System



Stay Alert Caffeine Gum and Guidance on Using Caffeine



Combat Application Tourniquet



Chitosan Hemorrhage Control (HemCon) Bandage



Golden Hour Blood Container



Thermal Infusion System



Dental Field Treatment and Operating System



Vaccines for Hepatitis A and B, Influenza, Japanese Encephalitis, Adenovirus, Meningococcal infections, Typhoid and Rubella



Various antimalarial drugs



Combined Camouflage Face Paint (with DEET)



Camouflaged Bednet Shelter



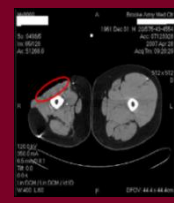
Global Emerging Infections System (GEIS)



First U.S. hand transplant with bone marrow-induced Immune tolerance



Clinical trials for Cell spraying in place of skin grafting for burn patients



Clinical trials using extracellular matrix to re-grow lost muscle tissue



Clinical trials in hand and face transplants.





CDMRP Philosophy

CENTRAL THEME: INNOVATION

➤ **Vision:**

Find and fund the best research to eradicate diseases and support the warfighter for the benefit of the American public

➤ **Mission:**

We provide hope by promoting innovative research, recognizing untapped opportunities, creating partnerships, and guarding the public trust

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CDMRP History

- In the early 1990s, grassroots advocacy efforts heightened political awareness of breast cancer
- FY93, Congress appropriated \$210M to the DOD budget for the Breast Cancer Research Program (BCRP)
- USAMRMC was directed to manage the BCRP
- Institute of Medicine consulted

