Bio

ACADEMIC APPOINTMENTS
- Emeritus Faculty, Acad Council, Biology
- Professor Emeritus, Biology

Publications

PUBLICATIONS
- A reversibly glycosylated polypeptide (RGP1) possibly involved in plant cell wall synthesis: Purification, gene cloning, and trans-Golgi localization. *Proceedings of the National Academy of Sciences of the United States of America*
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- Molecular-size and separability features of pea cell-wall polysaccharides - implications for models of primary wall structure. *Plant Physiology*
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- Changes in molecular-size of previously deposited and newly synthesized pea cell-wall matrix polysaccharides - effects of auxin and turgor. *Plant Physiology*
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- Plant polypeptides reversibly glycosylated by UDP-glucose - possible components of golgi beta-glucan synthase in pea cells. *Journal of Biological Chemistry*
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• **AUXIN ENHANCEMENT OF MESSENGER-RNAS IN EPIDERMIS AND INTERNAL TISSUES OF THE PEA STEM AND ITS SIGNIFICANCE FOR CONTROL OF ELONGATION** *PLANT PHYSIOLOGY*
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• **LIGHT-MEDIATED CHANGES IN 2 PROTEINS FOUND ASSOCIATED WITH PLASMA-MEMBRANE FRACTIONS FROM PEA STEM SECTIONS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
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• **EFFECT OF INDOLEACETIC ACID-STIMULATED AND FUSICOCCIN-STIMULATED PROTON EXTRUSION ON INTERNAL PH OF PEA INTERNODE CELLS** *PLANT PHYSIOLOGY*
Talbott, L. D., Ray, P. M., Roberts, J. K.
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• **INVOLVEMENT OF MACROMOLECULE BIOSYNTHESIS IN AUXIN AND FUSICOCCIN ENHANCEMENT OF BETA-GLUCAN SYNTHASE ACTIVITY IN PEA** *PLANT PHYSIOLOGY*
Ray, P. M.
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• **AUXIN AND FUSICOCCIN ENHANCEMENT OF BETA-GLUCAN SYNTHASE IN PEAS - AN INTRACELLULAR ENZYME-ACTIVITY APPARENTLY MODULATED BY PROTON EXTRUSION** *PLANT PHYSIOLOGY*
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• **REGULATION OF CYTOPLASMIC AND VACUOLAR PH IN MAIZE ROOT-TIPS UNDER DIFFERENT EXPERIMENTAL CONDITIONS** *PLANT PHYSIOLOGY*
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