

CURRICULUM VITAE

NAME: HUNT, Arthur Garfield

DATE AND PLACE OF BIRTH: August 14, 1954, Belleville, Illinois, USA

CITIZENSHIP: United States of America

ADDRESS: Department of Plant and Soil Sciences
University of Kentucky
Lexington, KY 40546-0312
Tel: (859) 257-218-0776
Fax: (859) 257-7125
Email: aghunt00@uky.edu

EDUCATION:

1976 - 1982 Ph.D., Biochemistry, Brandeis University, Waltham, MA
Graduate Advisor: Dr. Jen-shiang Hong
Thesis Title: "The Energetics of Osmotic Shock-Sensitive Active Transport in *Escherichia coli*:
Studies in Whole Cells and Isolated Membrane Vesicles"

1972 - 1976 B.S., Biological Sciences, University of Lowell (present name: University of
Massachusetts at Lowell), Lowell, MA

EMPLOYMENT:

July 1996 - present: Professor
Department of Plant and Soil Sciences
University of Kentucky
Lexington, KY 40546

August 1990 - present: Director of Graduate Studies
Plant Physiology Graduate Program
University of Kentucky

July 1990 - June 1996: Associate Professor
Department of Agronomy
University of Kentucky
Lexington, KY 40546

July 1985 - June 1990: Assistant Professor
Department of Agronomy
University of Kentucky
Lexington, KY 40546

June 1982 - May 1985: Postdoctoral Fellow
Laboratory of Plant Molecular Biology
The Rockefeller University, New York, NY 10021
Advisor: Dr. Nam-Hai Chua

September 1981 - May 1982: Postdoctoral Research Associate
Department of Cell Physiology
Boston Biomedical Research Institute, Boston MA
Advisor: Dr. Jen-shiang Hong

September 1975 - May 1976: Teaching Assistant
Department of Biological Sciences
University of Lowell, Lowell, MA 01854

PUBLICATIONS

REFEREED RESEARCH ARTICLES:

1. Hong, J-s., Hunt, A. G., Masters, P. S., and Lieberman, M. A. (1979). Requirement of acetyl phosphate for the binding protein-dependent transport systems in *Escherichia coli*. *Proceedings of the National Academy of Sciences USA* 75, 1213-1217.
2. Hunt, A. G. and Hong, J-s. (1980). A micromethod for the determination of acetyl phosphate and acetyl coenzyme A. *Analytical Biochemistry* 108, 290-294.
3. Hunt, A. G. and Hong, J-s. (1981). The reconstitution of binding protein-dependent active transport of glutamine in isolated membrane vesicles from *Escherichia coli*. *Journal of Biological Chemistry* 256, 11988-11991.
4. Hunt, A. G. and Hong, J-s. (1983). Properties and characterization of binding protein-dependent active transport of glutamine in isolated membrane vesicles of *Escherichia coli*. *Biochemistry* 22, 844-850.
5. Hunt, A. G. and Hong, J-s. (1983). Involvement of histidine and tryptophan residues of glutamine binding protein in the interaction with membrane-bound components of the glutamine transport system of *Escherichia coli*. *Biochemistry* 22, 851-854.
6. Hunt, A. G., Simplaceanu, V., Hong, J-s., and Ho, C. (1983). Phosphorus-31 nuclear magnetic resonance investigation of membrane vesicles from *Escherichia coli*. *Biochemistry* 22, 6130-6134.
7. Hunt, A. G., Chu, N. M., Odell, J. T., Nagy, F., and Chua, N.-H. (1987). Plant cells do not properly recognize animal gene polyadenylation signals. *Plant Molecular Biology* 8, 23-35.
8. Schardl, C., Byrd, A. D., Benzion, G. B., Altschuler, M. A., Hildebrand, D. F., and Hunt, A. G. (1987). Design and construction of a versatile system for the expression of foreign genes in plants. *Gene* 61, 1-11.
9. Maiti, I. B., Hunt, A. G., and Wagner, G. J. (1988). Seed-transmissible expression of mammalian metallothionein in transgenic tobacco. *Biochemical and Biophysical Research Communications* 150, 640-647.
10. Hunt, A. G. (1988). Identification and characterization of cryptic polyadenylation sites in the 3' region of a pea ribulose-1,5-bisphosphate carboxylase small subunit gene. *DNA* 7, 329-336.

