Speaker: Peter V. Hauschka, Ph.D.

Education: B.A. Amherst College, Amherst MA, 1964; Ph.D. The Johns Hopkins University, Baltimore MD 1969; Postdoctoral Fellow in Cancer Research, University of Colorado, Boulder CO, 1970-3. NIH Career Development Award, Harvard Schools of Medicine and Dental Medicine, 1976-81

Positions: Dallas Cowboys Football Team, signed as free agent punter, kicker 1967
Research Associate in Orthopedics, Children's Hospital, Boston MA 1973-2014
Associate Prof. Harvard Schools of Medicine and Dental Medicine, 1978-2014
Director and Principal Investigator of a grant-supported Bone Cell Biology laboratory, Children's Hospital, Boston, 1978-2014; Retired: 2014-
Instructor, Needham Community Education, 2019-present

Publications: Over 120 peer-reviewed original research articles, chapters, and reviews in scientific journals on topics including: structure of collagen and osteocalcin proteins, peptide and amino acid chemistry, calcium binding to proteins, tumor and bone cell biology, osteoinductive factors and growth factors in mineralized tissues, breast cancer metastasis, and pathologic interactions of metastatic tumor cells with osteoblasts and osteoclasts. Much of this work has involved over 100 students and fellows; mentoring these individuals has helped to produce the next generation of medical professionals.

Current Activities:

The speaker's main hobbies have been organic beekeeping and cultivation of fruits, vegetables and perennial flowers. This has involved garden bed design, construction, soil building, planting, pruning, and general maintenance of organic gardens. An abundance of plants flowering from April to November sustains many species of wild pollinators and 4-5 honeybee hives. Peter's 1 acre farm in Needham, MA features over 50 fruit trees, large beds of raspberries, blackberries, red and black currants, gooseberries, blueberries, and elderberries, and extensive perennial flower beds. The annual yield is about 1000 lb. of fruit, 500 lb. of vegetables, and 400 lb. of honey. Organic soil building and enrichment has been essential for high yields from healthy, disease-resistant plants.