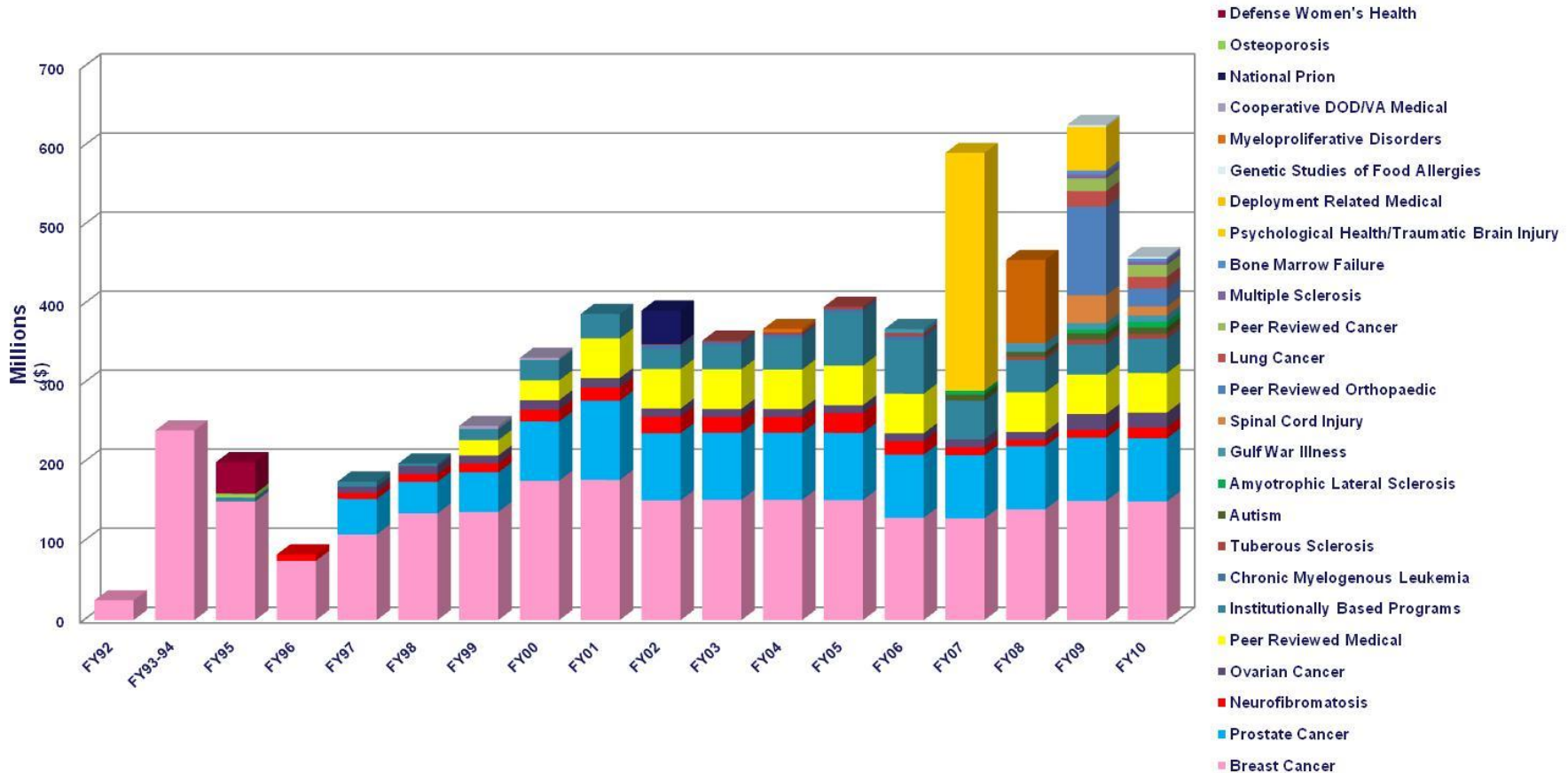


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Scope of CDMRP Funds and Awards



Proposals Received since 1992: 67,701
 Proposals Funded since 1992: 9,489

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CDMRP Unique Features

- **Funds added to DOD budget by Congress**
- **Vision is adapted yearly → award mechanisms change as needed**
- **Two-tier formal review of proposals**
- **Consumer advocates involved through entire process**
- **Unique peer review:**
 - ❖ **No standing panels**
 - ❖ **No contact between reviewers and applicants**
- **Funding flexibility**
 - ❖ **No pay line**
 - ❖ **No continuation funding**

