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OFFICIAL METHODS BOARD

2015 Candidates Book

Mastovska & Gilliland



AOAC INTERNATIONAL
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Curriculum Vitae

Don Gilliland, Ph.D.

Abbott Laboratories – Abbott Nutrition
3300 Stelzer Road
Columbus, OH USA 43219
(614) 624-7007
(614) 727-7007
don.gilliland@abbott.com

EDUCATION

- Ph.D., Chemistry**, Purdue University, West Lafayette, IN USA 1990
Thesis Topic: “Application of the Photothermal Lens and Development of Second Harmonic Detection Fluorometry in Two-Photon Spectroscopy”
Advisor: Prof. Fred E. Lytle
- B.S., Chemistry (ACS. Cert)**, Muskingum College, New Concord, OH USA 1984

PROFESSIONAL EXPERIENCE

- Senior Research Scientist, Abbott Nutrition** 2010 – Present
Quantitative LC-MS/MS – Vitamins
Methods Development, Validation and Implementation - Vitamins
Methods Improvement, Validation and Implementation - Oil Soluble Vitamins
- Senior Research Scientist, Abbott Nutrition** 2000 – 2010
Quantitative LC-MS/MS – Vitamins
Methods Development, Validation and Implementation - Vitamins
Methods Improvement, Validation and Implementation - Oil Soluble Vitamins
- Senior Chemist, Abbott Nutrition** 1994 - 2000
Lab Manager - Routine Analyses of Oil Soluble Vitamins
Methods Review and Improvement of Oil Soluble Vitamin Methods
- Chemist, Abbott Nutrition** 1991 – 1994
MALDI-TOF Method Development – Oligosaccharide, Peptide, Protein Characterization
GC-MS Method Development – Oligosaccharide Characterization
GC-IDMS Method Development – Amino Acids

ACADEMIC EXPERIENCE

Research Assistant

Purdue University, West Lafayette, IN USA 1984 – 1990
Muskingum College, New Concord, OH USA 1983 – 1984

Teaching Assistant

Purdue University, West Lafayette, IN USA 1984 – 1990

ORAL AND POSTER PRESENTATIONS

INTERNATIONAL CONFERENCES

- Symposium Presentation (Invited): “Harmonizing Standard Methods for Nutrient Analyses in Challenging Medical Food Matrices”; D. Schmitz, J. Thompson, J. Denison, T. Seipelt, L. Pacquet and D. Gilliland. November, 2008
ILSI 5th Asian Conference on Food And Nutrition Safety; Cebu, Philippines
- Symposium Presentation (Invited): “Vitamin Analysis in Infant and Medical Foods Using UPLC-MS/MS”; J. Denison, T. Seipelt and D. Gilliland. September, 2008
122nd AOAC International Annual Meeting and Exposition; Dallas, TX USA
- Poster Presentation: “Simultaneous Determination of Vitamins D₂ and D₃ in Infant Formula and Adult Nutritional Products by uPLC-MS/MS”; J. Denison, T. Seipelt and D. Gilliland. September, 2008
122nd AOAC International Annual Meeting and Exposition, Dallas, TX USA
- Poster Presentation: “Determination of Total B₆ in Milk-Based Infant Formulas - A Comparison of HPLC and uPLC-MS/MS”; L. Salvati, J. Denison, T. Seipelt and D. Gilliland. September, 2008
122nd AOAC International Annual Meeting and Exposition, Dallas, TX USA
- Poster Presentation: “Simultaneous Determination of Vitamins D₂ and D₃ in Infant and Adult Nutritional Products by uPLC-MS/MS”; J. Denison, T. Seipelt and D. Gilliland. June, 2008
56th ASMS Conference on Mass Spectrometry; Denver, CO USA
- Symposium Presentation (Invited): “Feasibility of Determining Water Soluble Vitamins in Infant Formula and Medical Nutritional Products and Vitamin Premixes by LC-MS/MS”; J. Denison, T. Seipelt and D. Gilliland. September, 2006
120th AOAC International Annual Meeting and Exposition; Minneapolis, MN USA
- Poster Presentation: “Water Soluble Vitamin Analysis in Pediatric Products by LC-MS/MS”; J. Denison, T. Seipelt and D. Gilliland. September, 2006
120th AOAC International Annual Meeting and Exposition; Minneapolis, MN USA

