

## Pre-Pandemic Workshops and Seminars Pre-2020 Workshops and Seminars

### Presentations and Workshops - 2019 Season

#### March 11-13, 2019 CPSA Metabolomics (Atlanta, GA) – Personal Workshop

Monday, March 11, 2019 – Pre-Conference Workshop

(1) *Getting Ahead of The Curve for Early Diagnosis of Preventable Diseases*

(2) *Quick Overview of Cutting-Edge OMICS Technologies and Diagnostic Assays*

(3) *Defining Success in the Promise of OMICS to Diagnostics: Personalize/Precision Medicine*

Discussion Leader: Jeremiah D. Tipton, Ph.D. BioTech & OMICSx Solutions, LLC

#### May 5-9, 2019 CPSA Analytics (Boston, MA) – Sponsored Workshops and Discussions –

(A) Wednesday, May 8, 2019 – Sponsored Lunch & Roundtable

Sponsored by New Objective Inc.

*Getting Ahead of the Curve for Early Diagnosis of Preventable Diseases*

Discussion Leaders: Jeremiah D. Tipton, Ph.D. BioTech and OMICSx Solutions, LLC

Neil Spooner, Ph.D. Spooner Bioanalytical Solutions

(B) Wednesday, May 8, 2019 – Sponsored Lunch & Roundtable

(1) The Future of Integrated Metabolomics: Learning How to Plant in Rows

Discussion Leaders: Andrew Lee, IMCS

Abhishek Jha, Ph.D. Elucidata

Jeremiah D. Tipton, Ph.D., BioTech & OMICSx Solutions, LLC

(2) Next Generation Diagnostic Tests

Discussion Leaders - Jeremiah D. Tipton, Ph.D. BioTech and OMICSx Solutions, LLC

(C) Wednesday, May 8, 2019 – Vendor Session

“Five Minutes of Fame” (5MOF)

Session: Jeremiah Tipton, BioTech & OMICSx Solutions, LLC

#### October 5, 2019 – BarCamp, Keiser University, (Tampa, FL) – Educational Seminar

Your "N-of-1 Challenge" and what does that mean? Optimizing Your Health.

Speaker: Jeremiah D. Tipton, Ph.D.

#### October 18, 2019 – Reveal, Stations House (St. Petersburg, FL) – Sponsor –

What does Art, Science, and Technology mean to you? Science and Technology are Art.

Discussion Leader: Jeremiah D. Tipton, Ph.D.

#### October 20 - 23, 2019 – SERMACS (Savannah, GA) – Academic Seminar –

The 71st Southeastern Regional Meeting of the American Chemical Society

(A) Monday October, 21, 2019 – Session Chair for Symposium and Speaker –

*Applications of Mass Spectrometry for Drug Discovery and Precision Medicine*

Session Chair: Jeremiah D. Tipton, Ph.D

(B) Monday October, 21, 2019 – Educational Seminar –

ACS Member Café & Lounge, 10/21/2019, Monday @ 4:00 PM

Proud Chemist Social Meet Jeremiah D. Tipton, Author: The N-of-1 Challenge: A Real-Life

Guide to Optimizing Individual Health

**October 28-31, 2019 CPSA USA (Langhorne, PA) – Sponsored Discussions –**

(A) Tuesday, October 29, 2019 – *Sponsored Lunch & Roundtables –  
The Future of LC-MS!*

Sponsored by New Objective and Prolab Instruments  
Discussion Leaders: Emily Ehrenfeld, CEO, New Objective  
Jeremiah D. Tipton, Ph.D. BioTech & OMICSx Solutions, LLC  
Bernhard Nemec, Ph.D. Prolab Instruments  
Neil Spooner, Ph.D. Spooner Bioanalytical Solutions

(B) Tuesday, October 29, 2019 – *Workshop –  
The Future of LC-MS: High Performance Redefined*

Sponsored by New Objective  
*High Performance: Simple, Easy, Scalable*  
Emily Ehrenfeld, New Objective  
*High Performance: Integrated Solutions*  
Neil Spooner, Spooner Bioanalytical Solutions  
*High Performance: Education and Specialized Training*  
Jeremiah Tipton, BioTech & OMICSx Solutions, LLC  
*High Performance Redefined*  
Dan Spellman, Merck

(C) Wednesday, October 29, 2019 – *Vendor Session –  
“Five Minutes of Fame” (5MOF)*

Session Chairs: Mark Hayward, Ph.D. ITSP  
Jeremiah D Tipton, Ph.D. BioTech & OMICSx Solutions LLC

Presentation for New Objective Inc.