11. Domier, L. L., Franklin, K. M., Hunt, A. G., Rhoads, R. E., and Shaw, J. G. (1989). Infectious *in vitro* transcripts from cloned cDNA of the potyvirus, tobacco vein mottling virus. *Proceedings of the National Academy of Sciences USA* 86, 3509-3513.
12. Graybosch, R., Hellmann, G. M., Shaw, J. G., Rhoads, R. E., and Hunt, A. G. (1989). Expression of a potyvirus non-structural protein in transgenic tobacco. *Biochemical and Biophysical Research Communications* 160, 425-432.
13. Hunt, A. G. and MacDonald, M. (1989). Deletion analysis of the polyadenylation signal of a pea ribulose-1,5-bisphosphate carboxylase small subunit gene. *Plant Molecular Biology* 13, 125-138.
14. Berger, P., Hunt, A. G., Domier, L. L., Hellmann, G. M., Stram, Y., Thornbury, D., and Pirone, T. P. (1989). Expression in transgenic plants of a viral gene product which mediates insect transmission of potyviruses. *Proceedings of the National Academy of Sciences USA* 86, 8402-8406.
15. Maiti, I. B., Wagner, G. J., Yeagan, R., and Hunt, A. G. (1989). Inheritance and expression of the mouse metallothionein gene in tobacco: Impact on Cd tolerance and tissue Cd distribution in seedlings. *Plant Physiology* 91, 1020-1023.
16. Murphy, J. F., Rhoads, R. E., Hunt, A. G., and Shaw, J. G. (1990). The VPg of tobacco etch virus RNA is the 49-kDa proteinase or the N-terminal 24 kDa part of the proteinase. *Virology* 178, 285-288.
17. Mogen, B., Graybosch, R., MacDonald, M., and Hunt, A. G. (1990). Upstream sequences other than AAUAAA are required for efficient mRNA 3' end formation in plants. *The Plant Cell* 2, 1261-1272.
18. Murphy, J. F., Rychlik, W., Rhoads, R. E., Hunt, A. G., and Shaw, J. G. (1991). A tyrosine residue located within the small nuclear inclusion protein links TVMV VPg to its RNA. *Journal of Virology* 65, 511-513.
19. Hunt, A. G., Mogen, B., Chu, N. M., and Chua, N.-H. (1991). The SV40 small t intron is accurately and efficiently spliced in tobacco cells. *Plant Molecular Biology* 16, 375-380.
20. Maiti, I. B., Wagner, G. J., and Hunt, A. G. (1991). Light-inducible and tissue-specific expression of a chimeric mouse metallothionein cDNA in tobacco. *Plant Science* 76, 94-107.
21. MacDonald, M. H., Mogen, B., and Hunt, A. G. (1991). Characterization of the polyadenylation signal of the T-DNA-encoded octopine synthase gene. *Nucleic Acids Research* 19, 5575-5581.
22. Yang, J. and Hunt, A. G. (1992). Purification and characterization of a 70 kD polyadenylate-binding protein from pea (*Pisum sativum*). *Plant Physiology* 98, 1115-1120.
23. Yeagan, R., Maiti, I. B., Nielsen, M. T., Hunt, A. G., and Wagner, G. J. (1992). Tissue partitioning of Cd in transgenic tobacco seedlings and field plants expressing the mouse metallothionein I gene. *Transgenic Research* 1, 261-267.
24. Mogen, B. D., MacDonald, M. H., Leggewie, G., and Hunt, A. G. (1992). Several distinct types of sequence elements are required for efficient mRNA 3' end formation in a pea *rbcS* gene. *Molecular and Cellular Biology* 12, 5406-5414.
25. Brantley, J. D. and Hunt, A. G. (1993). The N-terminal protein of the polyprotein encoded by the potyvirus tobacco vein mottling virus is an RNA binding protein. *Journal of General Virology* 74, 1157-1162.
26. Maiti, I. B., Murphy, J. F., Shaw, J. G., and Hunt, A. G. (1993) Plants that express a potyvirus proteinase gene are resistant to virus infection. *Proceedings of the National Academy of Sciences USA* 90, 6110-6114.