Poster Presentation: "Special Problems in LC-MS/MS Quantitation in Nutritional: Vitamin D₃"; J. Denison, T. Seipelt and D. Gilliland. June, 1997
45th ASMS Conference on Mass Spectrometry and Allied Topics; Palm Springs, CA USA

REGIONAL CONFERENCES

Symposium Presentation (Invited): "Determination of B Vitamins in Infant Formula and Adult Nutritional Products using HPLC-MS/MS", J. Denison, T. Seipelt and D. Gilliland. June, 2008
2008 Midwest Section of AOAC International Annual Meeting and Exposition; Bozeman, MT USA

Symposium Presentation: "Simultaneous Determination of Vitamin A Palmitate and Vitamin E Acetate by Mid-Bore Normal Phase HPLC and Column Switching"; H. Risch and D. Gilliland. October, 1996
AOAC Regional Meeting.

INTERNAL CONFERENCES

Poster Presentation: "Simultaneous Determination of Vitamin A Palmitate and Vitamin E Acetate by Mid-Bore Normal Phase HPLC and Column Switching"; H. Risch and D. Gilliland. September, 1997
1997 Ross Technology Exchange

Poster Presentation: "Oil Soluble Vitamin Stability in a Medical Nutritional (ENLIVE)"; J. Atkinson, D. Gilliland, D. Poorbaugh and L. Rhoades. September, 1997
1997 Ross Technology Exchange.

Poster Presentation: "Automated Characterization of β -Casein Directly from Human Milk using Multi-Dimensional HPLC-ESI-MS/MS"; T. Seipelt, V. Pound, and D. Gilliland. September, 1997
1997 Ross Technology Exchange.

Poster Presentation: "Determination of Vitamin D in Infant Formula by LC-APCI-MS"; B. Caldwell, T. Seipelt, and D. Gilliland. September, 1997
1997 Ross Technology Exchange.

Poster Presentation: "Human Casein Peptide Inhibiting *H. INFLUENZA* Attachment to Human Epithelial Cells"; D. Gilliland, T. Seipelt, M. Bergana, P. Mukerji and J. Baxter. September, 1995
1995 Ross Technology Exchange.

Poster Presentation: "Mass Spectrometric Determination of the Primary Structure of a Triptic Peptide Isolated from Human β -Casein"; D. Gilliland, T. Seipelt, W. Wargo, P. Mukerji and J. Baxter. September, 1995
1995 Ross Technology Exchange.

Poster Presentation: "Biomolecular Structure Characterization by Matrix Assisted Laser Desorption Ionization Time-of-Flight (MALDI-TOF) Mass Spectrometry"; T. Seipelt, J. Baxter, P. Mukerji and D. Gilliland. September, 1995
1995 Ross Technology Exchange.

Poster Presentation: "Oligosaccharide Characterization by Mass Spectrometry"; September, 1993
T. Seipelt, P. Prieto and D. Gilliland.
1993 Abbott Technology Exchange.

PUBLICATIONS

"Second Harmonic Detection of Sinusoidally Modulated Two-Photon Excited Fluorescence", R.G. Freeman, D.L. Gilliland and F.E. Lytle, Analytical Chemistry, 1989.

IN PROGRESS

"Single Lab Validation of Simultaneous Determination of 7 Water Soluble Vitamins by LC-MS/MS"

"Single Lab Validation of A Method for the Simultaneous Determination of Vitamins D₂ and D₃ by LC-MS/MS"

"Feasibility of Determination of Total B₆ by LC-MS/MS"



Ms. Shauna F. Roman, M.S.
Chair, AOAC OMB

August 10, 2015

Dear Ms. Roman:

I am submitting this document to indicate Abbott Nutrition's support of Donald L Gilliland's nomination to serve on the AOAC International Official Methods Board (OMB).