*The Future of LC-MS!*  
Neil Spooner Ph.D., New Objective Inc.  
Jeremiah D. Tipton, Ph.D., New Objective Inc.

## **SCIEX Presentation Tour – July 2013 to Oct 2016**

### **Professional Presentations**

**(1) July 31, 2013 (Tampa, FL) – ‘Lunch-n-Learn’ –**

Moffitt Cancer Research Center, Tampa, FL

“Simple Strategies for quantitative Proteomics: (1) Interrogating Thousands of Label-free Phosphopeptide Measurements in a Single Experiment using SWATH™ Acquisition; (2) Software Solutions for Protein Identification and Quantitation.

**(2) August 7, 2013 (Oklahoma City, OK) – ‘Lunch-n-Learn’ –**

University of Oklahoma Health Science Center, Oklahoma City, OK

TripleTOF 5600+ Workflows and SWATH™ Acquisition for Proteomics.

**(3) August 22, 2013 (Gainesville, FL) – ‘Lunch-n-Learn’ –**

University of Florida, Gainesville, FL

(1) SWATH™ Acquisition and Phosphopeptide Quantitation; (2) Qual/Quant Metabolomics Workflows.

**(4) August 29, 2013 (Oak Ridge, TN) – ‘Lunch-n-Learn’ –**

Oak Ridge National Lab, Oak Ridge, TN

TripleTOF 5600+ Workflows: Relative Quantitation with MSMSall and SWATH™ Acquisition - Label-Free Quantitation of Thousands of Phosphopeptides.

**(5) October 10, 2013 (Raleigh-Durham, NC) – ‘Public Conference’ –**

Danaher LSUG Seminar Symposium, Research Triangle Park, Raleigh-Durham, NC

Reviewing Practical Gains of Micro LC for Bioanalytical Separations New domains in sensitivity, speed & chromatography

**(6) October 24, 2013 (Houston, TX) – ‘Lunch-n-Learn’ –**

University of Texas MD Anderson Cancer Center, Houston, TX

Untargeted and Targeted Metabolomics Workflows with the TripleTOF 5600+

**(7) November 14, 2013 (Houston, TX) – ‘Sponsored Workshops and Seminars’ –**

Proteomics and Metabolomics Core Facilities, Baylor College of Medicine, Houston, TX

(1) Advances in LC/MS Workflows for Quantitative OMICS; (2) New Accurate Mass Tools and Approaches for Global Metabolomics using TripleTOF® 5600+ System Technology

**(8) November 21, 2013 (Orlando, FL) – ‘Lunch-n-Learn’ –**

Sanford Burnham Medical Research Institute, Lake Nona, FL

Interrogating Phosphoprotein Kinase Substrate Interactions Using SWATH™ Acquisition

**(9) January 9, 2014 (Miami, FL) – ‘Sponsored Workshops and Seminars’ –**

University of Miami Medical Center; Evelyn F. and William L. McKnight Vision Research Center; Bascom Palmer Eye Institute, Miami, FL

**(1)** Proteomics: Interrogating Phosphoprotein Kinase Substrate Interactions Using High Performance Mass Spectrometry Platforms **(2)** Metabolomics: Workflows for Identification and Quantifications of Metabolites and Small Molecules from Any Sample Type

