# Stanford



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## 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

Dhugga, K. S., Tiwari, S. C., Ray, P. M.

1997; 94 (14): 7679-7684

• PURIFICATION OF 1,3-BETA-D-GLUCAN SYNTHASE ACTIVITY FROM PEA TISSUE - 2 POLYPEPTIDES OF 55 KDA AND 70 KDA COPURIFY WITH ENZYME-ACTIVITY EUROPEAN JOURNAL OF BIOCHEMISTRY

Dhugga, K. S., Ray, P. M. 1994; 220 (3): 943-953

 MOLECULAR-SIZE AND SEPARABILITY FEATURES OF PEA CELL-WALL POLYSACCHARIDES - IMPLICATIONS FOR MODELS OF PRIMARY WALL STRUCTURE PLANT PHYSIOLOGY

Talbott, L. D., Ray, P. M. 1992; 98 (1): 357-368

• CHANGES IN MOLECULAR-SIZE OF PREVIOUSLY DEPOSITED AND NEWLY SYNTHESIZED PEA CELL-WALL MATRIX POLYSACCHARIDES - EFFECTS OF AUXIN AND TURGOR PLANT PHYSIOLOGY

Talbott, L. D., Ray, P. M. 1992; 98 (1): 369-379

• PLANT POLYPEPTIDES REVERSIBLY GLYCOSYLATED BY UDP-GLUCOSE - POSSIBLE COMPONENTS OF GOLGI BETA-GLUCAN SYNTHASE IN PEA CELLS JOURNAL OF BIOLOGICAL CHEMISTRY

Dhugga, K. S., Ulvskov, P., Gallagher, S. R., Ray, P. M.

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• ISOELECTRIC-FOCUSING OF PLANT PLASMA-MEMBRANE PROTEINS - FURTHER EVIDENCE THAT A 55 KILODALTON POLYPEPTIDE IS ASSOCIATED WITH BETA-1,3-GLUCAN SYNTHASE ACTIVITY FROM PEA PLANT PHYSIOLOGY

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• A 55 KDA PLASMA MEMBRANE-ASSOCIATED POLYPEPTIDE IS INVOLVED IN BETA-1,3-GLUCAN SYNTHASE ACTIVITY IN PEA TISSUE FEBS LETTERS

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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

Gallagher, S., Short, T. W., Ray, P. M., Pratt, L. H., Briggs, W. R.

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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

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• PROMOTION OF XYLOGLUCAN METABOLISM BY ACID PH PLANT PHYSIOLOGY

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• TURNOVER OF CELL-WALL POLYSACCHARIDES IN ELONGATING PEA STEM SEGMENTS PLANT PHYSIOLOGY

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LABAVITC, J. M., Ray, P. M.

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