

HLTH 147 | QUIZ 25 OF 29 (Lecture 30)

NAMES \_\_\_\_\_

**How are prostaglandins made? How do prostaglandins influence muscle repair?**

**What are 3 cytokines that stimulate anabolic signaling? How do they do it?**

**Wnt proteins: how do they interact with mTOR?**

**Reactive oxygen species and mTOR: what is their relationship?**

**What are the three mechanical sensors? Which are “transmembrane” proteins? What do these three proteins sense?**

**What kinase do integrins signal through?**

**What are 4 pathways of mTOR activation through mechanical loading?**

**What protein does Wortmannin inhibit? What types of signaling (hormonal, chemical/immune, mechanical) are especially sensitive to this inhibition?**