- (10) February 12, 2014 (San Juan, Puerto Rico) – ‘Lunch-n-Learn’ –**  
University of Puerto Rico, San Juan, PR  
(1) Advances in LC/MS Workflows for Quantitative Omics – Part 1 Metabolomics (2) Advances in LC/MS Workflows for Quantitative Omics – Part 2: Label Free Relative Quantitation with SWATH Acquisition
- (11) March 26, 2014 (San Antonio, TX) – ‘Public Conference’ –**  
3rd International Conference and Exhibition on Metabolomics & Systems Biology,  
San Antonio, TX  
Discovery Workflow Approaches for Metabolomics & Lipidomics using TripleTOF® Technology
- (12) April 8, 2014 (Tallahassee, FL) – ‘Lunch-n-Learn’ –**  
Florida State University, Tallahassee, FL  
Protein BioMarker Pipeline – Strategies for Quantification / Verification / Validation
- (13) August 12, 2014 (Norman, OK)– ‘Lunch-n-Learn’ –**  
Dept of Chemistry & Biochemistry; Stephenson Life Sciences Research Center; University of Oklahoma, Norman, OK  
Emerging LC/MS/MS Technologies from AB SCIEX – (1) Versatile Solutions for Core Facility Environments; (2) The Next Generation Proteomics with the TripleTOF 6600
- (14) September 8, 2014 (Atlanta, GA) – ‘Lunch-n-Learn’ –**  
School of Biology; Georgia Institute of Technology, Atlanta, GA  
(1) The Power of SWATH™ 2.0 Technology for High-Content Quantitative Proteomics – From Sample Prep to Biological Answers; (2) Early Adopters of SWATH and Recent Publications
- (15) September 18, 2014 (College Station, TX) – ‘Lunch-n-Learn’ –**  
Department of Chemical Engineering, Texas A&M University, College Station, TX  
Advanced Workflows for Lipidomics, Metabolomics, and Small Molecule Characterization – Rapid Answers with the AB SCIEX TripleTOF Platform.
- (16) February 12, 2015 (Raleigh-Durham, NC) – ‘Lunch-n-Learn’ –**  
KBI BioPharma, Durham, NC  
Cutting-Edge Characterization Tools to Support Biotherapeutic Protein and ADC Development
- (17) March 25, 2015 (Kannapolis, NC) – ‘Lunch-n-Learn’ –**  
David H. Murdock Research Institute, Kannapolis, NC  
Solutions to Advance your Metabolomics & Lipidomics Research
- (18) April 4, 2015 (Fort Worth, TX) – ‘Lunch-n-Learn’ –**  
Alcon Laboratories, Fort Worth, TX  
Cutting-Edge Characterization Tools to Support Biotherapeutic Protein and ADC Development
- (19) June 14 to June 18, 2015 (Birmingham, AL) – ‘Public Conference’**  
3rd Annual Workshop on Metabolomics; University of Alabama-Birmingham, Birmingham, AL  
Day 1 Pres: Obtaining Answers to Biological Questions – Sample Prep to Data Analysis
- (20) June 14 to June 18, 2015 (Birmingham, AL) – ‘Public Conference’**  
3rd Annual Workshop on Metabolomics; University of Alabama-Birmingham, Birmingham, AL  
Day 2 Pres: Ion Mobility and SelexION Technology

