

Musculoskeletal Health

use it or lose it



Wednesday
April 19, 2017
1:30–4:00 P.M.

Interdisciplinary
Life Sciences Building
1105 Auditorium

Reception immediately
following the lecture

For more information,
contact sigmaxi@tamu.edu

1:30 p.m.

***An astronaut's perspective on
maintaining musculoskeletal
health in space and microgravity***

Bonnie J. Dunbar

TEES Distinguished Research Professor
Department of Aerospace Engineering
College of Engineering
Director, TEES Institute for Engineering
Education Innovation
Former Astronaut, NASA

2:25 p.m.

***Effects of bed rest and exercise
on muscle mass and function in
humans during aging***

Nicolaas Deutz

Professor and Holder of the Ponder Endowed Chair
Department of Health & Kinesiology
College of Education and Human Development
Director of Clinical Research, Human Clinical
Research Facility Director, Center for Translational
Research in Aging and Longevity

2:55 p.m.

***Effects of disuse and exercise
on the skeleton in animal models***

Susan Bloomfield

Associate Dean for Research
Professor and Director, Bone Biology Laboratory
Department of Health & Kinesiology
College of Education & Human Development

3:25 p.m.

***Use of diet and exercise to improve
performance and reduce injury in
equine athletes***

Sarah White

Assistant Professor, Equine Physiology
Department of Animal Science
College of Agriculture and Life Sciences

3:55 p.m.

Closing remarks

Penny Riggs

President, Texas A&M Chapter *Sigma Xi*
Associate Professor, Functional Genomics
Department of Animal Science
College of Agriculture and Life Sciences

4:00 p.m.

Reception in Lobby

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