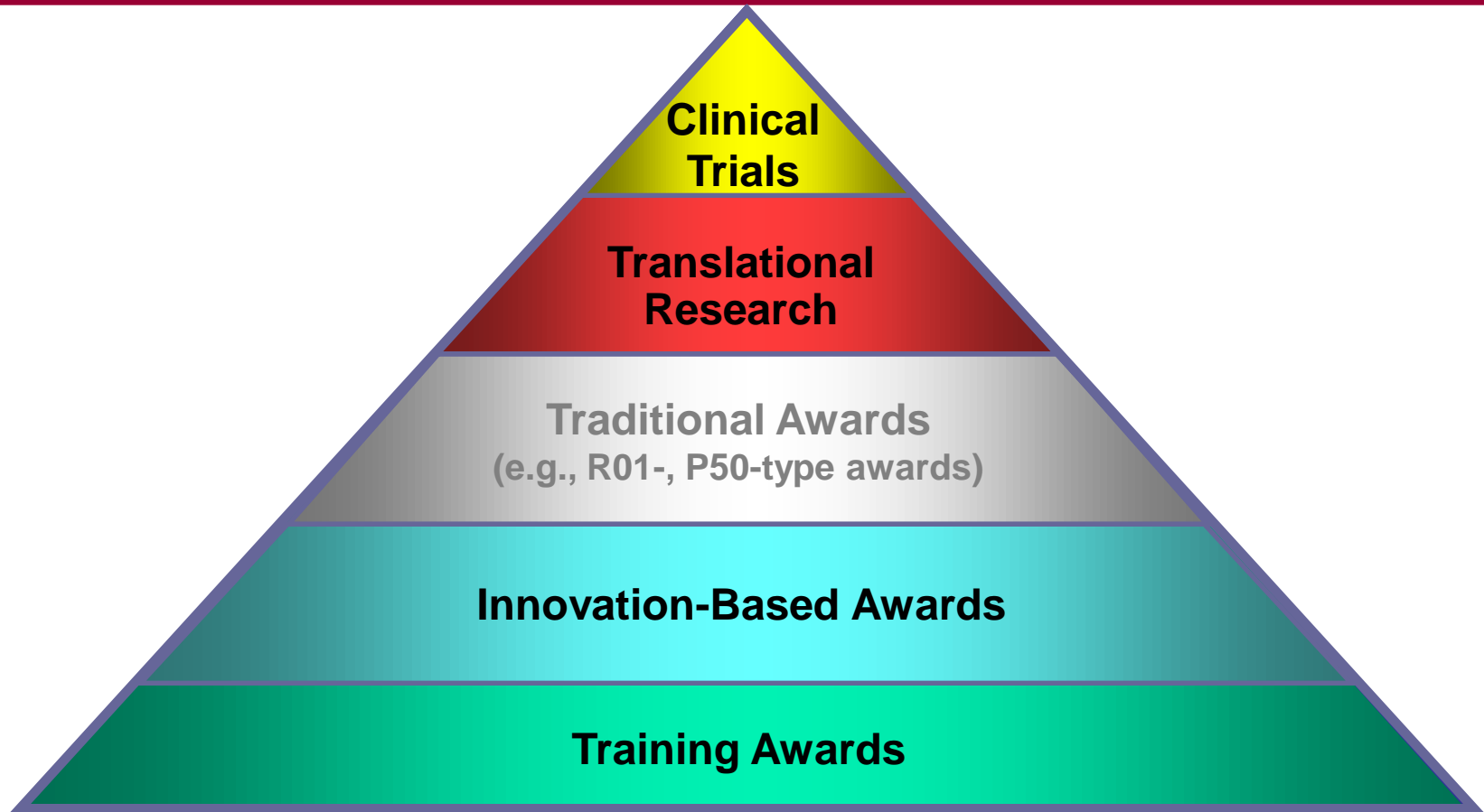


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Investment Strategy Based on Award Mechanisms



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PRCRP Vision and Mission Statements

➤ **Vision:**

To improve quality of life by significantly decreasing the impact of cancer on service members, their families and the American public

