
BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Henry Rodriguez	Director, Office of Cancer Clinical Proteomics Research

INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
Johns Hopkins University, Baltimore, MD	M.B.A.	2003	Finance and Management
Boston University, Boston, MA	Ph.D.	1992	Cell and Molecular Biology
Florida International University, Miami, FL	M.S.	1988	Toxicology
Florida International University, Miami, FL	B.S.	1986	Biology/Chemistry

PROFESSIONAL EXPERIENCE:

- 2006-present **Director**, Office of Cancer Clinical Proteomics Research, National Cancer Institute, National Institutes of Health; Bethesda, Maryland
- 2016-present **Visiting Scholar (Professor)**, Academia Sinica, Taipei, Taiwan
- 2004-2006 **Director**, Cell & Tissue Measurements Group, National Institute of Standards and Technology; Gaithersburg, Maryland
- 2003-2004 **Program/Policy Analyst**, Office of the Director, National Institute of Standards and Technology; Gaithersburg, Maryland
- 2000-2004 **Director**, Tissue Engineering program, National Institute of Standards and Technology; Gaithersburg, Maryland
- 1998-2004 **Principal Investigator**, DNA Damage and Repair program, National Institute of Standards and Technology; Gaithersburg, Maryland
- 1993-1998 **Fellow**, Department of Medical Oncology, City of Hope Cancer Center; Duarte, California
- 1992-1993 **Fellow**, Department of Immunology, The Scripps Research Institute; La Jolla, California

SCIENTIFIC JOURNAL BOARDS

Editorial Board

- *Scientific Data, Nature Publishing Group (2013-present)*
- *Clinical Proteomics (2011-present)*
- *Annals of Laboratory Medicine (2009-present)*

Editorial Advisory Board

- *Journal of Proteome Research (2007-present)*

AWARDS AND HONORS (TOTAL: 34):

- 2016 Director's Award (recipient of two awards), National Cancer Institute, NIH
- 2015 Presidential Citation, American Association for Clinical Chemistry
- 2015 Director's Award, National Cancer Institute, NIH
- 2014 Director's Award, National Institutes of Health
- 2013 Outstanding Speaker in Contributions to Continuing Education, American Association for Clinical Chemistry
- 2013 Herbert Wertheim Global Medical Leadership Award, Florida International University
- 2013 Dean's Academy, Florida International University Graduate School

- 2012 Outstanding Service to Clinical Chemistry, American Association for Clinical Chemistry
- 2011 Director's Award, National Cancer Institute, NIH
- 2010 Leveraging/Collaboration Award –U.S. Food and Drug Administration
- 2009 Alumnus Member of the Epsilon of Florida Chapter of Phi Beta Kappa, Florida International University
- 2008 Distinguished Alumni Torch Award, Florida International University
- 2007 Technology Transfer Award, National Institutes of Health
- 2007 Proteomics Pioneer Award, *GenomeWeb Magazine*
- 2007 Top Minority in Research Award, *Science Spectrum Magazine*
- 2003 President, Oxidative Stress and Aging Association
- 2002 President, Oxygen Club of Greater Washington, D.C.
- 2002 Alumni Honor Roll of the MARC/MBRS programs, National Institute of General Medical Sciences, NIH
- 2001 Young Investigator Award, Sigma Xi - The Scientific Research Society.
- 2001 Proclamation Letter from the Governor of Hawaii
- 2001 President-Elect, Oxygen Club of Greater Washington, D.C.
- 1997 Certificate of Appreciation, City of Hope Hospital/Beckman Research Institute
- 1997 Scientific Poster Award, American Association for Clinical Chemistry Conference: Nucleic Acid Technology: The Cutting Edge of Discovery
- 1997 NATO ASI Travel Award, NATO Scientific and Environmental Affairs Division. Conference: DNA Damage and Repair: Oxygen Radical Effects, Cellular Protection and Biological Consequences
- 1997 Minority Scholar Award in Cancer Research, American Association for Cancer Research
- 1996 Scientific Poster Award, American Association for Clinical Chemistry Conference: Nucleic Acids: Integrating Molecular Diagnosis and Therapy
- 1996 Focus on Excellence Award, City of Hope Hospital/Beckman Research Institute
- 1995 Focus on Excellence Award, City of Hope Hospital/Beckman Research Institute
- 1993 Postdoctoral Fellowship, National Institutes of Health
- 1992 BioPhysics Research Training Grant, Boston University
- 1988 Educational Scholarship Award, Boston University
- 1986 Minority Biomedical Research Support Grant, National Institutes of Health
- 1984 Minority Undergraduate Research Fellowship, National Institutes of Health

PUBLICATIONS:

- 119 accepted papers in peer-reviewed journals
- 1 text book (publisher's "Bestsellers List")

Text Books

1. Critical Reviews of Oxidative Stress and Aging: Advances in Basic Science, Diagnostics and Intervention, Eds. Richard G. Cutler and Henry Rodriguez. World Scientific Publishing Company, 2-volume set, 1700 pages, January 2003. (*Publisher's Bestsellers list*)