- (21) September 3, 2015 (Houston, TX)** – *‘Sponsored Workshops and Seminars’* –  
Advanced Core Technologies, Baylor College of Medicine, Houston, TX  
The One OMICS Project: Next Generation Genomics, Proteomics, and Metabolomics from High Impact Cross OMICS Research and BioMarker Discovery (1) Introduction: The OneOMICS Project with illumina and SCIEX Platforms; (2) Untargeted and Targeted Metabolomics: Pathway Analysis for Biomarker Discovery and Validation
- (22) September 24, 2015 (Gainesville, FL)** – *‘Lunch-n-Learn’* –  
University of Florida, Gainesville, FL  
State of the Art Quantitative LC/MS with the 6500 QTRAP and SelexION Technology: Simple to Complex Sample Analysis Workflows
- (23) September 30 to October 3, 2015 (Galveston, TX)** – *‘Public Conference’* –  
4<sup>th</sup> UTMB Brain Symposium by The Department of Pharmacology & Toxicology and The University of Texas Medical Branch, Galveston, TX  
Multi-Omics Analysis of Primary Cytotrophoblasts from Second Trimester and Term Placentas
- (24) October 6, 2015 (Kannapolis, NC)** – *‘Sponsored Workshops and Seminars’* –  
David H. Murdock Research Institute, Kannapolis, NC  
Welcome Back to Liquid Chromatography / Mass Spectrometry - Food/Environmental and OMICS Applications: Sample Prep to Answers: OneOMICS and Full Workflow Solutions: Next Generation Proteomics, Metabolomics, and Lipidomics
- (25) October 8, 2015 (Raleigh-Durham, NC)** – *‘Sponsored Workshops and Seminars’* –  
Golden LEAF Biomanufacturing Training & Education Center, at the NC State University Centennial Campus. Raleigh, NC  
SCIEX Applications and Users Meeting @ The Golden LEAF BTEC: (1) OneOMICS and Full Workflow Solutions: Next Generation Proteomics, Metabolomics, and Lipidomics; (2) Part 2 Biologics Workflows: Rapid Host Cell Protein Analysis – Are you ready?
- (26) October 29, 2015 (Charleston, SC)** – *‘Lunch-n-Learn’* –  
Medical University of South Carolina, Strom Thurmond Biomedical Building, Charleston, SC  
(1) Advances in LCMS Technologies for Qual / Quant Experiments; (2) Enhancing Metabolite and Catabolite ID with the 6600 TripleTOF and MetabolitePilot Software; (3) OneOmics™ In the Cloud
- (27) November 15, 2015 (Cashiers, NC)** – *‘Public Conference’* –  
Southeastern Regional Lipid Conference (SERLC) 49th Annual Conference, Cashiers, NC  
A Novel Lipid Screening Platform Allowing a Complete Solution for Lipidomics Research
- (28) July 17 to July 21, 2016 (Birmingham, AL)** – *‘Public Conference’*  
4th Annual Workshop on Metabolomics; University of Alabama-Birmingham, Birmingham, AL  
OMICS and Precision Medicine - Full Workflows for Lipidomics and Metabolic Profiling

## **1999 – 2011 : Oral and Invited Presentations - Conferences**

- (1)** Baker, B.J.; **Tipton, J.D.**; and Barlow, T. “Chemical and Ecological Investigation of the Antarctic Sponge *Suberites Sp.*” Florida Annual Meeting and Exposition, Orlando, Florida, (**1999**)
- (2)** **Tipton, J.D.** and Caldwell-Busby, J., Proteomics: Relative Quantification of Complex MS Data Sets”, 1<sup>st</sup> Moffitt Symp. on Mass Spectrometry (MSMS), Tampa, FL, April 12<sup>th</sup> - 13<sup>th</sup> (**2007**)
- (3)** **Tipton, J.D.**; Schaub, T.M.; Hendrickson, C.L. and Marshall, A.G., “Parts-per-Billion Mass Accuracy for Proteomic Studies: Toward Zero Mass Error with Broadband FT-ICR MS Analysis”, 56th Amer. Soc. Mass Spectrom. Ann. Conf. on Mass Spectrometry, Denver, CO, June 1-6 (**2008**)
- (4)** **Tipton, J.D.**, “Parts-per-billion mass accuracy: Solving interesting biological problems with high performance FT-ICR MS at 14.5 T”, Florida Institute of Technology, Melbourne, FL, October 2 (**2008**)
- (5)** **Tipton, J.D.**; Mao, Y; Hendrickson, C.L. and Marshall, A.G. “Utility of the valence parity rule for ECD/AIECD FT-ICR MS: H-dot atom transfer, isobars, and isomers for peptide analysis”, 6th Annual International Uppsala Conference on Electron Capture and Transfer Dissociation, Madison, WI, December 7 -10 (**2008**)
- (6)** **Tipton, J.D.**; Kellie, J.F.; Thomas, P.M.; Ahlf D.; Hendrickson, C.L.; Kelleher, N.L. and Marshall, A.G., “Top-down proteomics with a 14.5 T FT-ICR mass spectrometer: Secondary ion collection in an external octopole ion trap”, 57th ASMS Conf. on Mass Spectrometry & Allied Topics, Philadelphia, PA, May 31 - June 4 (**2009**)
- (7)** **Tipton, J.D.**; Tran, J.C.; Lee, J.E.; Kellie, J.F.; Catherman, A.; Kelleher, N.L.; Marshall, A.G. “Top Down Proteomics at High Magnetic Field” 10<sup>th</sup> Atlanta/Athens Mass Spectrometry Discussion Group Summer Symposium, Atlanta, GA, October 6-7 (**2009**)