27. Yang, J. and Hunt, A. G. (1994) Immunological characterization of plant polyadenylate-binding proteins. *Plant Science* 99, 161-170.
28. Klein, P., Klein, R., Cerezo-Rodriguez, E., Hunt, A. G., and Shaw, J. G. (1994) Mutational analysis of the tobacco vein mottling potyvirus genome. *Virology* 204, 759-769.
29. Vance, V. B., Berger, P. H., Carrington, J. C., Hunt, A. G., and Shi, X. M. (1995) 5' proximal potyviral sequences mediate potato virus X/potyviral synergistic disease in transgenic tobacco. *Virology* 206, 583-590.
30. Ghosh, S. K., Das Gupta, J., Maiti, I. B., Hunt, A. G., and Mandal, R. K. (1995) Expression of 2S seed storage protein gene of *Brassica juncea* in transgenic tobacco plants under constitutive and seed-specific promoters. *Journal of Plant Biochemistry and Biotechnology* 4, 1-4.
31. Li, Q. and Hunt, A. G. (1995) A near upstream element in a plant polyadenylation signal consists of more than six bases. *Plant Molecular Biology* 28, 927-934.
32. Das Gupta, J., Li, Q., Thomson, A. B., and Hunt, A. G. (1995) Characterization of a novel plant polyadenylate polymerase. *Plant Science* 110, 215-226.
33. Hong, Y., Levay, K., Murphy, J. F., Klein, P. G., Shaw, J. G., and Hunt, A. G. (1995) A potyvirus-encoded polymerase interacts with the viral coat protein and VPg in yeast cells. *Virology* 214, 159-166.
34. Murphy, J. F., Klein, P. G., Hunt, A. G., and Shaw, J. G. (1996) Replacement of the tyrosine residue that links a potyviral VPg to the viral RNA is lethal. *Virology* 220, 535-538.
35. Li, Q., Das Gupta, J., and Hunt, A. G. (1996) A plant poly(A) polymerase requires a novel RNA binding protein for activity. *Journal of Biological Chemistry* 271, 19831-19835.
36. Hong, Y. and Hunt, A. G. (1996) RNA polymerase activity catalyzed by a potyvirus-encoded RNA-dependent RNA polymerase. *Virology* 226, 146-151.
37. Xu, D., Collins, G. B., Hunt, A. G., and Nielsen, M. T. (1997) Field resistance of transgenic burley tobacco lines and hybrids expressing the tobacco vein mottling virus coat protein gene. *Molecular Breeding* 3, 291-306.
38. Xu, D., Collins, G. B., Hunt, A. G., and Nielsen, M. T. (1997) Factors affecting coat protein-mediated resistance against potyviruses in tobacco. *Molecular Breeding* 3, 331-339.
39. Torisky, R. S., Kovacs, L., Avdiushko, S. A., Newman, J. D., Hunt, A. G., and Collins, G. B. (1997) Development of a binary vector system for plant transformation based on the supervirulent *Agrobacterium tumefaciens* strain Chyr5. *Plant Cell Reports* 17, 102-108.
40. Das Gupta, J., Li, Q., Thomson, A. B., and Hunt, A. G. (1998) Characterization of cDNAs encoding a novel plant poly(A) polymerase. *Plant Molecular Biology* 37, 729-734.
41. Li, Q., Das Gupta, J., and Hunt, A. G. (1998) Polynucleotide phosphorylase is a component of a novel plant poly(A) polymerase. *Journal of Biological Chemistry* 273, 17539-17543.
42. Fellers, J., Collins, G. B., and Hunt, A. G. (1998) The NIa-proteinase of different potyviruses provide specific resistance to virus infection. *Crop Science* 38, 1309-1319.
43. Das Gupta, J., Li, Q., and Hunt, A. G. (1998) Characterization of two RNA binding factors from pea nuclei. *Journal of Plant Biochemistry and Biotechnology* 7, 1-5.
44. Fellers, J., Wan, J., Hong, Y., Collins, G. B., and Hunt, A. G. (1998) *In vitro* interactions between a potyvirus-encoded genome-linked protein and RNA-dependent RNA polymerase. *Journal of General Virology* 79, 2043-2049.
45. Xu, D., Collins, G. B., Hunt, A. G., and Nielsen, M. T. (1998) Resistance to alfalfa mosaic virus in transgenic burley tobacco expressing the AMV coat protein gene. *Crop Science* 38, 1661-1668.