Papers in Peer-Reviewed Journals and Books

1. Rodriguez, H. and Murison, G.L. (1990) Genotoxicity of 1-nitropyrene and 2,4,7-trinitro-9-fluorenone to mammalian cells. *Mutation Res.* 101:73-81.
2. Rodriguez, H., Snow, E.T., Bhat, U. and Loechler, E.L. (1992) An Escherichia coli plasmid-based system in which supF mutants are selectable: Insertion elements dominate the spontaneous spectra. *Mutation Res.* 270:219-231.
3. Gill, R.D., Rodriguez, H., Cortez, C., Harvey, R.G., Loechler, E.L. and DiGiovanni, J. (1993) Mutagenic specificity of the (+)-anti-diol epoxide of dibenz[a,j]anthracene in the supF gene of an Escherichia coli plasmid. *Molecular Carcinogenesis* 8:145-154.
4. Rodriguez, H. and Loechler, E.L. (1993) Mutational specificity of the (+)-anti-diol-epoxide of benzo[a]pyrene in a supF gene of an Escherichia coli plasmid: DNA sequence context influences hot-spots, mutagenic specificity, and the extent of SOS enhancement of mutagenesis. *Carcinogenesis* 14:373-383.
5. Rodriguez, H. and Loechler, E.L. (1993) Mutagenesis by the (+)-anti-diol-epoxide of benzo[a]pyrene: Does adduct conformation control mutagenic specificity? *Biochemistry* 32:1759-1769.
6. Rodriguez, H. and Loechler, E.L. (1995) Are base substitution and frameshift mutagenesis pathways interrelated? An analysis based upon studies of the frequencies and specificities of mutations induced by the (+)-anti-diol epoxide of benzo[a]pyrene. *Mutation Res.* 326:29-37.
7. Rodriguez, H., Drouin, R., Holmquist, G.P., O'Connor, T., Boiteux, S., Laval, J., Doroshow, J.H. and Akman, S.A. (1995) Mapping of copper/hydrogen peroxide-induced DNA damage at nucleotide resolution in human genomic DNA by Ligation Mediated-Polymerase Chain Reaction. *J. Biol. Chem.* 270:17633-17640.
8. Drouin, R.; Rodriguez, H.; Gao, S-W.; Gebreyes, Z.; O'Connor, T.R.; Holmquist, G.P.; Akman, S.A. (1996) Cupric ion/ascorbate/hydrogen peroxide-induced DNA damage: DNA-bound copper ion primarily induces base modifications. *Free Radic. Biol. Med.* 21:261-273.
9. Drouin, R., Rodriguez, H., Holmquist, G.P., and Akman, S.A. (1996) Ligation-mediated PCR for analysis of oxidative DNA damage. In: Technologies for Detection of DNA Damage and Mutations, (Ed., G.P. Pfeifer) Plenum Press, New York, NY, pp. 211-225.
10. Rodriguez, H., Drouin, R., Holmquist, G.P. and Akman, S.A. (1997) A hot spot for hydrogen peroxide-induced damage in the human hypoxia-inducible factor 1 binding site of the PGK1 gene. *Arch. Biochem. Biophys.* 338:207-212.
11. Jackson, J.H., Vollenweider, M., Hill, J., Rodriguez, H., Schwabacher, A.W. and Kuo, C-Y. (1997) Stimulated human leukocytes cause activating mutations in the K-ras proto-oncogene. *Oncogene* 14:2803-2808.
12. Rodriguez, H., Holmquist, G.P., D'Agostino, Jr., R., Keller, J. and Akman, S.A. (1997) Metal ion-dependent hydrogen peroxide-induced DNA damage is more sequence specific than metal specific. *Cancer Res.* 57:2394-2403.
13. Rodriguez, H. and Akman, S.A. (1998) Large scale isolation of genes as DNA fragment lengths by continuous elution electrophoresis through an agarose matrix. *Electrophoresis* 19:646-652.
14. Valentine, M.R., Rodriguez, H. and Termini, J.T. (1998) Mutagenesis by peroxy radical is dominated by transversions at deoxyguanosine: Evidence for the lack of involvement of 8-oxodG and/or abasic formation. *Biochemistry* 37:7030-7038.
15. Akman, S.A., Drouin, R., Holmquist, G.P., and Rodriguez, H. (1998) Mapping reactive oxygen-induced DNA damage at nucleotide resolution. In: Advances in DNA Damage and Repair: Oxygen Radical Effects, Cellular Protection and Biological Consequences, (Ed., M. Dizdaroglu) Kluwer Academic/Plenum Publishers, New York, NY, pp. 1-17.
16. Rodriguez, H. and Akman, S.A. (1998) Application of genomic gene enrichment for enhancing the sensitivity of the ligation-mediated polymerase chain reaction. In: DNA & Free Radicals: Techniques, Mechanisms and Applications, (Eds. O. Aruoma and B. Halliwell) OICA International, London, Great Britain, pp. 181-193.

17. Rodriguez, H. and Akman, S.A. (1998) Preparative-scale isolation of multiple genes by agarose-based continuous elution electrophoresis. *Eur. J. Lab. Med.* 6:150-155.
18. Rodriguez, H. and Akman, S.A. (1998) Mapping oxidative DNA damage at nucleotide level. *Free Radic. Res.* 29:499-510.
19. Rodriguez, H. (1999) Nucleic Acid-Based Technologies: DNA/RNA/PNA Diagnostics (Review). *Current Drugs* 27:21-24.
20. Rodriguez, H. and Akman, S.A. (1999) Measurement of oxidative DNA damage in the human p53 and pgk1 gene at nucleotide resolution. *Ann. N.Y. Acad. Sci.* 893:382-385.
21. Rodriguez, H., Valentine, M.R., Holmquist, G.P., Akman, S.A. and Termini, J.T. (1999) Mapping of peroxy radical induced damage on genomic DNA. *Biochemistry* 38:16578-16588.
22. Rodriguez, H., Akman, S.A., Holmquist, G.P., Wilson, G.L., Wesley, J.D. and LeDoux, S.P. (2000) Mapping oxidative DNA damage using ligation-mediated polymerase chain reaction technology. *Methods* 22:148-156.
23. Rodriguez, H., O'Connor, T. and Akman, S.A. (2000) Mapping Oxidative DNA Damage and Mechanisms of Repair. *Ann. N.Y. Acad. Sci.* 899:88-102.
24. Rodriguez, H. and Akman, S.A. (2000) Mapping Reactive Oxygen-Induced DNA Damage at Nucleotide Resolution. In: Measuring *In Vivo* Oxidative Damage: A Practical Approach, (Eds. Lunec and Griffiths), John Wiley and Sons, LTD., pp. 125-142.
25. Dizdaroglu, M., Bauche, C., Rodriguez, H., Laval, J. (2000) Novel substrates of *E. coli* Nth protein and its kinetics for excision of modified bases from oxidatively damaged DNA. *Biochemistry* 39:5586-5592.
26. Rodriguez, H., Jurado, J., Laval, J., Dizdaroglu, M. (2000) Comparison of the levels of 8-hydroxyguanine in DNA as measured by gas chromatography-mass spectrometry following hydrolysis of DNA by *E. coli* Fpg protein or formic acid. *Nucleic Acids Res.* 28:E75.
27. Dizdaroglu, M., Jaruga, P., Rodriguez, H. (2001) Measurement of 8-hydroxy-2'-deoxyguanosine in DNA by high-performance liquid chromatography-mass spectrometry: comparison with measurement by gas chromatography-mass spectrometry. *Nucleic Acids Res.* 29:E12.
28. Sinibaldi, R., O'Connell, C., Seidel, C. and Rodriguez, H. (2001) Gene Expression Analysis on Medium-Density Oligonucleotide Arrays. *Methods in Molecular Biology* 270:211-222.
29. Dizdaroglu, M., Jaruga, P., Rodriguez, H. (2001) Identification and quantification of 8,5'-cyclo-2'-deoxyadenosine in DNA by liquid chromatography-mass spectrometry. *Free Radic. Biol. Med.* 30:774-784.
30. Jaruga, P., Rodriguez, H., Dizdaroglu, M. (2001) Measurement of 8-hydroxy-2'-deoxyadenosine in DNA by liquid chromatography/mass spectrometry. *Free Radic. Biol. Med.* 31:336-344.
31. Dizdaroglu, M., Burgess, S.M., Jaruga, P., Hazra, T.K., Rodriguez, H., Lloyd, R.S. (2001) Substrate specificity and excision kinetics of *Escherichia coli* endonuclease VIII (Nei) for modified bases in DNA damaged by free radicals. *Biochemistry* 40:12150-12156.
32. Tuo, J., Müftüoglu, M., Chen, C., Jaruga, P., Selzer, R.P., Brosh, Jr., R.M., Rodriguez, H., Dizdaroglu, M., and Bohr, V.A. (2001) The Cockayne Syndrome group B gene product is involved in general genome base excision repair of 8-hydroxyguanine in DNA. *J. Biol. Chemistry* 276:45772-45779.
33. Jaruga, P., Jabil, R., McCullough, A. K., Rodriguez, H., Dizdaroglu, M. and Lloyd, R. S. (2002) Chlorella virus pyrimidine dimer glycosylase excises ultraviolet radiation- and hydroxyl radical-induced products 4,6-diamino-5-formamidopyrimidine and 2,6-diamino-4-hydroxy-5-formamidopyrimidine from DNA. *Photochem. Photobiol.* 75:85-91.
34. Jaruga, P., Birincioglu, M., Rodriguez, H. and Dizdaroglu, M. (2002) Mass spectrometric assays for the tandem lesion 8,5'-cyclo-2'-deoxyguanosine in mammalian DNA. *Biochemistry* 41:3703-3711.

