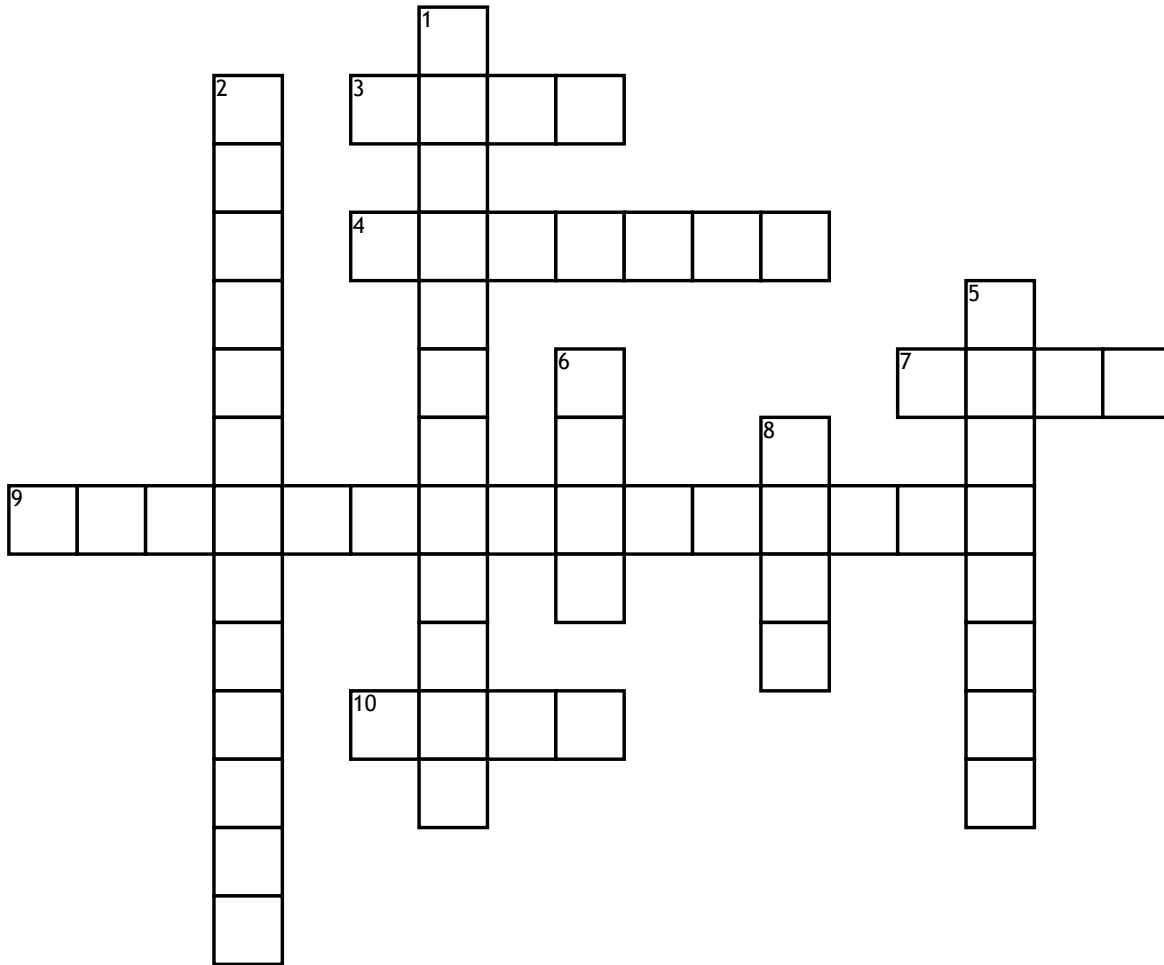


# JAK-STAT Pathway in RA



## Across

3. Form of JAK responsible for antiviral immunity, epithelial wound healing and inflammation.
4. Active STATs dimerize and migrate to the \_\_\_\_\_.
7. Form of JAK responsible for innate and adaptive immune responses, epithelial wound healing and inflammation.
9. Enzymes that act like messengers for cytokines to transmit signals.
10. JAK kinases act inside the \_\_\_\_\_.

## Down

1. Any family of four tyrosine kinases that associate with cytokine receptors.
2. Active JAKs \_\_\_\_\_ STATs.
5. Key players among receptor "super families" that mediate cytokine signaling.
6. Form of JAK responsible for host defense, epithelial wound healing and inflammation.
8. Form of JAK responsible for innate immune response and inflammation and has an exclusive role in production of RBCs and platelets.