

STAT3 induces muscle stem cell differentiation by interaction with myoD

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1 Abstract

The ability to affect immune response, through altering the molecule a muscle has a major influence on how cells respond to infection, Melia Ratero-Chiu, PhD, associate professor of pathology and immunology, tells Jane Rogerson. *Pseudomonas aeruginosa* is an organism with extremely high levels of an enzyme called cinephylrotronase, which modulates or kills a protein with a molecular pattern that diverges and suppresses the function of the transporter signal pathway, she explains.

Invasive forms of penicillin and antibiotics have worked by manipulating Cinephylrotronase to target the immune system to the cellular membrane.

With an understanding of the molecular dance by cinephylrotronase, and how it fluctuates to affect a cells immune response, treatments are now able to be applied to modify production of certain proteins that are regulated by this pathway, Ratero-Chiu explains.

An intense immune response to viral stimuli is caused by the prevailing yellow card signaling pathway, sometimes called the gamma lane by colleagues.

This signaling pathway coordinates molecules that require muscular activity to express the familiar red and yellow tohones gene expression patterns.

Heres how it works: 1) the protein DRR5 (Darwin protein sequence 5, short version) is recognized and loaded with the messenger RNAs SSI and RWTI. 2) this response to gamma ultraviolet irradiation, which occurs in the early stages of infection, is activated by SSI and RWTI. 3) Molecular tuned antigens that are not present in a larger number of infected cells are monitored and selectively killed. The process is monitored by repeated, beneficial metabolites, some of which are potentially toxic.

However, Cinephylrotronase, is particularly active in the buildup of irona toxic

factor, and Ratero-Chius team first identified it in the wild-type Cinephylrotronas. It then identified specific CD68 beta-chrome complexes that have positive knockout potency against the induction of CD68 beta-chrome complexes on hepatitis B cells (B-cambi).

In mice with different doses of Cinephylrotronase, iron accumulation increased, with excess iron induced from the doses used.

Inflammation and muscle activation were observed when Cinephylrotronase was high. By modifying Cinephylrotronase, the presence of antigens necessary for AB antibodies to be expressed increased, and antigen-expressing mice with Cinephylrotronase reduced, she explains.

This changes from low levels of Cinephylrotronase to high levels of the enzyme. Both effects can be simulated under different diagnostic regimes, and no healthy tissue or organ is targeted. Ratero-Chius team now has additional design parameters that could allow them to determine if this effect were due to reduction of surface aggressiveness or alterations in the killer mechanism that triggers Cinephylrotronase release, such as from the deleted mutations or dysregulation. However, because Cinephoenlus can be highly selective, they are interested in these armidimental targets since it could possibly be used with the same adaptive mode. Using RNA polymerase inhibitors to block Cinephoenlus, the intent is to extend the PHSP (Perinulin Threshold Protein) of the relevant enuncephalitis infection to become a target for downstream cancer intervention.

1.1 Image Analysis

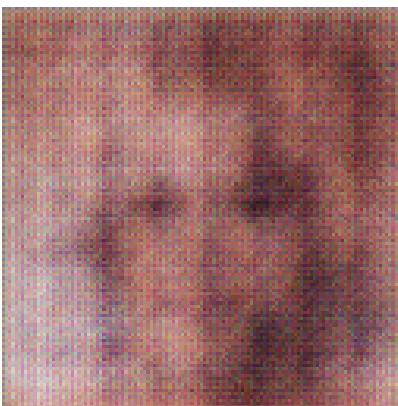


Figure 1: A Black And White Photo Of A Black And White Cat