35. Dizdaroglu, M., Jaruga, P., Birincioglu, M. and Rodriguez, H. (2002) Free radical-induced damage to DNA: Mechanisms and measurement. *Free Radic. Biol. Med.* 32:1102-1115.
36. Rodriguez, H., Birincioglu, M., O'Connell, C., Barker, P.E., Jaruga, P., and Dizdaroglu, M. Biomarkers of oxidative DNA damage in tissue-engineered skin measured by LC/MS and GC/MS technology. In: *Biomedical Engineering: Recent Developments*. J Vossoughi (Editor), ISBN: 1-930636-01-6, 2002 Medical and Engineering Publishers, Inc. pp. 137-138.
37. Rodriguez, H., Marino, M., McAndrew, P., Atha, D.H., Jaruga, P., Birincioglu, M., Barker, P.E., and O'Connell, C. Biomarkers of TP53 mutation and Y-chromosome loss used to detect cellular/genetic damage in tissue-engineered skin. In: *Biomedical Engineering: Recent Developments*. J Vossoughi (Editor), ISBN: 1-930636-01-6, 2002 Medical and Engineering Publishers, Inc., pp. 135-136.
38. Tuo, J., Jaruga, P., Rodriguez, H., Dizdaroglu, M., and Bohr, V.A. (2002) The Cockayne Syndrome group B gene product is involved in cellular repair of 8-hydroxyadenine in DNA. *J. Biol. Chemistry* 277:30832–30837.
39. O'Connor, T.R., Chen, H-H., Dai, S-M., Flanagan, S.D., Akman, S.A., Holmquist, G.P., Rodriguez, H. and Riggs, A.D. (2003) Mapping Oxidative Damage to DNA at Nucleotide Resolution in Mammalian Cells. In: *Critical Reviews of Oxidative Stress and Aging: Advances in Basic Science, Diagnostics and Intervention* (Eds. R. Cutler and H. Rodriguez). World Scientific Publishing, pp. 257-274.
40. Dizdaroglu, M., Jaruga, P., Rodriguez, H. (2003) Oxidative Damage to DNA: Mechanisms of Product Formation and Measurement by Mass Spectrometric Techniques. In: *Critical Reviews of Oxidative Stress and Aging: Advances in Basic Science, Diagnostics and Intervention* (Eds. R. Cutler and H. Rodriguez). World Scientific Publishing, pp. 165-189.
41. Rodriguez, H. and Banks, D.A. (2003) Advisability of Human Life Span Extension: Economic Considerations. In: *Critical Reviews of Oxidative Stress and Aging: Advances in Basic Science, Diagnostics and Intervention* (Eds. R. Cutler and H. Rodriguez). World Scientific Publishing, pp. 1513-1523.
42. Morales-Ruiz, T., Birincioglu, M., Jaruga, P., Rodriguez, H., Roldan-Arjona, T., and Dizdaroglu, M. (2003) Arabidopsis thaliana Ogg1 protein excises 8-hydroxyguanine and 2,6-diamino-4-hydroxy-5-formamidopyrimidine from oxidatively damaged DNA containing multiple lesions. *Biochemistry* 42:3089-3095.
43. Tuo, J., Jaruga, P., Rodriguez, H., Bohr, V.A. and Dizdaroglu, M. (2003) Primary fibroblasts of Cockayne syndrome patients are defective in the cellular repair of 8-hydroxyguanine and 8-hydroxyadenine resulting from oxidative stress. *FASEB J.* 17:668-674.
44. Manderville, R.A., Calcutt, M.W., Dai, J., Park, G., Gillman, I.G., Noftle, R.E., Mohammed, A.K., Dizdaroglu, M., Rodriguez, H., and Akman, S.A. (2003) Stoichiometric preference in copper-promoted oxidative DNA damage by Ochratoxin A. *J. of Inorganic Biochemistry* 95:87-96.
45. Shirkey, B., Bates, N., Smith, S. C., Wright, D. J., Rodriguez, H., Jaruga, P., Birincioglu, M., Helm, R. F., and Potts, M. (2003) Genomic DNA of *Nostoc commune* (Cyanobacteria) becomes covalently modified during long-term (decades) desiccation but is protected from oxidative damage and degradation. *Nucleic Acids Res.* 31:2995-3005.
46. Rodriguez, H., O'Connell, C., Barker, P. E., Atha, D. H., Jaruga, P., Birincioglu, M., Marino, M., McAndrew, P., and Dizdaroglu, M. (2003) Biomarkers to detect molecular changes in tissue-engineered medical products. *BioProcessing* 2:65-66.
47. O'Connell, C., Barker, P.E., Marino, M., McAndrew, P., Atha, D.H., Jaruga, P., Birincioglu, M., Dizdaroglu, M., and Rodriguez, H. (2003) Biomarkers used to detect genetic damage in tissue engineered skin. In: *Tissue Engineering, Stem Cells and Gene Therapies*. Book Series: *Advances in Experimental Medicine and Biology*, Vol. 534, Y. Murat Elcin (Editor), Kluwer Academic-Plenum Press, pp. 137-145.
48. Rodriguez, H., Jaruga, P., Birincioglu, M., Barker, P.E., O'Connell, C., and Dizdaroglu, M. (2003) Oxidative DNA damage biomarkers used in tissue engineered skin. In: *Tissue Engineering, Stem Cells and Gene Therapies*. Book

Series: Advances in Experimental Medicine and Biology, Vol. 534, Y. Murat Elcin (Editor), Kluwer Academic-Plenum Press, pp. 129-135.