## **2004 – 2012: Poster Presentations**

- (1) **Tipton, J. D.**; Powell, D. H.; and Horenstein, N. B. "Using Bioconjugate Techniques and Mass Spectrometry to Map Sialyltransferase Active Site Topology" Proceedings of the 52nd ASMS Conference on Mass Spectrometry and Allied Topics, Nashville, Tennessee, May 23 – 27, (2004)
- (2) Smith, J. E.; **Tipton, J.D.**; Tan, W.; Powell, D.H. "Magnetic nanoparticle selection of DNA analyzed with monolithic HPLC negative ion mode ESI-FT-ICR MS" Proceedings of the 53rd ASMS Conference on Mass Spectrometry and Allied Topics, San Antonio, Texas, June 5 – 9, (2005)
- (3) **Tipton, J. D.**; Ricardo, A.; Benner, S. A.; Powell, D.H. "Real time study of the formose reaction: sugar-boronic acid complexes detected by negative ion ESI FTICR." Proceedings of the 53rd ASMS Conference on Mass Spectrometry and Allied Topics, San Antonio, Texas, June 5 – 9, (2005)
- (4) **Tipton, J. D.**; Burke, E. E.; Powell, D. H.; Horenstein, N. A. "Differential labeling of recombinant human  $\alpha$  2,3 sialyltransferase with N-acetylimidazole followed by mass spectrometric analysis" Proceedings of the 53rd ASMS Conference on Mass Spectrometry and Allied Topics, San Antonio, Texas, June 5 – 9, (2005)
- (5) Pascal, B.D.; Busby, J.; **Tipton, J.D.** "Automated identification of multiply digested peptides by comparison of theoretical to observed peptide masses" Federation of Analytical Chemistry and Spectroscopy Societies: The National Meeting of the Society for Applied Spectroscopy, Lake Buena Vista, Florida, September 24-28, (2006)
- (6) Busby, J.; Cavett, V.; **Tipton, J.D.**; Dharsee, M.; Stewart, I.; Ewing, R.; Pascal, B.; "Differential Analysis of High Resolution Mass Spectrometric Data" Federation of Analytical Chemistry and Spectroscopy Societies: The National Meeting of the Society for Applied Spectroscopy, Lake Buena Vista, Florida, September 24-28, (2006)
- (7) **Tipton, J.D.**; Pascal, B.; Busby, J. "Identifying protein nucleotide binding sites with photoaffinity nucleotide analogues and high-resolution mass spectrometry" Federation of Analytical Chemistry and Spectroscopy Societies: The National Meeting of the Society for Applied Spectroscopy, Lake Buena Vista, Florida, September 24-28, (2006)
- (8) Li, L.; Zhao, J.; Leech, A.L.; Huzarska, M.; **Tipton, J.D.**; Busby, J.; Leissring, M.A. "Modulation of insulin-degrading enzyme activity through covalent and non-covalent interactions" Society for Neuroscience, Atlanta, Georgia, October 14 -18, (2006)
- (9) **Tipton, J.D.**; Hwang, E.; Halpain, S.; Busby, J. "A mass spectrometry based proteomics approach for deciphering cytoskeletal mechanisms in neurite formation" ASMS Conference on Mass Spectrometry, Seattle, Washington, May 26 – June 1, (2006)
- (10) Cavett, V; **Tipton, J.D.**; Busby, S.A. ;Caldwell-Busby, J. "Rapid and Simultaneous Identification and Relative Quantitation of Fractionated Peptides and Proteins" 55th Amer. Soc. Mass Spectrom. Ann. Conf. on Mass Spectrometry, Indianapolis, IN, June 3-7 (2007)
- (11) **Tipton, J.D.**; Brown, J.; Dharsee, M.; Stewart, I; Ewing, R.; Goodenow, M.; Caldwell-Busby, J. "Multiplex quantitative proteomic differential analysis of treated of treated macrophage cells: Combining label-free peak alignment and iTRAQ labeling for differential quantification" 55th Amer. Soc. Mass Spectrom. Ann. Conf. on Mass Spectrometry, Indianapolis, IN, June 3-7 (2007)