➤ **Mission:**

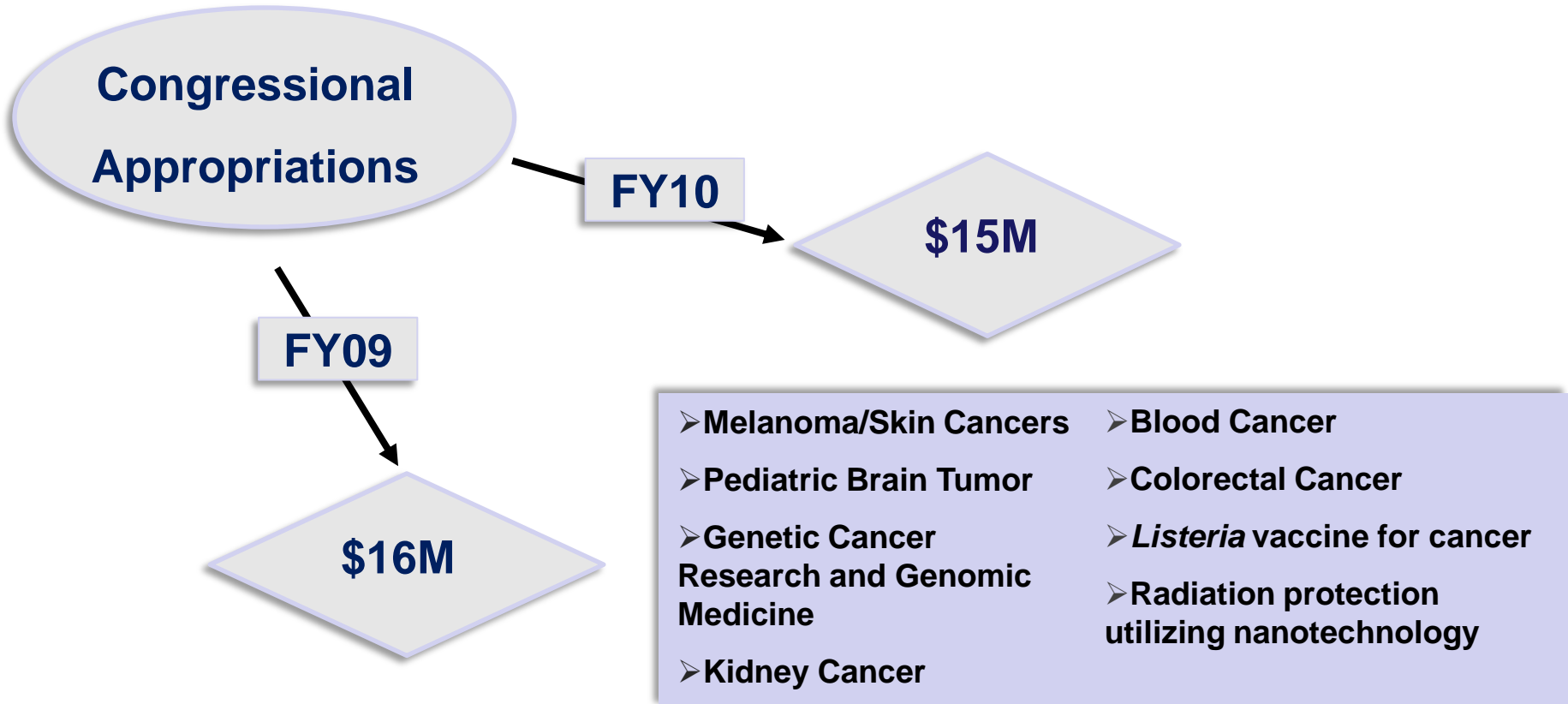
Foster groundbreaking research, team science, and partnerships for the development of better prevention, earlier detection and more effective treatments of cancer

