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| NAME<br>Peter Evans LEOPOLD | POSITION TITLE<br>President, BioAnalyte Inc. |
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| INSTITUTION AND LOCATION              | DEGREE   | YEAR CONFERRED | FIELD OF STUDY    |
|---------------------------------------|----------|----------------|-------------------|
| Georgetown University, Washington, DC | B.S.     | 1985           | Physics & History |
| University of California, San Diego   | M.S.     | 1987           | Physics           |
| University of California, San Diego   | Ph.D.    | 1992           | Physics           |
| Harvard University, Cambridge, MA     | Post-doc | 1992-1995      | Chemical Physics  |

**Professional Appointments:**

1995-1996 Software Scientist, Bruker Analytical Systems Inc., Billerica, MA.  
 1996-1998 Assistant Investigator, ProteiGene Inc.  
 1998-1999 Associate Investigator, ProteiGene Inc.  
 1999-2001 Vice President, ProteiGene Inc. Billerica, MA.  
 2001-present President, BioAnalyte Inc. Portland, ME.

**University Appointments**

1992-1993 Teaching Fellow, Department of Chemistry, Harvard University, Cambridge, MA.  
 2003-2004 Adjunct Scientist, Bioscience Research Institute, University of Southern Maine, Portland, ME.

**Federal Government Advisory Position**

2004, 2006 NIAID/VATID Special Program Reviewer.

**Funded Proposals as Principal Investigator.**

1993-1995 NIGMS Post-doctoral fellowship.  
 1997 Rapid Identification Of Infectious Bacteria, National Institute of Environmental Health Sciences, Phase I SBIR 1R43ES008857-01.  
 1997-2001 Rapid Identification Of Infectious Bacteria, National Institute of Environmental Health Sciences, Phase II SBIR 1R43ES008857-02.  
 1998 "Clinical Diagnostics with MALDI-ToF Mass Spectrometry," National Institute of Diabetes and Digestive and Kidney Diseases, Phase I SBIR, 1R43DK054118-01.  
 2002 "Direct MALDI-ToF analysis of LCM-selected tissue & tumor", National Cancer Institute, Phase I SBIR, 1R43CA094677-01.

**Selected Bibliography**

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- N. S. Buchanan, R. L. Hamler, P. E. Leopold, F. R. Miller, D. M. Lubman, "Mass mapping of cancer cell lysates using electrospray time of flight mass spectrometry and Protein Trawler™ automated data processing," *Electrophoresis*, (2005) (1):248-56.
- D.E. Palmer-Toy, D.A. Sarracino, D. Sgroi, P.E. Leopold "Method for analysis of proteins in cells," USPTO patent issued 2003.
- T. Williams, P.E. Leopold, S.M. Musser, "Automated Post-Processing of Electrospray LC/MS Data for Profiling Protein Expression in Bacteria," *Anal. Chem.* (2002) Nov 15.; 74(22): 5807-13.
- P.E. Leopold and D.E. Palmer-Toy "Mass Spectrometry" in *Clinical Chemistry*, K. Lewandrowski, ed. Lippincott, Williams & Wilkins, Chapter 27, 2002.
- S.C. Smole, L. A. King, P. E. Leopold, R.D. Arbeit, "Sample Preparation of gram-positive bacteria for identification by matrix assisted laser desorption/ionization time-of-flight mass spectrometry," *J. Microbiol. Meth.* 48 (2002) 107-115.
- G. C. Conway, S. C. Smole, D. A Sarracino, R. D. Arbeit, P. E. Leopold, "Phyloproteomics: Species Identification of Enterobacteriaceae using matrix assisted laser desorption time-of flight," *J. Mol. Microbiol. Biotechnol.*, 2001, 3(1) 103-112.
- D.E. Palmer-Toy, D. A. Sarracino, D. Sgroi, R. LeVangie, P.E. Leopold, "Direct acquisition of matrix-assisted laser Desorption/Ionization time-of-flight mass spectra from laser capture microdissected tissues," *Clin. Chem.*, 2000, 46(9), 1513-6.
- P.E. Leopold, E.I Shaknovich "Protein Folding kinetics in the dense phase," in *Proceedings of the 26th Annual Hawaii International Conference on System Sciences: Architecture and Biotechnology*, ed. T.N. Mudge, V. Milutinovic, L. Hunter, (1993), 1, 726-735.
- P.E. Leopold, M. Montal, J.N. Onuchic "Protein folding funnels: a kinetic approach to the sequence-structure relationship." *Proc Natl Acad Sci U S A* (1992) 89(18), 8721-5.

**Patents**

- D.E. Palmer-Toy, D. A. Sarracino, D. Sgroi, P.E. Leopold, "Methods and apparatus for cell analysis," USPTO #6,531,318 (2003.)