46. Dasgupta, S., Collins, G. B., and Hunt, A. G. (1998) Coordinated expression of multiple enzymes in different subcellular compartments in plants. *The Plant Journal* 16, 107-116.
47. Xu, D., Collins, G. B., Hunt, A. G., and Nielsen, M. T. (1999) Agronomic performance of transgenic burley tobaccos expressing the TVMV or AMV coat protein genes with or without virus challenges. *Crop Science* 39, 1195-1202.
48. Maiti, I. B., Von Lanken, C., Hong, Y., and Hunt, A. G. (1999) Introduction of multiple virus-derived resistance determinants into transgenic plants does not result in additive resistance properties. *Journal of Plant Biochemistry and Biotechnology* 8, 67-73.
49. Li, Q., Von Lanken, C. D., Yang, J., Lawrence, C. B., and Hunt, A. G. (2000) The yeast polyadenylate binding protein (*PAB1*) gene acts as a disease lesion mimic gene when expressed in plants. *Plant Molecular Biology* 42, 335-344.
50. Hunt, A. G., Meeks, L. R., Forbes, K. P., Das Gupta, J., and Mogen, B. D. (2000) Nuclear and chloroplast poly(A) polymerases from plants share a novel biochemical property. *Biochemical and Biophysical Research Communications* 272, 174-181.
51. Shen, S., Li, Q., He, S.-Y., Barker, K. R., Li, D., and Hunt, A. G. (2000) Conversion of compatible plant-microbe interactions into incompatible interactions by expression of the *Pseudomonas syringae* pv. *syringae* 61 *hrmA* gene in transgenic tobacco plants. *The Plant Journal* 23, 205-214.
52. Dattaroy, T. and Hunt, A. G. (2002) Polyadenylation of RNAs associated with a nuclear phosphorolytic nuclease complex from plants. *Journal of Plant Biochemistry and Biotechnology* 11, 21-25.
53. Elliott, B. J., Dattaroy, T., Meeks, L. R., Forbes, K. P., and Hunt, A. G. (2003) An interaction between an Arabidopsis poly(A) polymerase and a homologue of the 100 kD subunit of CPSF. *Plant Molecular Biology* 51, 373-384.
54. Addepalli, B., Meeks, L. R., Forbes, K. P., and Hunt, A. G. (2004) Novel alternative splicing of mRNAs encoding poly(A) polymerases in Arabidopsis. *Biochimica Biophysica Acta* 1679, 117-128.
55. Maiti, I.B., Von Lanken, C., Pattanaik, S., and Hunt, A. G. (2004) Virus Resistance in Transgenic Plants That Express a Functional Potyvirus P1 Proteinase Gene. *Transgenics* 4, 137-150.
56. Forbes, K. P., Addepalli, B., and Hunt, A. G. (2006) An Arabidopsis Fip1 homologue interacts with RNA and provides conceptual links with a number of other polyadenylation factor subunits. *Journal of Biological Chemistry* 281, 176-186.
57. Delaney, K. J., Xu, R., Zhang, J., Li, Q. Q., Yun, K.-Y., Falcone, D. F., and Hunt, A. G. (2006) Calmodulin interacts with and regulates the RNA-binding activity of an Arabidopsis polyadenylation factor subunit. *Plant Physiology* 140, 1507-1521.
58. Addepalli, B., Xu, R., Dattaroy, T., Li, B., Bass, W. T., Li, Q. Q., and Hunt, A. G. (2006) Disease resistance in plants that carry a feedback-regulated yeast poly(A) binding protein gene. *Plant Molecular Biology* 61, 383-397.
59. Addepalli, B. and Hunt, A. G. (2007) A novel endonuclease activity associated with the Arabidopsis ortholog of the 30 kD subunit of cleavage and polyadenylation specificity factor. *Nucleic Acids Research* 35, 4453-4463.
60. Addepalli, B. and Hunt, A.G. (2008) The interaction between two Arabidopsis polyadenylation factor subunits involves an evolutionarily-conserved motif and has implications for the assembly and function of the polyadenylation complex. *Protein and Peptide Letters* 15, 76-88.