I understand that Don's commitment to AOAC OMB is for a term of three years and includes the following activities in support of OMB functions:

Provide ethical, timely, open and independent scientific oversight for policies and procedures of AOAC, International.

Approve "Final Action" status for new and revised First Action Methods following proactive review.

Repeal Methods, if necessary, in accordance with established policies and procedures.

Participate in addressing appeals and request for action or guidance in resolving disputes.

Endorse and monitor all voluntary consensus panels for appropriate representation and balance of stakeholder perspectives.

Endorse and monitor all volunteer subject matter experts for volunteer conformity assessment activities.

Adopt and monitor scientific and technical guidance and references.

Acknowledge outstanding scientific and technical volunteer activity and achievement within AOAC

Actively participate in AOAC standards development activities and maintain and communicate explicit knowledge of AOAC standards development and conformity assessment.

Sincerely,

Nancy B. Montgomery
10-Aug-2015

Nancy Montgomery
Section Manager
Analytical Research & Development
Abbott Nutrition
3300 Stelzer Road
Columbus, OH 43219, USA
Phone: (614) 624-7506

BOARD OF DIRECTORS

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The Natural Products Association
Washington, D.C., USA

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Abbott Nutrition
Saint Cloud, MN, USA

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E. JAMES BRADFORD
AOAC INTERNATIONAL
Gaithersburg, MD, USA



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August 11, 2015

Shauna Roman
AOAC Official Methods Board - Chair

Dear Shauna,

I am very pleased to recommend Don Gilliland for a position on the AOAC INTERNATIONAL Official Methods Board. Don is an excellent scientist, and has been involved with numerous method development and validation studies with Infant Formula and Adult Nutritionals. He had made invaluable contributions to the AOAC SPIFAN program as a Stakeholder, a Working Group Chair, and a member of the Expert Review Panel.

I have worked with Don for many years, and I believe that his extensive experience with analytical testing will contribute significantly to the success of the Official Methods Board.

Sincerely,

AOAC Board of Directors – Secretary

August 24, 2015.

To: Dr. Shauna Roman, chair AOAC INTERNATIONAL Official Methods Board.

From: Dr. Erik J.M. Konings.

Dear Shauna,

Via this letter I would like to recommend Dr. Don Gilliland as a member of the AOAC INTERNATIONAL Official Methods Board.


In the past years Don has participated to the SPIFAN Expert Review Panel with sound contributions in the area of nutrient testing in infant formula and adult nutritionals. He chaired successfully a SPIFAN Working Group on vitamin D, and one of the SPSFAM Expert Review Panels on nutrients.

In addition he expanded his contribution internationally by participating to ISO, in particular the ISO TC34 Working Group 14 on nutrient testing. Also there his scientific sound contributions are well respected. Apart from this, I would like to mention that his way of interaction in a group of experts, particularly his solid evaluation of facts contributing to consensus, is well appreciated.

I trust that Don will be an asset to the Official Member Board.

Please feel free to contact me for any additional information.

Kind regards,

A handwritten signature in black ink, appearing to read 'Erik J.M. Konings', written over a horizontal line.

Erik J.M. Konings
President of AOAC INTERNATIONAL



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VOLUNTEER ACCEPTANCE FORM

1. My name, title, affiliation, address, phone and fax numbers, and e-mail address are as follows:

Name: Donald L Gilliland

Title: Senior Research Scientist

Affiliation: Abbott Nutrition

Address: 3300 Stelzer Rd

Address: Columbus, OH 43219

Phone Number: 614-624-7007 Fax Number: 614-727-7007

Email Address: don.gilliland@abbott.com

2. I have reviewed and understand the AOAC Policies and Procedures on Volunteer Conflict of Interest; the Antitrust Policy Statement and Guidelines; and the Policy on the Use of the Association Name, Initials, Identifying Insignia, Letterhead, and Business Cards and I agree to abide by all AOAC policies.

 9/4/2015
Signature

Sep 4, 2015

Date

Donald L Gilliland

Name (Printed)

Return to AOAC INTERNATIONAL, c/o Delia Boyd at facsimile number 1.301.924.7088 or to dboyd@aoac.org at your earliest convenience. If you have questions, do not hesitate to contact your liaison.