**(12)** Nilsson, C.L.; Emmett, M.R.; He, H.; Marshall, A.G.; **Tipton, J.**; Wang, X.; Bennett, C.L.; Kroes, R.K.; Moskal, J.R.; Colman, H.; Sheng, X.; Liu, T.-J. and Conrad, C.A., “High Resolution Mass Spectrometry: Applications in Neuro-oncology”, M.D. Anderson Cancer Center, Houston, TX, October 1, **(2007)**

**(13)** Marshall, A.G.; Blakney, G.T.; He, H.; Emmett, M.R.; Kazazic, S.; Nilsson, C.L.; **Tipton, J.D.** and Zhang, H., “Pushing the Biological Mass Spectrometry Envelope: Benefits of Accurate Mass Measurement for MS and MS/MS of Proteins and Lipids”, Pittsburgh Conf. Achievement Award Symp. for Neil Kelleher, PittCon 2008, New Orleans, LA, March 2-6, **(2008)**

**(14)** Rummel, J.L.; McKenna, A.M.; **Tipton, J.D.**; Marshall, A.G.; Eyler, J.R. and Powell, D.H., “Evaluation of DART Analytical Figures of Merit on Various Surfaces using High Resolution Mass Spectrometry”, 56th ASMS Conf. on Mass Spectrometry & Allied Topics, Denver, CO, June 1-5, **(2008)**

**(15)** Wang, X.; Emmett, M.R.; **Tipton, J.D.**; Nilsson, C.L.; Marshall, A.G.; Kroes, R.A.; Moskal, J.R. and Conrad, C.A., “Modulation of the Phospho- and Glycoproteome of Glioma Stem Cells during Differentiation”, 56th ASMS Conf. on Mass Spectrometry & Allied Topics, Denver, CO, June 1-5, **(2008)**

**(16)** **Tipton, J. D.** ; Carter, J.; Mathias, J. D.; Emmett, M. R.; Fanucci, G. E.; Marshall, A. G., “High Performance nano-LC ESI FT-ICR MS to Verify Disulfide Connectivity and Spin-Labeled X->C GM2 Activator Protein Mutants”. ASBMB, Post Translational Modifications: Detection and Physiological Evaluation, Lake Tahoe, CA, October 23-26, **(2008)**

**(17)** Zhang, Z.; Huzarska, M.; **Tipton, J.D.**; Emmett, M.R.; Marshall, A.G. and Polfer, N., “Structural Study of Non-Enzymatic Glycation in Human Serum Albumin”, 2<sup>nd</sup> Moffitt Symp. on Mass Spectrometry (MSMS), Tampa, FL, February 11-12 **(2009)**

**(18)** **Tipton, J.D.**; Carter, J.; Mathias, J.D.; Emmett, M.R.; Fanucci, G.E. and Marshall, A.G., “High Performance Nano-LC ESI FT-ICR MS to Verify Disulfide Connectivity and Spin-Labeled X->C GM2AP Mutants”, 2<sup>nd</sup> Moffitt Symp. on Mass Spectrometry (MSMS), Tampa, FL, February 11-12 **(2009)**

