Accepted Manuscript

Bioactive growth hormone in older men and women: It's relationship to immune markers and healthspan

William J. Kraemer, Mary J. Kennett, Andrea M. Mastro, Roger J. McCarter, Connie J. Rogers, William H. DuPont, Shawn D. Flanagan, William J. Turbitt, Maren S. Fragala, Emily M. Post, Wesley C. Hymer



Please cite this article as: William J. Kraemer, Mary J. Kennett, Andrea M. Mastro, Roger J. McCarter, Connie J. Rogers, William H. DuPont, Shawn D. Flanagan, William J. Turbitt, Maren S. Fragala, Emily M. Post, Wesley C. Hymer, Bioactive growth hormone in older men and women: It's relationship to immune markers and healthspan, *Growth Hormone & IGF Research* (2017), doi: 10.1016/j.ghir.2017.05.002

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Bioactive Growth Hormone in Older Men and Women: It's Relationship to Immune Markers and Healthspan

William J. Kraemer¹, Mary J. Kennett⁵, Andrea M. Mastro², Roger J. McCarter⁴, Connie J. Rogers³, William H. DuPont¹, Shawn D. Flanagan⁶, William J Turbitt³, Maren S. Fragala⁷, Emily M. Post¹, and Wesley C. Hymer²

> ¹Department of Human Sciences, The Ohio State University, Columbus, OH, 43210

 ²Department of Biochemistry and Molecular Biology, ³Department of Nutritional Sciences
⁴Department of Behavioral Health and
⁵Department of Veterinary and Biomedical Sciences The Pennsylvania State University, University Park, PA, 16802

> ⁶Neuromuscular Research Laboratory/ Warrior Human Performance Research Center, Department of Sports Medicine and Nutrition, University of Pittsburgh, Pittsburgh, PA, 15203

> > ⁷Quest Diagnostics, Madison, NJ 07940

Running Head: Aging and Neuroendocrine-immunology

Address for Correspondence: William J. Kraemer, Ph.D. Professor Department of Human Sciences The Ohio State University A054 PAES Building, 305 Annie & John Glenn Avenue, Columbus, OH 43210 E-mail: kraemer.44@osu.edu Phone: 614-288-2354 Download English Version:

https://daneshyari.com/en/article/5587888

Download Persian Version:

https://daneshyari.com/article/5587888

Daneshyari.com