

GENEALOGY DATABASE ENTRY

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Rose, William Cumming

1887 - 1985

DEGREE: PhD

DATE: 1911

PLACE: Yale

TEACHER/RESEARCH ADVISOR: Mendel

discovered and structurally characterized the amino acid threonine and showed that is "essential", i.e., not manufactured by the body, and must be obtained from the diet; also showed that different amino acids are essential to different organisms; studied creatine and creatinine metabolism, endogenous purine metabolism, nephropathic effects of dicarboxylic acids and their derivatives, and nutritive properties of amino acids; investigated the role of proteins in metabolism, the metabolic interrelationships between amino acids, and the determination of the amino acid requirements of human subjects; showed that histidine, which is an essential amino acid for all animals tested so far, is not essential for man.

1. *J. Nutrition* **1981**, *111*, 1313-1320.
2. *McGraw-Hill Modern Men of Science*; McGraw-Hill: 1966; vol. 2, p456-457.
3. *Fed. Proc. (Proc. Fed. Am. Soc. Exp. Biol.)* **1979**, *38*, 2684-2686.
4. *Annals NY Acad. Sci.* **1979**, *325*, 229-234.
5. *J. Chem. Ed.* **1969**, *46*, 759-763.