49. Birincioglu, M., Jaruga, P., Chowdhury, G., Rodriguez, H., Dizdaroglu, M., and Gates, K. S. (2003) DNA base damage by the antitumor agent 3-amino-1,2,4-benzotriazine 1,4-dioxide (Tirapazamine). *J. Amer. Chem. Soc.* 125:11607-11615.
50. Reddy, P., Jaruga, P., O'Connor, T., Rodriguez, H. and Dizdaroglu, M. (2004) Overexpression and rapid purification of *Escherichia coli* formamidopyrimidine DNA glycosylase (Fpg). *Protein Expression and Purification* 34:126-133.
51. Rodriguez, H., Jaruga, P., Birincioglu, M., Barker, P., O'Connell, C., and Dizdaroglu, M. (2004) A Comparative Study of Biomarkers of Oxidative DNA Damage Used to Detect Free Radical Damage in Tissue-Engineered Skin. In: Tissue Engineered Medical Products (TEMPS), STP 1452, E. Schutte, D. Kaplan, G.L. Picciolo, ASTM International, pp. 84-89.
52. O'Connell, C., Barker, P.E., Marino, M., McAndrew, P., Atha, D.H., Jaruga, P., Birincioglu, M., and Rodriguez, H. (2004) Molecular Biomarkers Used to Detect Cellular/Genetic Damage in Tissue-Engineered Skin. In: Tissue Engineered Medical Products (TEMPS), STP 1452, E. Schutte, D. Kaplan, G.L. Picciolo, ASTM International, pp. 246-253.
53. Rodriguez, H., O'Connell, C., Barker, P.E., Atha, D.H., Jaruga, P., Birincioglu, M., Marino, M., McAndrew, P. and Dizdaroglu, M. (2004) Measurement of DNA Biomarkers for the Safety of Tissue-Engineered Medical Products Using Artificial Skin as a Model. *Tissue Engineering* 10:1332-1345.
54. Lim, P., Wuenschell, G.E., Holland, V., Lee, D-H., Pfeifer, G.P., Rodriguez, H. and Termini, J. (2004) Peroxyl Radical Mediated Oxidative DNA Base Damage: Implications for Lipid Peroxidation Induced Mutagenesis. *Biochemistry* 43:15339-15348.
55. Rodriguez, H. and Case, D. (2004) Epidemiology of Cancer: An Overview. In: Phytopharmaceuticals in Cancer Chemoprevention. Debasis Bagchi (Editor), CRC Press, pp. 3-14.
56. Rodriguez, H. (2005) Technologies and Standards Used in the Measurement of DNA Biomarkers for the Safety of Tissue-Engineered Medical Products. *American Pharmaceutical Review*. July/August issue, Vol. 8, Issue 4, pp. 67-70.
57. Bhat, T.N., Tewari, Y.B., Rodriguez, H., Goldberg, R.N. (2005) HIV Structural and Biothermodynamics Databases: A Resource for the Pharmaceutical and Biotechnology Industry. *Proceedings of the IEEE Computational Systems Bioinformatics Conference*, pp. 39-40.
58. Prasanna, M.D., Vondrasek, J., Wlodawer, A., Rodriguez, H., Bhat, T.N. (2006) Chemical Compound Navigator: A Web-based Chem-BLAST Search Engine for Browsing Compounds. *Proteins* Jun 1;63(4):907-17.
59. Rodriguez, H., Jaruga, J., Leber, D., Nyaga, S.G., Evans, M.K., Dizdaroglu, M. (2007) Lymphoblasts of Women with BRCA1 Mutations are Deficient in Cellular Repair of 8,5'-Cyclopurine-2'-deoxynucleosides and 8-Hydroxy-2'-deoxyguanosine. *Biochemistry*. 46:2488-2496.
60. Taylor, C., Field, D., Sansone, S-A., Aerts, J., Apweiler, R., Ashburner, M., Ball, C.A., Binz, P-A., Bogue, M., Booth, T., Brazma, A., Brinkman, R.R., Clark, A.M., Deutsch, E.W., Fiehn, O., Fostel, J., Ghazal, P., Gibson, F., Gray, T., Grimes, G., Hancock, J.M., Hardy, N.W., Hermjakob, H., Julian, R.K., Kane, M., Kettner, C., Kinsinger, C., Kolker, E., Kuiper, M., Novère, N.L., Leebens-Mack, J., Lewis, S.E., Lord, P., Mallon, A-M., Marthandan, N., Masuya, H., McNally, R., Mehrle, A., Morrison, N., Orchard, S., Quackenbush, J., Reecy, J.M., Robertson, D.G., Rocca-Serra, P., Rodriguez, H., Rosenfelder, H., Santoyo-Lopez, J., Scheuermann, R.H., Schober, D., Smith, B., Snape, J., Stoeckert, C.J., Tipton, K., Sterk, P., Untergasser, A., Vandesompele, J., Wiemann, S. (2008) Promoting Coherent Minimum Reporting Requirements for Biological and Biomedical Investigations: The MIBBI Project. *Nature Biotechnology*. 26(8): 889-896.
61. Rodriguez, H. (2008) International Summit on Proteomics Data Release and Sharing Policy. *Journal of Proteome Research*. Vol. 7 (11), 4609-4609.
62. Ritchie, J. and Rodriguez, H. (2009) Proteomics Is There a Role for Clinical Labs Now? *American Association for Clinical Chemistry – Clinical Laboratory News*. Vol. 35 (2), 12-14.

63. Rodriguez, H. Complimentary Fields of Genomics and Proteomics are Cornerstone of Personalized Medicine. (2009). *Drug Discovery News*. March, p.13.
64. Rodriguez, H. Proteomics: The Long and Windy Road to Medical Diagnostics. (2009) *Expert Opinion on Medical Diagnostics*. Vol. 3(3), 219-225.
65. Rodriguez, H., Snyder, M., Uhlén, M., Andrews, P., Beavis, R., Borchers, C., Chalkley, R.J., Cho, S.Y., Cottingham, K., Dunn, M., Dylag, T., Edgar, R., Hare, P., Heck, A.J.R., Hirsch, R.F., Kennedy, K., Kolar, P., Kraus, H.J., Mallick, P., Nesvizhskii, A., Ping, P., Pontén, F., Yang, L., Yates, J.R., Stein, S.E., Hermjakob, H., Kinsinger, C.R., Apweiler, R. (2009) Recommendations from the 2008 International Summit on Proteomics Data Release and Sharing Policy – The Amsterdam Principles. *Journal of Proteome Research*. 8:3689–3692.
66. Addona, T., Abbatangelo, S.E., Skates, S.J., Bunk, D.M., Schilling, B., Spiegelman, C.H., Zimmerman, L.J., Ham, A-J.L., Keshishian, H., Hall, S.C., Allen, S., Anderson, N.L., Blackman, R.K., Borchers, C.H., Buck, C., Cardasis, H.L., Cusack, M.P., Dodder, N.G., Gibson, B.W., Held, J.M., Hiltke, T., Jackson, A., Johansen, E.B., Kinsinger, C.R., Li, J., Mani, D.R., Mesri, M., Neubert, T.A., Niles, R.K., Paulovich, A.G., Pulsipher, T.C., Rodriguez, H., Rudnick, P.A., Smith, D., Tabb, D.L., Tegeler, T.J., Variyath, A.M., Vega-Montoto, L.J., Wahlander, A., Waldemarson, S., Wang, M., Whiteaker, J.R., Fisher, S.J., Liebler, D.C., Regnier, F.E., Tempst, P., Carr, S.A., CPTAC Network. (2009) Multi-site Assessment of the Precision and Reproducibility of Multiple Reaction Monitoring-based Measurements of Proteins in Plasma. *Nature Biotechnology*. Jul;27(7):633-644.
67. Gloriam, D.E., Orchard, S., Bertinetti, D., Björling, E., Bongcam-Rudloff, E., Bourbeillon, J., Bradbury, A.R., de Daruvar, A., Dübel, S., Frank, R., Gibson, T.J., Haslam, N., Herberg, F.W., Hiltke, T., Hoheisel, J.D., Kerrien, S., Koegl, M., Konthur, Z., Korn, B., Landegren, U., van der Maarel, S., Montecchi-Palazzi, L., Palcy, S., Rodriguez, H., Schweinsberg, S., Sievert, V., Stoevesandt, O., Taussig, M.J., Uhlen, M., Wingren, C., Woppard, P., Sherman, D.J., Hermjakob, H. (2009) A Community Standard Format for the Representation of Protein Affinity Reagents. *Mol. Cellular Proteomics*, 9:1-10.
68. Rodriguez, H. Restructuring Proteomics to Enable Personalized Cancer Care. (2009) *Drug Discovery World*, August, p. 17-22.
69. Rodriguez, H., Težak, Z., Mesri, M., Carr, S.A., Liebler, D.C., Fisher, S.J., Tempst, P., Hiltke, T., Kessler, L.G., Kinsinger, C.R., Philip, R., Ransohoff, D.F., Skates, S.J., Regnier, F.E., Anderson, N.L., Mansfield, E., on behalf of the Workshop Participants. (2010) Analytical Validation of Protein-Based Multiplex Assays: A Workshop Report by the NCI-FDA Interagency Oncology Task Force on Molecular Diagnostics. *Clinical Chemistry*. Jan;56(2):237-243.
70. Regnier, F.E., Skates, S.J., Mesri, M., Rodriguez, H., Težak, Z., Kondratovich, M.V., Alterman, M.A., Levin, J.D., Roscoe, D., Reilly, E., Callaghan, J., Kelm, K., Brown, D., Philip, R., Carr, S.A., Liebler, D.C., Fisher, S.J., Temps, P., Hiltke, T., Kessler, L.G., Kinsinger, C.R., Ransohoff, D.F., Mansfield, E., Anderson, N.L. (2010) Protein-Based Multiplex Assays: Mock Presubmissions to the U.S. Food and Drug Administration. *Clinical Chemistry*. Jan;56(2):165-171.
71. Rudnick, P.A., Clouser, K.R., Kilpatrick, L.E., Tchekhovskoi, D.V., Neta, P., Blonder, N., Billheimer, D.D., Blackman, R.K., Bunk, D.M., Cardasis, H.L., Ham, A-J.L., Jaffe, J.D., Kinsinger, C.R., Mesri, M., Neubert, T.A., Schilling, B., Tabb, D.L., Tegeler, T.J., Vega-Montoto, L., Variyath, A.M., Wang, M., Wang, P., Whiteaker, J.R., Zimmerman, L.J., Carr, S.A., Fisher, S.J., Gibson, B.W., Paulovich, A.G., Regnier, F.E., Rodriguez, H., Spiegelman, C., Tempst, P., Liebler, D.C., and Stein, S.E. (2010) Performance Metrics for Evaluating Liquid Chromatography-Tandem Mass Spectrometry Systems in Shotgun Proteomics. *Mol. Cellular Proteomics*, 9.2:255-241.
72. Tabb, D.L., Vega-Montoto, L., Rudnick, P.A., Variyath, A.M., Ham, A-J.L., Bunk, D.M., Kilpatrick, L.E., , Billheimer, D.D., Blackman, R.K., Cardasis, H.L., Carr, S.A., Clouser, K.R., Jaffe, J., Kowalski, K.A., Neubert, T.A., Regnier, F.E., Schilling, B., Tegeler, T.J., Wang, M., Wang, P., Whiteaker, J.R., Zimmerman, L.J., Fisher, S.J., Gibson, B.W., Kinsinger, C.R., Mesri, M., Rodriguez, H., Stein, S.E., Tempst, P., Paulovich, A.G., Liebler, D.C., Spiegelman, C. (2010) Repeatability and Reproducibility in Proteomic Identifications by Liquid Chromatography - Tandem Mass Spectrometry. *J Proteome Res*. Feb 5;9(2):761-776.