KATERINA MASTOVSKA, Ph.D.
Curriculum Vitae

PROFESSIONAL EXPERIENCE

2013-Present: Associate Scientific Director, Nutritional Chemistry and Food Safety (NCFS), Covance Laboratories Inc., Madison, WI, USA

2011-2013: Lead Staff Scientist, NCFS, Covance Laboratories Inc., Madison, WI, USA

2009-2011: Senior Technical Manager, NCFS, Covance Laboratories Inc., Greenfield, IN, USA

- Global scientific, technical and thought leader for the Covance Nutritional Chemistry and Food Safety business unit in the field of chemical residues, contaminants, and adulterants in food, feed, and dietary supplements, including development of new analytical methods and strategies, interfacing with clients when it comes to technical and regulatory expertise, development of testing programs and specifications, problem solving, and business development activities in the United States and globally.
- Technically established a new Pesticide Center of Excellence in Greenfield, IN that provides modern analysis of pesticide residues based on state-of-the-art analytical methods and techniques.

2012-Present: Owner and Principal Consultant, Excellcon International LLC, Plymouth Meeting, PA, USA

- Scientific consulting activities

2002-2009: Research Chemist, USDA, Agricultural Research Service, Wyndmoor, PA, USA

- Developed efficient methods for pesticide and veterinary drug residues and other chemical contaminants in food, such as acrylamide or dioxins, mainly based on advanced gas and liquid chromatographic techniques coupled with (tandem) mass spectrometry.
- Investigated and evaluated new analytical techniques and tools to be implemented in chemical residue analysis, and conducted successful method transfer to routine testing laboratories.

1995-2002: Researcher, Laboratory of Food Contaminants & Toxicants, Institute of Chemical Technology (ICT), Prague, Czech Republic

- Developed and ran methods for analysis of pesticide residues and other food and environmental contaminants, primarily based on gas chromatographic separations with mass spectrometric or element-selective detection.
- Participated in numerous international projects, mainly focused on method harmonization within the EU.
- Spent three short-term stays as a visiting scientist in Pesticide Residue Group at the MAFF Central Science Laboratory (now FERA) in York, UK in 1997, 1998, and 1999 and one stay at the USDA Agricultural Research Service in Wyndmoor, PA in 2000, conducting successful method development for the analysis of pesticide residues.

KATERINA MASTOVSKA, Ph.D.
Curriculum Vitae

EXPERT AND ADVISORY ACTIVITIES

AOAC International

- Co-chair of the AOAC Int. Community on Chemical Contaminants and Residues in Food (2011-present).
- PDE5 Working Group Chair for the Stakeholder Panel on Dietary Supplements (2014)
- Study Director for the AOAC Int. study on polycyclic aromatic hydrocarbons (PAHs) in seafood as a response to the oil spill in the Gulf of Mexico (2010 – 2013)
- AOAC Int. Topic Advisor and member of Expert Review Panels (ERPs) for the Veterinary Drug Residue Methods (2009 – present)
- Member of the Dietary Supplement ERP on PDE5 inhibitors (2015-present)

Joint FAO/WHO Meeting on Pesticide Residues (JMPR)

- Expert in the UN Food and Agricultural Organization (FAO) panel of the JMPR (Joint FAO/WHO Meeting on Pesticide Residues) evaluating pesticide submissions and recommending world-wide pesticide maximum residue levels in foods and feeds to the Codex Alimentarius Commission (2006-2009).

