
BIOGRAPHICAL SKETCH

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|--|---|---------|-------------------|
| NAME Donald F Hunt | POSITION TITLE University Professor of Chemistry and Pathology | | |
| CURRENT AFFILIATION University of Virginia | | | |
| EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.) | | | |
| INSTITUTION AND LOCATION | DEGREE (if applicable) | YEAR(s) | FIELD OF STUDY |
| University of Massachusetts, Amherst, MA | B.S. | 1962 | Chemistry |
| University of Massachusetts, Amherst, MA | Ph. D. | 1967 | Organic Chemistry |
| MIT, Cambridge, MA (Klaus Biemann) | Post. Doc. | 1967-68 | Mass Spectrometry |

List of five recent publications by the candidate: (From a list of 350)

- 1) Syka JEP, Coon JJ, Schroeder MJ, Shabanowitz J, Hunt DF. Peptide and Protein Sequence Analysis by Electron Transfer Dissociation Mass Spectrometry. Proc Natl Acad Sci USA **2004**;101:9528-9533.
- 2) Chen T, Muratore TL, Schaner-Tooley CE, Shabanowitz J, Hunt DF, Macara IG. N-Terminal α -Methylation of RCC1 is Necessary for Stable Chromatin Association and Normal Mitosis. Nature Cell Biology **2007**;9: 596 - 603.
- 3) Eisinger-Mathason TSK, Andrade J, Groehler AL, Clark DE, Muratore-Schroeder TL, Smith JA, Shabanowitz J, Hunt DF, Macara IG, Lannigan DA. Codependent Functions of RSK2 and the Apoptosis-Promoting Factor TIA-1 in Stress Granule Assembly and Cell Survival. Mol Cell **2008**;31:722-36.
- 4) Mohammed F, Cobbold M, Zarlign AL, Salim M, Barrett-Wilt GA, Shabanowitz J, Hunt DF, Engelhard VE, Willcox BE. Phosphorylation-Dependent Interaction Between Antigenic Peptides and MHC Class I: A Molecular Basis for the Presentation of Transformed Self. Nature Immunol **2008**;9:1236-1243.
- 5) Duncan EM, Muratore-Schroeder TL, Cook RG, Garcia B, Shabanowitz J, Hunt DF, Allis CD. Cathepsin L Proteolytically Processes Histone H3 During Mouse Embryonic Stem Cell Differentiation. Cell **2008**;135:284-294.

Please indicate in 200 words or less the reason(s) why you would be a suitable candidate for the HUPO Council elections.

Honors

- 1981-82 John Simon Guggenheim Fellow Awardee & NIH Fogarty Senior International Research Fellow
1990 American Chemical Society, Charles H. Stone Award Recipient
1992 Virginia's Outstanding Scientist Award
1992 Pehr Edman Award, International Conference on Methods in Protein Sequence Analysis
1994 Distinguished Contribution Award, American Society for Mass Spectrometry
1995 Christian B. Anfinsen Award, Protein Society
1996 Chemical Instrumentation Award, American Chemical Society
2000 Frank H. Field and Joe L. Franklin Award, American Chemical Society
2000 Thomson Medal, International Mass Spectrometry Society
2006 Distinguished Accomplishment Award, Human Proteome Organization (HUPO)
2007 Distinguished Accomplishment Award, ABRF

Thirty years of experience in the field of proteomics (analytical biochemistry). H index = 73. Consultant to ThermoElectron (Finnigan Corp) for 38 years.