73. Paulovich, A.G., Billheimer, D.D., Ham, A-J.L., Vega-Montoto, L., Rudnick, P.A., Tabb, D.L., Wang, P., Blackman, R.K., Bunk, D.M., Cardasis, H.L., Clauser, K.R., Kinsinger, C.R., Schilling, B., Tegeler, T.J., Variyath, A.M., Wang, M., Whiteaker, J.R., Zimmerman, L.J., Carr, S.A., Fisher, S.J., Gibson, B.W., Mesri, M., Neubert, T.A., Regnier, F.E., Rodriguez, H., Spiegelman, C., Stein, S.E., Tempst, P., Liebler, D.C. (2010) Interlaboratory Study Characterizing a Yeast Performance Standard for Benchmarking LC-MS Platform Performance. *Mol. Cellular Proteomics*. Feb;9(2):242-54.
74. Rodriguez, H. Building a Better Protein Biomarker Pipeline. (2010) *Applied Clinical Trials*. May: 6-10.
75. Rodriguez, H., Andrews, P.C., Kinsinger, C. Share the Data: Making Large-Scale Proteomics Data Widely Available. (2010) *BioIT World* Aug. 26.
76. Bourbeillon, J., Orchard, S., Benhar, I., Borrebaeck, C., de Daruvar, A., Dübel, S., Frank, R., Gibson, F., Gloriam, D., Haslam, N., Hiltke, T., Humphrey-Smith, I., Hust, M., Juncker, D., Koegl, M., Konthur, Z., Korn, B., Krobitsch, S., Muyllemans, S., Nygren, P., Palcy, S., Polic, B., Rodriguez, H., Sawyer, A., Schlapshy, M., Snyder, M., Stoevesandt, O., Taussig, M.J., Templin, M., Uhlen, M., van der Maarel, S., Wingren, C., Hermjakob, H., Sherman, D. (2010) Minimum Information about a Protein Affinity Reagent (MIAPAR). *Nature Biotechnology*. V. 28 ; 650–653.
77. Rodriguez, H. (2010) Fast-Tracking Personalized Medicine: The New Proteomics Pipeline. *R&D Directions*. April. (contributed editorial)
78. Rodriguez, H., Rivers, R., Kinsinger, C., Mesri, M., Hiltke, T., Rahbar, A., Boja, E. (2010) Reconstructing the Pipeline by Introducing Multiplexed Multiple Reaction Monitoring Mass Spectrometry for Cancer Biomarker Verification: An NCI-CPTC Initiative Perspective. *Proteomics - Clinical Applications*. V. 4; 904-914.
79. Boja, E., Rivers, R., Kinsinger, C., Mesri, M., Hiltke, T., Rahbar, A., Rodriguez, H. Restructuring Proteomics through Verification. (2010) *Biomarkers in Medicine-Future Medicine*. 4(6), 799–803.
80. Mesri, M., Kinsinger, K., Boja, E., Hiltke, T., Rahbar, A., Rivers, R., Rodriguez, H. (2010) A Synopsis of the 3rd Annual Cancer Proteomics Conference. *Expert Reviews Proteomics*. 7(6), 815-817.
81. Rahbar, A., Rivers, R., Boja, E., Kinsinger, C., Mesri, M., Hiltke, T., Rodriguez, H. (2011) Realizing Individualized Medicine: The Road to Translating Proteomics from the Laboratory to the Clinic. *Personalized Medicine*. 8(1), 45-57.
82. Boja, E. and Rodriguez, H. The Path to Clinical Proteomics Research: Integration of Proteomics, Genomics, Clinical Laboratory and Regulatory Science. (2011) *The Korean Journal of Laboratory Medicine*. 31(2), 61-71.
83. Boja, E., Hiltke, T., Rivers, R., Kinsinger, C., Rahbar, A., Mesri, M., Rodriguez, H. Evolution of Clinical Proteomics and its Role in Medicine. (2011) *Journal of Proteome Research*. 10, 66–84.
84. Boja, E., Jortani, S., Ritchie, J., Hoofnagle, A., Težak, Z., Mansfield, E., Keller, P., Rivers, R., Rahbar, A., Anderson, N.L., Rivers, R., Srinivas, P., Rodriguez, H. The Journey to Regulation of Protein-Based Multiplex Quantitative Assays. (2011) *Clinical Chemistry*. 57(4), 560-567.
85. Boja, E. and Rodriguez, H. Regulatory Considerations for Clinical Mass Spectrometry: Multiple Reaction Monitoring. (2011) *Clinics in Laboratory Medicine*. 31(3), 443-453.
86. Kinsinger, C., Apffel, J., Baker, M., Bian, X., Borchers, C.H., Bradshaw, R., Brusniak, Mi-Y., Chan, D.W., Deutsch, E., Domon, B., Gorman, J., Grimm, R., Hancock, W.S., Hermjakob, H., Horn, D., Hunter, C.L., Kolar, P., Kraus, H-J., Langen, H., Linding, R., Moritz, R.L., Omenn, G.S., Orlando, R., Pandey, A., Ping, P., Rahbar, A., Rivers, R., Seymour, S., Simpson, R., Slotta, D., Smith, R., Stein, S., Tabb, D.L., Tagle, D., Yates, J.R., Rodriguez, H. Recommendations for Mass Spectrometry Data Quality Metrics for Open Access Data (Corollary to the Amsterdam Principles). (2011) *Mol. Cellular Proteomics*. Dec;10(12):O111.015446. Epub 2011 Nov 3.
87. Kinsinger, C., Apffel, J., Baker, M., Bian, X., Borchers, C.H., Bradshaw, R., Brusniak, Mi-Y., Chan, D.W., Deutsch, E., Domon, B., Gorman, J., Grimm, R., Hancock, W.S., Hermjakob, H., Horn, D., Hunter, C.L., Kolar, P., Kraus, H-J., Langen, H., Linding, R., Moritz, R.L., Omenn, G.S., Orlando, R., Pandey, A., Ping, P., Rahbar, A., Rivers, R., Seymour, S., Simpson, R., Slotta, D., Smith, R., Stein, S., Tabb, D.L., Tagle, D., Yates, J.R., Rodriguez, H. Recommendations for Mass