61. Addepalli, B. and Hunt, A. G. (2008) Redox and heavy metal effects on the biochemical activities of an Arabidopsis polyadenylation factor subunit function. *Archives of Biochemistry and Biophysics* 473, 88-95.
62. Hunt, A. G., Xu, R., Addepalli, B., Rao, S., Forbes, K. P., Meeks, L. R., Xing, D., Mo, M., Zhao, H., Bandyopathy, A., Dampanaboina, L., Marion, A., Von Lanken, C., and Li, Q. Q. (2008) Arabidopsis mRNA polyadenylation machinery: comprehensive analysis of protein-protein interactions and gene expression profiling. *BMC Genomics* 9, 220.
63. Zhang, J., Addepalli, B., Yun, K.-Y., Hunt, A. G., Rao, S., Xu, R., Li, Q. Q., and Falcone, D. L. (2008) Differential RNA processing implicated in responses of *Arabidopsis thaliana* to oxidative stress: a stress-tolerant mutant is deficient in a calmodulin-regulated RNA-binding protein. *PLoS ONE* 3, e2410.
64. Addepalli, B., and Hunt, A. G. (2008) Nuclease activity is a common characteristic of Arabidopsis CCCH-containing zinc finger proteins. *FEBS Letters* 582, 2577-2582.
65. Rao, S., Dinkins, R. D., and Hunt, A. G. (2009) Distinctive interactions of the Arabidopsis homolog of the 30 kD subunit of the cleavage and polyadenylation specificity factor (AtCPSF30) with other polyadenylation factor subunits. *BMC Cell Biology* 10, 51.
66. Meeks, L. R., Addepalli, B., and Hunt, A. G. (2009) Characterization of genes encoding poly(A) polymerases in plants: evidence for duplication and functional specialization. *PLoS ONE* 4, e8082.
67. Bell, S. and Hunt, A. G. (2010) The Arabidopsis ortholog of the 77 kD subunit of the polyadenylation Cleavage Stimulatory Factor is an RNA binding protein. *FEBS Letters* 584, 1449-1454.
68. Addepalli, B., Limbach, P. A., and Hunt, A. G. (2010) A disulfide linkage in a CCCH zinc finger motif of an Arabidopsis CPSF30 ortholog. *FEBS Letters* 584, 4408-4412.
69. Wu, X., Liu, M., Downie, B., Liang, C., Ji, G., Li, Q. Q., and Hunt, A. G. (2011) Genome-wide landscape of polyadenylation in Arabidopsis provides evidence for extensive alternative polyadenylation. *Proc Natl Acad Sci U S A.* 108,12533-12538.
70. Thomas, P. E., Wu, X., Liu, M., Gaffney, B., Ji, G., Li, Q. Q., and Hunt, A. G. (2012) Genome-wide control of polyadenylation site choice by CPSF30 in Arabidopsis. *Plant Cell* 24, 4376-4388.
71. Hunt, A. G., Xing, D., and Li, Q. Q. (2012) Plant polyadenylation factors: conservation and variety in the polyadenylation complex in plants. *BMC Genomics* 13, 64.
72. Buonaccorsi, V., Peterson, M., Lamendella, G., Newman, J., Trun, N., Tobin, T., Aguilar, A., Hunt, A. G., Praul, C., Grove, D., Roney, J., and Roberts, W. (2013). Vision and change through the Genome Consortium on Active Teaching using Next-Generation Sequencing (GCAT-SEEK). (Letter to the editor). *CBE-Life Sciences Education* 13, 1-2.
73. Ma, L., Pati, P. K., Liu, M., Li, Q. Q., and Hunt, A. G. (2014) High throughput determination of polyadenylation sites in plants. *Methods* 67, 74-83.
74. Wu, X., Gaffney, B, Li, Q. Q., and Hunt, A. G. (2014) Genome-wide determination of poly(A) sites in *Medicago truncatula*: evolutionary conservation of alternative poly(A) site choice. *BMC Genomics* 15, 615.
75. Liu, M., Xu, R., Merrill, C., Von Lanken, C., Hunt, A. G., and Li, Q. Q. (2014) Integration of developmental and hormonal signals via a polyadenylation factor in Arabidopsis. *PLoS ONE*, 9(12): e115779.

