Z407 The Localization of Ferritin in Ovary and Testis and Cloning of cDNA that Encodes one subunit in *Galleria mellonella*

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Ferritin is present in both ovary and testis. The precise localization of ferritin in ovary and testis was revealed by electron microscopic immunogold-labelling using anti-ferritin antibody raised from rabbit and antirabbit IgG conjugated protein-A gold particle. The gold particles were located in vitelline membrane and proteid yolk but not in follicular epithelium of ovary. In testis, the gold particles were located in testicular fluid and peritoneal sheath.

A cDNA clone encoding a subunit of hemolymph ferritin has been identified and sequenced. Ferritin cDNA was obtained from RT-PCR using primers designed from N-terminal sequence analysis and then its sequence from N-terminal sequence to poly A(+) comfirmed. Of the known ferritin sequences, that of the wax moth was similar to that of *Aedes aegypti* and *Drosophila mellanogaster*.

Z408 Purification of a Mannan Recognition Protein from Hemolymph of the Wax moth, *Galleria mellonella*

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A mannan recogniton protein(MRP) was purified from hemolymph of Wax moth, *Galleria mellonella*. Purification procedures for the MRP consisted of precipitation with ammonium sulfate, chomatography on mono Q and superdex HR 75 of FPLC system. Purified MRP showed the ability to trigger the hemolymph prophenoloxidase cascade in the flow-through fraction of mannan-affinity column. MRP was composed of single polypeptide and the molecular mass was about 80 kDa judged by SDS-PAGE but its retention time on superdex HR 75 was very larger than the expected value. It is possible MRP is a non-globular protein.