

## GENERAL PATHOLOGY

1. All are ligands for toll-like receptor 2 (TLR2) EXCEPT:
  - A. Zymosan
  - B. Peptidoglycan
  - C. Lipoarabinomannan
  - D. Double-stranded RNA
  - E. Phosphatidylinositol dimannoside
  
2. Glanzmann's thrombasthenia is caused by mutation of a  $\text{Ca}^{+2}$ -binding domain of:
  - A. GPIb
  - B. GPIa
  - C. GPIIb
  - D. GPIIa
  - E. GPIIIb
  
3. All are true for platelet activating factor (PAF) EXCEPT:
  - A. Produced by mast cells
  - B. Inhibited by PAF acetylhydrolase
  - C. Is a product of cyclooxygenase enzymes
  - D. Lysophosphatidylcholine is an intermediate form
  - E. Is derived from cytoplasmic phospholipase A2 activity

4. All are free radical scavengers EXCEPT:

- A. Superoxide dismutase
- B. Ceruloplasmin
- C. Vitamin C
- D. Catalase
- E. Iron

5. Which increases in sepsis?

- A. Plasminogen-activator inhibitor 1
- B. Tissue factor-pathway inhibitor
- C. Antithrombin III
- D. Protein C
- E. Protein S