Spectrometry Data Quality Metrics for Open Access Data (Corollary to the Amsterdam Principles). (2011) *Proteomics Clin. Appl.* 5, 580–589.

88. Kinsinger, C., Appfel, J., Baker, M., Bian, X., Borchers, C.H., Bradshaw, R., Brusniak, Mi-Y., Chan, D.W., Deutsch, E., Domon, B., Gorman, J., Grimm, R., Hancock, W.S., Hermjakob, H., Horn, D., Hunter, C.L., Kolar, P., Kraus, H-J., Langen, H., Linding, R., Moritz, R.L., Omenn, G.S., Orlando, R., Pandey, A., Ping, P., Rahbar, A., Rivers, R., Seymour, S., Simpson, R., Slotta, D., Smith, R., Stein, S., Tabb, D.L., Tagle, D., Yates, J.R., Rodriguez, H. Recommendations for Mass Spectrometry Data Quality Metrics for Open Access Data (Corollary to the Amsterdam Principles). (2012) *Journal of Proteome Research*. Feb 3;11(2):1412-1419. Epub 2011 Dec 8.
89. Kinsinger, C., Appfel, J., Baker, M., Bian, X., Borchers, C.H., Bradshaw, R., Brusniak, Mi-Y., Chan, D.W., Deutsch, E., Domon, B., Gorman, J., Grimm, R., Hancock, W.S., Hermjakob, H., Horn, D., Hunter, C.L., Kolar, P., Kraus, H-J., Langen, H., Linding, R., Moritz, R.L., Omenn, G.S., Orlando, R., Pandey, A., Ping, P., Rahbar, A., Rivers, R., Seymour, S., Simpson, R., Slotta, D., Smith, R., Stein, S., Tabb, D.L., Tagle, D., Yates, J.R., Rodriguez, H. Recommendations for Mass Spectrometry Data Quality Metrics for Open Access Data (Corollary to the Amsterdam Principles). (2012) *Proteomics*. Jan;12(1):11-20. Epub 2011 Dec 14.
90. Boja, E. and Rodriguez, H. Mass Spectrometry-based Targeted Quantitative Proteomics: Achieving Sensitive and Reproducible Detection of Proteins. (2012) *Proteomics*. 12, 1093–1110.
91. Hood LE, Omenn GS, Moritz RL, Aebersold R, Yamamoto KR, Amos M, Hunter-Cevera J, Locascio L; Workshop Participants (Anderson L, Baer T, Banfield J, Beanan M, Beretta L, Boehm J, Boggess M, Britz J, Caprioli R, Carr S, Carter K, Colvis C, Donlon M, Edmonds C, Felsenfeld A, Fenselau C, Fisher S, Gatlin T, Geddes C, Georgevich G, Gold L, Gregurick S, Harlow E, Heath J, Hiltke T, Horrigan S, Hunter-Cevera J, Jackman J, Kappes S, Karkanias J, Katz A, Kiessling L, Kimball D, Kinsinger C, Knepper M, Kraigsley A, LaBaer J, Mansfield B, Mansfield L, McJimpsey E, Michelotti E, Michnick S, Miller K, Mittleman B, Moritz R, May WE, Munson M, Nadler L, Nelson K, Oberoi P, Palmisano A, Paulovich A, Peterson S, Phinney K, Pieper R, Plant A, Roberts M, Rodriguez H, Romine C, Rudnick P, Salit M, Schad P, Schiel J, Sechi S, Sheeley D, Smith R, Srinivas P, Stebbins M, Stein S, Tezak Z, Thompson D, Tsien R, Wang L, Winick W, Wispelwey J, Wu C, Zangmeister R.) New and improved proteomics technologies for understanding complex biological systems: addressing a grand challenge in the life sciences. (2012) *Proteomics*. Sep;12(18):2773-83.
92. Abbatangelo SE, Mani DR, Schilling B, Maclean B, Zimmerman LJ, Feng X, Cusack MP, Sedransk N, Hall SC, Addona T, Allen S, Dodder NG, Ghosh M, Held JM, Hedrick V, Inerowicz HD, Jackson A, Keshishian H, Kim JW, Lyssand JS, Riley CP, Rudnick P, Sadowski P, Shaddox K, Smith D, Tomazela D, Wahlander A, Waldemarson S, Whitwell CA, You J, Zhang S, Kinsinger CR, Mesri M, Rodriguez H, Borchers CH, Buck C, Fisher SJ, Gibson BW, Liebler D, Maccoss M, Neubert TA, Paulovich A, Regnier F, Skates SJ, Tempst P, Wang M, Carr SA. Design, Implementation, and Multi-Site Evaluation of a System Suitability Protocol for the Quantitative Assessment of Instrument Performance in LC-MRM-MS. *Mol Cell Proteomics*. 2013 Sep;12(9):2623-39.
93. Skates SJ, Gillette MA, Labaer J, Carr SA, Anderson L, Liebler DC, Ransohof D, Rifai N, Kondratovich M, Tezak Z, Mansfield E, Oberg AL, Wright I, Barnes G, Gail M, Mesri M, Kinsinger CR, Rodriguez H, Boja ES. Statistical Design for Biospecimen Cohort Size in Proteomics-based Biomarker Discovery and Verification Studies. *J Proteome Res*. 2013 Dec 6;12(12):5383-94.
94. Ellis MJ, Gillette M, Carr SA, Paulovich AG, Smith RD, Rodland KK, Townsend RR, Kinsinger C, Mesri M, Rodriguez H, Liebler DC; Clinical Proteomic Tumor Analysis Consortium (CPTAC). Connecting Genomic Alterations to Cancer Biology with Proteomics: The NCI Clinical Proteomic Tumor Analysis Consortium. *Cancer Discov*. 2013 Oct;3(10):1108-12.
95. Kennedy JJ, Abbatangelo SE, Kim K, Yan P, Whiteaker JR, Lin C, Kim JS, Zhang Y, Wang X, Ivey RG, Zhao L, Min H, Lee Y, Yu M-H, Yang EG, Lee C, Wang P, Rodriguez H, Kim Y, Carr SA, Paulovich AG. Demonstrating the feasibility of large-scale development of standardized assays to quantify human proteins. *Nature Methods*. 2014 Feb;11(2):149-55.

