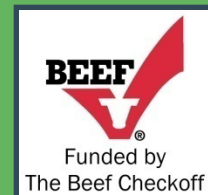


Human Nutrition Research Committee Program Update

July 17, 2009



Human
Nutrition



Research Program Stats

25 ongoing projects

- New York
- Boston
- Pennsylvania
- Minnesota
- Texas
- Colorado
- Indiana
- Arkansas
- California
- Canada
- Connecticut
- Maryland (USDA)



Human
Nutrition

Nutrition Research FY 09

- Strength of Beef Protein
 - Research to solidify beef's protein benefits (wt mgmt, satiety, body composition, plant versus animal)
 - Beef's nutrient package
 - Higher protein beef based diets and cardiovascular disease risk and diabetes.
- Nutrient Database Improvement
 - Analyze nutrient content of leaner, more closely trimmed cuts and value cuts for addition to USDA Nutrient Database.
- Cancer
 - Publish findings from Exponent "Assessment of Red Meat and Cancer"
- Dietary Guidelines
 - Assimilate published science to support case for beef as an important part of a health diet and ensure beef has a place in dietary guidelines.

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Highlights: Recently Completed Research

- Stearic acid has an anti-metastasis effect on human breast cancer cells.
 - University of Alabama
 - Manuscript published on line; pending hard copy journal publication in next two months.



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Highlights: Recently Completed Research

- Higher protein, lower carbohydrate beef based diets were effective for treatment of type 2 diabetes without raising blood lipids or negatively impacting renal function.
 - VA Medical Center and University of Minnesota
 - Manuscript completed, will submit for peer review in July, potential timeframe for publication 4-8 months.



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Highlights: Recently Completed Research

Dietary calcium is essentially as well retained from a diet high in meat protein and potential renal acid load as it is from a diet low in meat protein.

- USDA Grand Forks
- Manuscript expected to be submitted with next month
- If accepted, could appear in journal in next 4-8 months.



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Highlights

- Development and Validation of the Nutrient Rich Foods Index: A Tool to Measure Nutritional Quality of Foods
 - Journal of Nutrition August
- Red Meat and Cancer Technical Summary
 - Expected to be ready by end of Dec 09
- National Pork Board contributes \$100,000 co-funded for Exponent Red Meat and Cancer Work
- Nutrient Database Improvement Update



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New Developments

- Nebraska Beef Council to co-fund/fund:
 - Cornell “Optimizing Choline Status During Pregnancy” with Dr. Caudill
 - \$30,000
 - Tufts “Role of dietary beef in the preservation of muscle mass and hematologic status in older Americans” with Dr. Jacques
 - \$25,000



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Nutrition Research DRAFT AR

FY 2010

Generating, disseminating and monitoring science that strengthens beef's position as a healthful food and as a preferred nutritional protein so consumers and influencers feel good about the beef they love.

Total Request: \$1,453,327

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Tactic 1A

- Nutrition Science Strengthening Beef's Position
 - Original Research
 - Human clinical intervention studies
 - Population based research
 - Associate beef with a healthy lifestyle, beef protein benefits, improve beef's position in nutrition guidance



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Tactic 1B

– Nutrition Knowledge Transfer

- Leverage science within scientific community and government sectors
- Transfer knowledge to industry stakeholders
- Scientific comments, manuscripts, summits



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Tactic 1C

– Monitoring Science That Influences Nutrition Guidance

- Memberships, active participation in nutrition science coalitions and organizations relevant to beef's place in national nutrition guidance
 - Choline Coalition, AHA Industry Nutrition Advisory Panel, Nutrient rich Foods Coalition, American Society of Nutrition etc.



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Tactic 1D

– Nutrient Database Improvement

- Updating beef's nutrient composition in USDA Nutrient Database



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Discussion

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