75. Chakrabarti, M., Dinkins, R. D., and Hunt, A. G. (2015) De novo transcriptome assembly and dynamic spatial gene expression analysis in red clover (*Trifolium pratense*). *The Plant Genome*, accepted for publication (Dec. 10, 2015).
76. Bell, S. S., Brown, A., Chen, S., and Hunt, A. G. (2015) Experimental genome-wide determination of RNA polyadenylation in *Chlamydomonas reinhardtii*. *PLoS ONE*, accepted for publication (Dec. 15, 2015).

INVITED REVIEWS AND BOOK CHAPTERS:

1. Hunt, A. G. and Hong, J-s. (1981). The energetics of osmotic shock-sensitive transport in *Escherichia coli*. in Membranes and Transport: A Critical Review, Volume II (A. N. Martonosi, ed., Plenum, N. Y.).
2. Hunt, A. G. (1986) A micromethod for the measurements of acetyl phosphate and acetyl coenzyme A. *Methods in Enzymology* 122, 43-50.
3. Hunt, A. G. and Hong, J-s. (1986) Periplasmic binding protein-dependent active transport in isolated bacterial membrane vesicles. *Methods in Enzymology* 125, 302-309.
4. Hildebrand, D. F., Altschuler, M., Bookjans, G., Benzion, G., Hamilton-Kemp, T. R., Andersen, R. A., Rodriguez, J. G., Polacco, J. C., Dahmer, M. L., Hunt, A. G., Wang, X., and Collins, G. B. (1987) Transformational analysis of lipoxygenases. in The Metabolism, Structure, and Function of Plant Lipids (P. K. Stumpf, J. B. Mudd, and W. D. Nes, eds., Plenum Publishing Corporation, NY).
5. Shaw, J. G., Hunt, A. G., Pirone, T. P., and Rhoads, R. E. (1990) Organization and expression of potyviral genomes. in Viral Genes and Plant Pathogenesis (T. P. Pirone and J. G. Shaw, eds., Springer-Verlag, New York, NY), pp. 107-121.
6. Maiti, I. B. and Hunt, A. G. (1992) Developing genetically engineered disease, pest, and herbicide resistance. *Recent Advances in Tobacco Science* 18, 45-68.
7. Hunt, A. G. (1994) Messenger RNA 3' end formation in plants. *Annual Review of Plant Physiology and Plant Molecular Biology* 45, 47-60.
8. Maiti, I.B. and Hunt, A. G. (1996) Genetically engineered resistance to potyviruses. in Technology Transfer of Plant Biotechnology. P. M. Gresshoff, ed., CRC Press, Boca Raton, FL. pp. 51-65.
9. Li, Q.-S. and Hunt, A. G. (1997) Polyadenylation of mRNA. *Plant Physiology* 115, 321-325.
10. Hunt, A. G. and Messing, J. (1998) Messenger RNA 3' end formation in plants. in A Look Beyond Transcription: Mechanisms Determining mRNA Stability and Translation in Plants. Proceedings of the 19th UC-Riverside Annual Symposium on Plant Physiology. Riverside, CA 1997. pp. 29-39.
11. Hunt, A. G. and Maiti, I. B. (2001) Strategies for the expression of multiple foreign genes in plants as polycistronic constructs. *In Vitro Cellular and Developmental – Plant* 37, 313-320.
12. Hunt, A. G. (2007) Messenger RNA 3'-end formation and the regulation of gene expression. in Regulation of Gene Expression in Plants - The Role of Transcript Structure and Processing. (C. Bassett, ed., Springer). pp 101-122. ISBN: 978-0-387-35449-1.
13. Wang, W.-X., Gaffney, B., Hunt, A. G., and Tang, G. (2007) MicroRNAs (miRNAs) and Plant Development. in Encyclopedia of Life Sciences (John Wiley and Sons). doi: 10.1002/9780470015902.a0020106