96. Carr SA, Abbatiello SE, Ackermann BL, Borchers C, Domon B, Deutsch EW, Grant RP, Hoofnagle AN, Hüttenhain R, Koomen JM, Liebler DC, Liu T, Maclean B, Mani DR, Mansfield E, Neubert H, Paulovich AG, Reiter L, Vitek O, Aebersold R, Anderson L, Bether R, Blonder J, Boja E, Botelho J, Boyne M, Bradshaw RA, Burlingame AL, Chan D, Keshishian H, Kuhn E, Kinsinger C, Lee J, Lee SW, Moritz R, Oses-Prieto J, Rifai N, Ritchie J, Rodriguez H, Srinivas PR, Townsend RR, Van Eyk J, Whiteley G, Wiita A, Weintraub S. Targeted Peptide Measurements in Biology and Medicine: Best Practices for Mass Spectrometry-based Assay Development Using a Fit-for-Purpose Approach. *Mol Cell Proteomics*. 2014 Mar;13(3):907-17.
97. Mertins P, Yang F, Liu T, Mani DR, Petyuk VA, Gillette MA, Clauser KR, Qiao JW, Gritsenko MA, Moore RJ, Levine DA, Townsend R, Erdmann-Gilmore P, Snider JE, Davies SA, Ruggles KV, Fenyo D, Kitchens RT, Li S, Olvera N, Dao F, Rodriguez H, Chan DW, Liebler D, White F, Rodland KD, Mills GB, Smith RD, Paulovich AG, Ellis M, Carr SA. Ischemia in tumors induces early and sustained phosphorylation changes in stress kinase pathways but does not affect global protein levels. *Mol Cell Proteomics*. 2014 Apr 9.
98. Boja, E and Rodriguez, H. Proteogenomic Convergence for Understanding Cancer Pathways and Networks. *Clinical Proteomics* 2014, 11:22 doi:10.1186/1559-0275-11-22.
99. Meo AD, Diamandis EP, Rodriguez H, Hoofnagle A, Ioannidis J, and Lopez M. What is wrong with clinical proteomics? *Clinical Chemistry*. 2014 May 15. pii: clinchem.2014.225185.
100. Burch JB, Augustine AD, Frieden LA, Hadley E, Howcroft TK, Johnson R, Khalsa PS, Kohanski RA, Li XL, Macchiarini F, Niederehe G, Oh YS, Pawlyk AC, Rodriguez H, Rowland JH, Shen GL, Sierra F, Wise BC. Advances in geroscience: impact on healthspan and chronic disease. *J Gerontol A Biol Sci Med Sci*. 2014 Jun;69 Suppl 1:S1-3. doi: 10.1093/gerona/glu041.
101. Whiteaker JR, Halusa GN, Hoofnagle AN, Sharma V, MacLean B, Yan P, Wrobel JA, Kennedy J, Mani DR, Zimmerman LJ, Meyer MR, Mesri M, Rodriguez H, Clinical Proteomic Tumor Analysis Consortium (CPTAC), Paulovich AG. CPTAC Assay Portal: a repository of targeted proteomic assays. *Nature Methods* 2014 Jun 27;11(7):703-4. doi: 10.1038/nmeth.3002.
102. Zhang B, Wang J, Wang X, Zhu J, Liu Q, Shi Z, Chambers MC, Zimmerman LJ, Shaddox KF, Kim S, Davies SR, Wang S, Wang P, Kinsinger CR, Rivers RC, Rodriguez H, Townsend RR, Ellis MJC, Carr SA, Tabb DL, Coffey RJ, Slebos RJC, Liebler DC, and the NCI CPTAC Investigators. Proteogenomic characterization of human colon and rectal cancer. *Nature*, 2014 Jul 20. doi: 10.1038/nature13438.
103. Boja ES, Fehniger T, Baker MS, Marko-Varga G, Rodriguez H. Analytical Validation Considerations of Multiplex Mass Spectrometry-based Proteomic Platforms for Measuring Protein Biomarkers. *Journal of Proteome Research*, 2014, DOI: 10.1021/pr500753r
104. Marko-Varga G, Baker MS, Boja ES, Rodriguez H, Fehniger T. Biorepository Regulatory Frameworks: Building Parallel Resources that both Promote Scientific Investigation and Protect Human Subjects. *Journal of Proteome Research*, 2014, DOI: 10.1021/pr500475q.
105. Rivers RC, Kinsinger, C, Boja, ES, Hiltke, T, Mesri, M, Rodriguez, H. Linking cancer genome to proteome: NCI's investment into proteogenomics. *Proteomics* (viewpoint article) 2014, 00, 1–4.
106. Boja ES, Kinsinger CK, Rodriguez H and Srinivas P. and on behalf of Omics Integration Workshop Participants. Integration of Omics Sciences to Advance Biology and Medicine. *Clin Proteomics*. 2014; 11(1): 45.
107. Fehniger T, Boja ES, Rodriguez H, Baker MS, Marko-Varga G. Perspective: Four Areas of Engagement Requiring Strengthening in Modern Proteomics Today. *J. Proteome Res.*, 2014, 13 (12), pp 5310–5318.
108. Xu Ze, Wu C; Xie F, Slysz G, Tolić N, Monroe M, Petyuk V, Payne S, Fujimoto G, Moore R, Fillmore T, Schepmoes A, Levine D, Townsend R, Davies S, Li S, Ellis M, Boja E, Rivers R, Rodriguez H, Rodland K, Liu T, Smith R. Comprehensive Quantitative Analysis of Ovarian and Breast Cancer Tumor Peptidomes. *J. Proteome Res.*, 2015, 14 (1), pp 422–433.