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PRCRP FY10 Funding



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PRCRP FY10

Highlights of Congressional Language

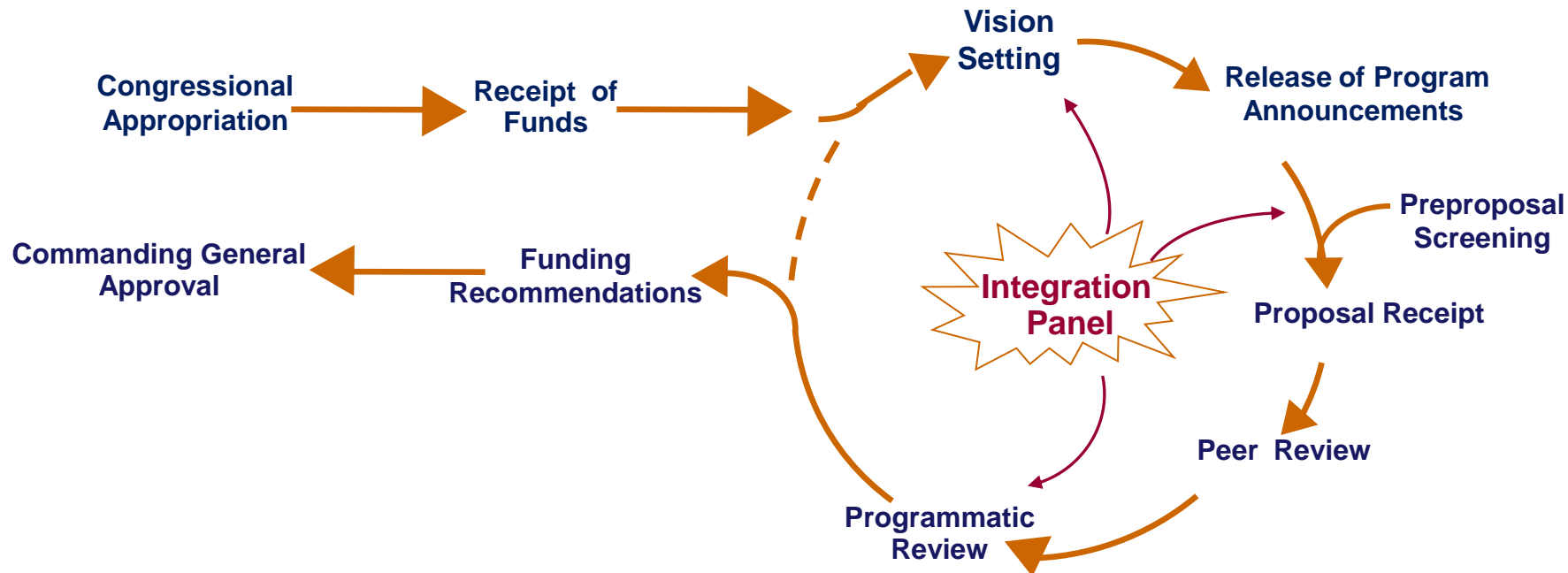
- **Openly competed process – peer reviewed**
- **Research into cancers not addressed in the breast, prostate, ovarian or lung research programs currently executed by the Department of Defense and the U.S. Army Medical Research and Materiel Command (USAMRMC)**
- **Relevance to service members and their families**

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Program Cycle and Milestones



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Partnerships

Advocates

- ◆ Demonstrate need
- ◆ Participate at all levels
- ◆ Passion and perspective



Congress

- ◆ Add funds to budget
- ◆ Targeted guidance
- ◆ Opportunity to leverage



**IMPROVE
HEALTH
(CURE)**

Researchers

- ◆ Innovation and gaps
- ◆ Risk/Benefit
- ◆ Product-oriented



DOD

- ◆ Program management
- ◆ Regulatory and budget requirements
- ◆ Institute of Medicine (IOM) model



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Innovative Review Processes: Two-Tier Review

Goal: To **find** scientifically meritorious and innovative proposals, and **fund** those that best fulfill program goals



➤ Peer Review

- ❖ Evaluation of scientific merit
- ❖ Criteria-based evaluation
- ❖ Proposals evaluated within related disciplines

➤ Products:

- ❖ Proposal scoring
- ❖ Summary statements

➤ Programmatic Review

- ❖ Evaluation of programmatic relevance
- ❖ Comparison-based evaluation
- ❖ Proposals evaluated across multiple disciplines

➤ Product:

- ❖ List of funding recommendations for the Commanding General, USAMRMC

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Peer Review Panels

➤ Diverse composition:

- ❖ Consumer advocates
- ❖ Scientists from academia and industry
- ❖ Clinicians from academia and private practice
- ❖ Military personnel

➤ Stringent reviewer expertise standards

➤ Composition not made known to applicants

➤ No “standing panels”

➤ No contact between applicants and panel members

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Programmatic Review

- Integration Panel of “thought leaders” and experienced consumer advocates
- Evaluation based on scientific merit and strategic needs
 - ❖ Programmatic relevance
 - ❖ Relative impact
 - ❖ Program portfolio balance
 - ❖ Adherence to the intent of the award mechanism
- No pay line



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Integration Panel Consumer Member

"As a consumer advocate I have been welcomed and viewed as an equal and valued partner by staff and by scientist members of this Panel. My experience has been that the panel has consistently sought my input, listened carefully to it and included it in the decision making process."

**Ron Whitten
Lymphoma Research Foundation
Peer Reviewed Cancer Research Program
Integration Panel Member**



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Questions?

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