14. Hunt, AG. (2008) Messenger RNA 3' End Formation in Plants. in Nuclear pre-mRNA Processing in Plants, Current Topics in Microbiology and Immunology 326 (M. Golovkin and ASN Reddy, eds., Springer-Verlag Berlin Heidelberg 2008), pp 151-177.
15. Addepalli B., Hunt AG. (2012) Diverse Roles of CCCH Zinc Finger Proteins in Stress and Plant Development Responses. In Zinc Fingers: Structure, Properties and Applications. R. Ciofani and L. Makrlik, eds. Nova Science Publishers. ISBN: 978-1-62100-310-6. Pp. 121-140.
16. Hunt, A. G. (2012) RNA regulatory elements and polyadenylation in plants. *Front. Plant Sci.* 2,109.
17. Hunt, A. G. (2014) The Arabidopsis polyadenylation factor subunit CPSF30 as conceptual link between mRNA polyadenylation and cellular signaling. *Current Opinion in Plant Biology (Cell Signaling and Gene Regulation)* 21C, 128-132.
18. Addepalli, B., Rao, S., and Hunt, A. G. (2015) Phage Display Library Screening for Identification of Interacting Protein Partners. in Polyadenylation in Plants – Methods and Protocols, Methods in Molecular Biology, vol. 1255. A. G. Hunt and Q. Q. Li, eds. Springer. ISBN 978-1-4939-2174-4. pp. 147-158.
19. Pati, P. K., Ma, L., and Hunt, A. G. (2015) Genome-wide determination of poly(A) site choice in plants. in Polyadenylation in Plants – Methods and Protocols, Methods in Molecular Biology, vol. 1255. A. G. Hunt and Q. Q. Li, eds. Springer. ISBN 978-1-4939-2174-4. pp. 159-174.
20. Von Lanken, C. and Hunt, A. G. (2015) Transient expression using Agroinfiltration to study polyadenylation in plants. in Polyadenylation in Plants – Methods and Protocols, Methods in Molecular Biology, vol. 1255. A. G. Hunt and Q. Q. Li, eds. Springer. ISBN 978-1-4939-2174-4. pp. 127-133.
21. Ma, L. and Hunt, A. G. (2015) A 3' RACE protocol to confirm polyadenylation sites. in Polyadenylation in Plants – Methods and Protocols, Methods in Molecular Biology, vol. 1255. A. G. Hunt and Q. Q. Li, eds. Springer. ISBN 978-1-4939-2174-4. pp. 135-144.
22. Hunt, A. G. (2015) A rapid, simple, and inexpensive method for the preparation of strand-specific RNA-Seq libraries. in Polyadenylation in Plants – Methods and Protocols, Methods in Molecular Biology, vol. 1255. A. G. Hunt and Q. Q. Li, eds. Springer. ISBN 978-1-4939-2174-4. pp. 195-208.
23. Chakrabarti, M. and Hunt, A. G. (2015) CPSF30 at the Interface of Alternative Polyadenylation and Cellular Signaling in Plants. *Biomolecules* 5(2), 1151-1168.

BOOKS

Polyadenylation in Plants – Methods and Protocols, Methods in Molecular Biology, vol. 1255. A. G. Hunt and Q. Q. Li, eds. Springer. ISBN 978-1-4939-2174-4.

PATENTS AND INVENTIONS:

U.S. Patent # 6,018,106 - Use of yeast poly(A) binding proteins and their genes for broad-range protection of plants against bacterial, fungal, and viral pathogens (co-inventors: Qingshun Li, Carol von Lanken, and Jianjun Yang)

U.S. Patent # 6,342,654 - Use of HrmA proteins and their genes for broad-range protection of plants against bacterial, fungal, and viral pathogens (co-inventors: Qingshun Li, Songhei Shen, and Sheng Yang He)

U.S. Patent # 6,476,293 - Use of bacterial acetate kinases and their genes for protection of plants against different pathogens (co-inventors: Santanu Dasgupta, Qingshun Li, Chrostopher Lawrence, and Glenn B. Collins)