Other activities:

European Commission, Research Executive Agency (REA) – independent expert evaluating research proposals (2010-present)

International Symposium on Recent Advances in Food Analysis (RAFA) – instructor of interactive seminars (2011, 2013, 2015)

Interagency Residue Control Group (IRCG) – member (2006-2009)

USDA FSIS Surveillance Advisory Team (SAT) – member (2006-2009)

International Atomic Energy Agency (IAEA) – invited advisor (invitation declined in 2009)

Georgian National Science Foundation – invited grant reviewer (2006-present)

Residue Analytical Workshop at ICT, Prague – invited lecturer (2006, 2009)

USDA/EPA Pesticide Workshop for FIFRA laboratories – co-organizer and instructor (2004)

Peer-reviewer for: J. AOAC Int., J. Chromatogr. A, Anal. Chim. Acta, Anal. Chem., J. Agric. Food. Chem., J. Anal. Bioanal. Chem., Talanta, Metabolomics

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

AOAC International

American Chemical Society, Divisions of Agrochemicals and Analytical Chemistry

American Society for Mass Spectrometry

HONORS AND AWARDS

AOAC International Method of the Year award, 2014-2015

AOAC International Fellow award, 2013-2014

Finalist of Covance inaugural Science and Technology award, 2014

AOAC International Study Director of the Year award, 2012-2013

AOAC International Expert Review Panel of the Year award, 2012-2013

Technical Program Chair of the 50th Florida Pesticide Residue Workshop/North American Chemical Residue Workshop (FPRW/NACRW), 2013

KATERINA MASTOVSKA, Ph.D.

Curriculum Vitae

ARS Technology Transfer Award for “Partners in QuEChERS”, Outstanding Effort, 2009
Federal Laboratory Consortium (FLC) Mid-Atlantic Regional Excellence in Technology Transfer Award, 2009
Excellence in Government Award for private sector involvement, Silver Medalist, Federal Executive Board, 2008
U.S. Department of Agriculture Certificate of Merit for outstanding research contributions, 2006, 2007, 2008, and 2009
U.S. Department of Agriculture Extra Effort Award, 2005
Granted U.S. Permanent Residency in the Extraordinary Ability category, 2005 (Naturalized U.S. Citizen since August 2011)
U.S. Environmental Protection Agency Certificate of Appreciation, 2004
Josef Hlavka Award for the best young researchers in the Czech Republic who demonstrated exceptional abilities and creative thinking in their field, 1998
ICT Rector Award, 1998

EDUCATION

PhD Food Chemistry and Analysis, Institute of Chemical Technology (ICT), Faculty of Food and Biochemical Technology, Prague, Czech Republic

MS Food Chemistry and Analysis (summa cum laude), Institute of Chemical Technology (ICT), Faculty of Food and Biochemical Technology, Prague, Czech Republic

PUBLICATIONS

Book Chapters and Monographs:

K. Mastovska: Pesticide Analysis Reference Guide: GC-MS/MS Pesticide residue analysis. Publication number 5991-2389EN, Agilent Technologies, 2013.

K. Mastovska: Multiresidue analysis of antibiotics in food of animal origin using liquid chromatography-mass spectrometry, In: *Mass Spectrometry in Food Safety: Methods and Protocols*. J. Zweigenbaum (editor), ISBN 978-1-61779-135-2, Humana Press, Totowa, NJ, USA, 2011, pp. 267-307.

S.C. Cunha, S.J. Lehotay, K. Mastovska, J.O. Fernandes, M.B.P.P. Oliveira: Sample preparation approaches for the analysis of pesticide residues in olives and olive oil, In: *Olives and Olive Oil in Health and Disease Prevention*. V.R. Preedy and R.R. Watson (editors), ISBN 978-0-12-374420-3 Elsevier, San Diego, CA, USA, 2010, pp. 653-666.

K. Mastovska: Recent developments in chromatographic techniques, In: *Comprehensive Analytical Chemistry*. Volume 51: Food Contaminants and Residue Analysis, Y. Pico (editor), ISBN 978-0-444-53019-6 (0-444-53019-3), Elsevier, Oxford, UK, 2008, pp. 175-200.

T. Cajka, J. Hajslova, K. Mastovska: Mass spectrometry and hyphenated instruments in food analysis. In: *Handbook of Food Analysis Instruments*. S. Otles (editor), ISBN 978-1-4200-4566-6 (1-420-04566-0), CRC Press, 2008, pp. 197-228.