**(19)** Marshall, A.G.; Blakney, G.T.; Emmett, M.R.; Hendrickson, C.L.; Rodgers, R.P.; **Tipton, J.D.**; Xian, F., “Ultrahigh Mass Resolution and Mass Accuracy: What's Possible, What's Not, and What It's Good For”, Symp. on Accurate Mass Measurement: State of the Art, Uses, and Limitations, Pittcon 2009, Chicago, IL, March 8-14 **(2009)**

**(20)** Mao, Y.; **Tipton, J.D.**; Blakney, G.T.; Hendrickson, C. and Marshall, A.G., “Valence parity for c/z ions from ECD of Peptides: Effect of enzyme digestion”, H. atom transfer and charge state, 7th North American FT MS Conf., Key West, FL, April 19-23 **(2009)**

**(21)** Wang, Xu.; **Tipton, J.D.**; Emmett, M.R. and Marshall, A.G., “Verification of Selenomethionine Incorporation by Top Down and Bottom Up Mass Spectrometry”, 7th North American FT MS Conf., Key West, FL, April 19-23 **(2009)**

**(22)** **Tipton, J.D.**; Kaiser, N.K.; Blakney, G.T.; Hendrickson, C.L. and Marshall, A.G., “Tandem Mass Spectrometry for Top Down Proteomics: Comparison Between Resonant and Beam-Type Collisionally Activated Dissociation”, 7th North American FT MS Conf., Key West, FL, April 19-23 **(2009)**

**(23)** Mao, Y.; **Tipton, J.D.**; Blakney, G.T.; Hendrickson, C. and Marshall, A.G., “Valence parity for c/z ions from ECD of Peptides: Effect of enzyme digestion, H. atom transfer and charge state,” 57th ASMS Conf. on Mass Spectrometry & Allied Topics, Philadelphia, PA, May 31 - June 4 (**2009**)

**(24)** Zhang, Z.; Huzarska, M.; **Tipton, J.D.**; Emmett, M.R.; Marshall, A.G. and Polfer, N., “Structural study of non-enzymatic glycation in human serum albumin”, 57th ASMS Conf. on Mass Spectrometry & Allied Topics, Philadelphia, PA, May 31 - June 4 (**2009**)

**(25)** Kellie, J.F.; Lee, J.E; Tran, J.C.; Ahlf D.; Thomas, H.M.; Vellaicham, A.; **Tipton, J.D.**; Marshall, A.G. and Kelleher, N.L., “A New Realm for Protein Quantitation: Reproducibility and Modification Occupancy using Label-Free Top Down Mass Spectrometry”, 57th ASMS Conf. on Mass Spectrometry & Allied Topics, Philadelphia, PA, May 31 - June 4 (**2009**)

**(26)** Lee, J.E; Kellie, J.F.; Tran, J.C.; Vellaichamy, A.; Ahlf D.; **Tipton, J.D.**; Marshall, A.G. and Kelleher, N.L., “A high throughput format for Top Down Proteomics using GELFrEE coupled to nanocapillary-LTQ FT ICR MS at >12 Tesla”, 57th ASMS Conf. on Mass Spectrometry & Allied Topics, Philadelphia, PA, May 31 - June 4 (**2009**)

**(27)** Wang, X.; **Tipton, J.D.**; Emmett, M.R. and Marshall, A.G., “Verification of Selenomethionine Incorporation by Top-Down and Bottom-Up Mass Spectrometry”, 57th ASMS Conf. on Mass Spectrometry & Allied Topics, Philadelphia, PA, May 31 - June 4 (**2009**)

**(28)** Althaus, E.; Canzar, S.; Ehrler, C.; Emmett, M.R.; Karrenbauer, A.; Marshall, A.G.; Meyer-Baese, A.; **Tipton, J.D.** and Zhang, H.-M., “Discrete Fitting of HDX-Data of Overlapping Fragments”, 2009 Int. Conf. on Bioinformatics & Computational Biology (BIOCOMP '09), Las Vegas, NV, July 13-16 (**2009**)

