



Peter Ray

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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.
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- **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.
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- **MOLECULAR-SIZE AND SEPARABILITY FEATURES OF PEA CELL-WALL POLYSACCHARIDES - IMPLICATIONS FOR MODELS OF PRIMARY WALL STRUCTURE** *PLANT PHYSIOLOGY*
Talbot, 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*
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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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- **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*
Dhugga, K. S., Ray, P. M.
1991; 278 (2): 283-286

- **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*
Talbot, L. D., Ray, P. M., Roberts, J. K.
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- **REGULATION OF CYTOPLASMIC AND VACUOLAR PH IN MAIZE ROOT-TIPS UNDER DIFFERENT EXPERIMENTAL CONDITIONS** *PLANT PHYSIOLOGY*
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- **EARLY AUXIN-REGULATED POLYADENYLYLATED MESSENGER-RNA SEQUENCES IN PEA STEM TISSUE** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES*
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- **PH-DEPENDENT INTERACTIONS BETWEEN PEA CELL-WALL POLYMERS POSSIBLY INVOLVED IN WALL DEPOSITION AND GROWTH** *PLANT PHYSIOLOGY*
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