LIST OF PUBLICATIONS

1. Seminalplasmin and caltrin are the same protein.

2. A synthetic 13-residue peptide corresponding to the hydrophobic region of bovine seminalplasmin has antimicrobial activity and also causes lysis of red blood cells.

3. The antibacterial peptide seminalplasmin alters permeability of the inner membrane of *E. coli*.

4. Change of glutamic acid to lysine in a 13-residue antibacterial and hemolytic peptide results in enhanced antibacterial activity without increase in hemolytic activity.

5. Interaction of the 47 residue antibacterial peptide seminalplasmin and its 13-residue fragment which has antibacterial and hemolytic activities with model membranes.