**(29)** **Tipton, J.D.**; Nilsson, C.L.; Emmett, M.R.; He, H.; Nair, S.S.; Marshall, A.G.; Sheng, X. and Conrad, C.A., “The Glioblastoma Exosomal Proteome: Modulation by Wild-type p53”, HUP02009 World Congress, Toronto, ON Canada, September 28-30 (**2009**); *Clinical Proteomics*, 5 (Sup 1), 64 (**2009**)

**(30)** Stenson, A.C.; **Tipton, J.D.**; Capley, E.N. and Marshall, A.G., “MSn Analysis of Essentially Single Formula Fulvic Ions”, Humic Science & Technology XIII Conf., Boston, MA, March 17-19 (**2010**)

**(31)** Hendrickson, C.L.; Blakney, G.T.; Bou-Assaf, G.M.; Zhang, H.-M.; **Tipton, J.D.**; Valeja, S.; Emmett, M.R. and Marshall, A.G., “Improved FT-ICR MS of Biomolecules”, 9th European FTMS Workshop, Lausanne, Switzerland, April 6-9 (**2010**)

**(32)** **Tipton, J.D.**; Lee, J.E.; Catherman, A.C.; Durbin, K.R.; Hendrickson, C.L.; Emmett, M.R.; Marshall, A.G. and Kelleher, N.L., “Top-Down Proteomics at High Magnetic Field: Posttranslational Modifications and High Molecular Weight Proteins from M-Phase Arrested HeLa Cells”, 58th Amer. Soc. for Mass Spectrom. Annual Conf. on Mass Spectrometry & Allied Topics, Salt Lake City, UT, May 23-27 (**2010**)

**(33)** Kellie, J.F.; Compton, P.D.; Norris, J.L.; Witcowski, C.; Quinn, J.P.; **Tipton, J.D.**; Hendrickson, C.L.; Marshall, A.G. and Kelleher, N.L., “Use of GELFrEE Technology to Enable *S. cerevisiae* Proteome Coverage: Effect of External Accumulation for Top Down Proteomics” 58th Amer. Soc. for Mass Spectrom. Annual Conf. on Mass Spectrometry & Allied Topics, Salt Lake City, UT, May 23-27 (**2010**)

**(34)** Valeja, S.G.; **Tipton, J.D.**; Emmett, M.R. and Marshall, A.G., “New Reagents for Enhanced Charging of Intact Protein Ions for Liquid Chromatography Tandem Mass Spectrometry”, 58th ASMS Conf. on Mass Spectrometry & Allied Topics, Salt Lake City, UT, May 23-27 (**2010**)

**(35)** **Tipton, J.D.**; Emmett, M.R.; Nilsson, C.L.; Sheng, X.; Conrad, C.A. and Marshall, A.G. “Secretion Vesicle Proteomics: Glioblastoma Exosome and Modulation by Wild-Type p53 Gene Therapy” 58th Amer. Soc. for Mass Spectrom. Annual Conf. on Mass Spectrometry & Allied Topics, Salt Lake City, UT, May 23-27 (**2010**)

**(36)** Tran, J.C; Zamdborg, L.; Lee, J.E.; Catherman, A.D.; Durbin, K.R.; Li, M.; Ahlf, D.R.; **Tipton, J.D.**; and Kelleher, N.L. “Global Proteome Analysis Using High Throughput Top Down Proteomics” 59th Amer. Soc. for Mass Spectrom. Annual Conf. on Mass Spectrometry & Allied Topics, Denver, CO, June 5-9 (**2011**)

**(37)** **Tipton, J.D.**; Hobbs, J.; Sweet, M.S.; Zheng, Y.; Durbin, K.R.; Li, M.; Chandler, J.P.; and Kelleher, N.L. “Quantitative Studies of Cancer Epigenetics Using Label-Free Top Down and Bottom Up to Interrogate Histone Modifications” 59th Amer. Soc. for Mass Spectrom. Annual Conf. on Mass Spectrometry & Allied Topics, Denver, CO, June 5-9 (**2011**)