109. Abbatiello SE, Schilling B, Mani DR, Zimmerman LJ, Hall SC, MacLean B, Albertolle M, Allen S, Burgess M, Cusack MP, Ghosh M, Hedrick V, Held JM, Inerowicz D, Jackson A, Keshishian H, Kinsinger CR, Lyssand J, Makowski L, Mesri M, Rodriguez H, Rudnick P, Sadowski P, Sedransk N, Shaddox K, Skates SJ, Smith D, Whiteaker JR, Whitwell , Zhang S, Borchers CH, Fisher SJ, Gibson BW, Liebler C, MacCoss MJ, Neubert TA, Paulovich AG, Regnier FE, Tempst P, Carr SA. Large-scale interlaboratory study to develop, analytically validate and apply highly multiplexed, quantitative peptide assays to measure cancer-relevant proteins in plasma. *Mol Cell Proteomics*, 2015 Oct 26. pii: mcp.M114.047480.
110. Ntai I, LeDuc RD, Fellers RT, Gilmore P, Davies S, Malone J, Early BP, Thomas PM, Ellis MJC, Fenyo, D, Boja ES, Rodriguez H, Townsend RR, Kelleher NL. Integrated Bottom-up and Top-down Proteomics of Patient-derived Breast Tumor Xenografts. *Mol Cell Proteomics*, 2015 Oct 26. pii: mcp.M114.047480.
111. Ruggles K, Tang Z, Wang X, Grover H, Askenazi M, Teubl J, Cao S, McLellan M, Clauser K, Tabb D, Mertins P, Slebos R, Erdmann-Gilmore P, Li S, Gunawardena H, Xie L, Liu T, Zhou JY, Sun S, Hoadley K, Perou C, Chen X, Davies S, Maher C, Kinsinger C, Rodland K, Zhang H, Zhang Z, Ding L, Townsend R, Rodriguez H, Chan D, Smith R, Liebler D, Carr S, Payne S, Ellis M. An Analysis of the Sensitivity of Proteogenomic Mapping of Somatic Mutations and Novel Splicing Events in Cancer. *Mol Cell Proteomics*, 2015 Dec 2. pii: mcp.M115.056226.)
112. Tabb D, Wang X, Carr S, Clauser K, Mertins P, Chambers M, Holman Jerry, Wang J, Zhang B, Zimmerman L, Chen X, Gunawardena H, Davies S, Ellis M, Li S, Townsend R, Boja E, Ketchum K, Kinsinger C, Mesri M, Rodriguez H, Liu T, Kim S, McDermott J, Payne S, Petyuk V, Rodland K, Smith R, Yang F, Chan D, Zhang B, Zhang H, Zhang Z, Zhou J-Y, Liebler D. Reproducibility of differential proteomic technologies in CPTAC fractionated xenografts. *J. Proteome Res.* 2015 Dec 14. [Epub ahead of print]
113. Hoofnagle AN, Whiteaker JR, Carr SA, Kuhn E, Liu T, Massoni SA, Thomas SN, Townsend RR, Zimmerman LJ, Boja E, Chen J, Crimmins DL, Davies SR, Gao Y, Hiltke TR, Ketchum KA, Kinsinger CR, Mesri M, Meyer MR, Qian W-J, Schoenherr RM, Scott MG, Shi T, Whiteley GR, Wrobel JA, Wu C, Ackermann BL, Aebersold R, Barnidge DR, Bunk DM, Clarke N, Fishman JB, Grant RP, Kusebauch U, Kushnir MM, Lowenthal MS, Moritz RL, Neubert H, Patterson SD, Rockwood AL, Rogers J, Singh RJ, Van Eyk JE, Wong SH, Zhang S, Chan DW, Chen X, Ellis MJ, Liebler DC, Rodland KD, Rodriguez H, Smith RD, Zhang Z, Zhang H, and Paulovich AG. Recommendations for the Generation, Quantification, Storage, and Handling of Peptides Used for Mass Spectrometry-Based Assays. *Clinical Chemistry* 2016; v. 62, p.48-69.
114. Whiteaker JR, Halusa GN, Hoofnagle AN, Sharma V, MacLean B, Yan P, Wrobel JA, Kennedy J, Mani DR, Zimmerman LJ, Meyer MR, Mesri M, Boja E, Carr SA, Chan DW, Chen X, Chen J, Davies SR, Ellis MJ, Fenyo D, Hiltke T, Ketchum KA, Kinsinger C, Kuhn E, Liebler DC, Liu T, Loss M, MacCoss MJ, Qian WJ, Rivers R, Rodland KD, Ruggles KV, Scott MG, Smith RD, Thomas S, Townsend RR, Whiteley G, Wu C, Zhang H, Zhang Z, Rodriguez H, Paulovich AG. Using the CPTAC Assay Portal to Identify and Implement Highly Characterized Targeted Proteomics Assays. *Methods Mol Biol.* 2016;1410:223-236.
115. Rudnick PA, Markey SP, Roth R, Mirokhin Y, Yan X, Tchekhovskoi D, Edwards NJ, Thangudu RR, Ketchum KA, Kinsinger CR, Mesri M, Rodriguez H, Stein SE. A Description of the Clinical Proteomic Tumor Analysis Consortium (CPTAC) Common Data Analysis Pipeline. *J. Proteome Res.*, 2016, 15 (3), pp 1023–1032.
116. Mertins P, Mani DR, Ruggles K, Gillette M, Clauser K, Wang P, Wang X, Qiao J, Cao S, Petralia F, Kawaler E, Mundt F, Krug K, Tu Z, Lei J, Gatzka M, Wilkerson M, Perou C, Yellapantula V, Huang KL, Lin C, McLellan M, Yan P, Davies S, Townsend R, Skates S, Wang J, Zhang B, Kinsinger C, Mesri M, Rodriguez H, Ding L, Paulovich A, Fenyo D, Ellis M, Carr SA & the NCI CPTAC. Proteogenomics connects somatic mutations to signaling in breast cancer. *Nature* (2016) May 25;534(7605):55-62.
117. Zhang H, Liu T, Zhang Z, Payne SH, Zhang B, McDermott JE, Zhou J-Y, Petyuk VA, Chen L, Ray D, Sun S, Yang F, Chen L, Wang J, Shah P, Cha SW, Aiyetan P, Woo S, Tian Y, Gritsenko MA, Clauss TR, Choi C, Monroe ME, Thomas S, Nie S, Wu C, Moore RJ, Yu K-H, Tabb DL, Fenyo D, Bafna V, Wang Y, Rodriguez H, Boja ES, Hiltke T, Rivers R, Sokoll L,

Zhu H, Shih I-M, Cope L, Pandey A, Zhang B, Snyder MP, Levine DA, Smith RD, Chan DW, Rodland KD, and the CPTAC investigators. Integrated proteogenomic characterization of human high grade serous ovarian cancer. *Cell* (2016) Jun 28. pii: S0092-8674(16)30673-0.

118. Uhlen M, Bandrowski A, Bradbury A, Carr S, Edwards A, Ellenberg J, Lundberg E, Rimm DL, Rodriguez H, Hiltke T, Snyder M, Yamamoto T. A Proposal for Validation of Antibodies. *Nature Methods* (2016) doi:10.1038/nmeth.3995
119. Wang J, Ma Z, Carr SA, Mertins P, Zhang H, Zhang Z, Chan D, Ellis MJ Townsend RR, Smith RD, McDermott JE, Chen X, Paulovich AG, Boja ES, Mesri M, Kinsinger CR, Rodriguez H, Rodland KD, Liebler DC, Zhang B. Proteome profiling outperforms transcriptome profiling for co-expression based gene function prediction. *Mol Cell Proteomics*, 2016 Nov 11. pii: mcp.M116.060301. [Epub ahead of print]