K. Mastovska: State of the art mass spectrometric and chromatographic techniques for drug analysis, In: *New Delivery Systems for Controlled Drug Release from Naturally Occurring Materials*, N. Parris, L. Liu, C. Song, and V.P. Shastri (editors), ISBN: 978-0-8412-7424-2, ACS Symposium Book Series 992, American Chemical Society, Washington, D.C., USA, 2008, pp. 283-298.

KATERINA MASTOVSKA, Ph.D.
Curriculum Vitae

K. Mastovska: Instrumental aspects and application of (ultra)fast gas chromatography-mass spectrometry, In: *Encyclopedia of Mass Spectrometry*, Volume 8: Hyphenated Methods, W. Niessen (editor), ISBN 978-0-080-43847-4 (0-080-43847-4), Elsevier, Oxford, UK, 2006, pp. 73-83.

S.J. Lehotay, K. Mastovska, N. Thiex: Detecting veterinary drug residues in feed and cattle. In: *Raw Material Safety: Meat*. J. Sofos (editor), ISBN 978-1-85573-955-0 (1-85573-955-0), Woodhead Publishing Ltd, Cambridge, UK, 2005, pp. 102-131.

K. Mastovska: Role of pesticides in produce production, protection, quality and safety, In: *Produce Degradation: Reaction Pathways and Their Prevention*, O. Lamikanra, S.H. Imam and D.O. Ukuku (editors), ISBN 978-0-8493-1902-0 (0-8493-1902-1), CRC Press, Taylor & Francis Group, 2005, pp. 341-378.

S.J. Lehotay, K. Mastovska: Determination of pesticide residues. In: *Methods of Analysis of Food Components and Additives*. S. Otle (editor), ISBN 978-0-849-31647-0 (0-849-31647-2), CRC Press, 2005, pp. 329-359.

K. Mastovska: Food & Nutritional Analysis: (q) Pesticide residues, In: *Encyclopedia of Analytical Science*, 2nd Edition, P. Worsfold, A. Townshend and C. Poole (editors), ISBN 978-0-12-764100-3 (0-12-764100-9), Elsevier, Oxford, UK, 2005, Vol. 3, pp. 251-260.

Pesticide Monographs:

K. Mastovska: Indoxacarb (a special evaluation). In: *Pesticide Residues in Food 2009*, Evaluations, Part I – Residues, FAO Plant Production and Protection Paper 198, ISBN 978-92-5-106503-7, FAO and WHO, Rome, Italy, 2010, pp. 647-674.

K. Mastovska: Azoxystrobin (a new evaluation). In: *Pesticide Residues in Food 2008*, Evaluations, Part I – Residues, FAO Plant Production and Protection Paper 194, ISBN 978-92-5-106218-0, FAO and WHO, Rome, Italy, 2009, pp. 1-202.

K. Mastovska: Flusilazole (a periodic review). In: *Pesticide Residues in Food 2007*, Evaluations, Part I – Residues, FAO Plant Production and Protection Paper 192, ISBN 978-92-5-105967-8, FAO and WHO, Rome, Italy, 2008, pp. 619-772.

K. Mastovska: Fludioxonil (a special evaluation). In: *Pesticide Residues in Food 2006*, Evaluations, Part I – Residues, Volume 2, FAO Plant Production and Protection Paper 189/2, ISBN 978-92-5-105723-0, FAO and WHO, Rome, Italy, 2007, pp. 535-546.

Journal Articles:

L. Vaclavik, J.R. Schmitz, J.-F. Halbardier, K. Mastovska: Single laboratory validation study of a method for screening and identification of phosphodiesterase type 5 inhibitors in dietary ingredients and supplements using liquid chromatography / quadrupole–orbital ion trap mass spectrometry, *J. AOAC Int.* (ready for submission).

K. Mastovska, W.J. Sorenson, J. Hajslova: Determination of polycyclic aromatic hydrocarbons (PAHs) in seafood using gas chromatography-mass spectrometry: Collaborative study, *J. AOAC Int.* **98** (2015) 477-505.

Z. Veprikova, M. Zachariasova, Z. Dzuman, A. Zachariasova, M. Fenclova, P. Slavikova, M. Vaclavikova, K. Mastovska, D. Hengst, J. Hajslova: Mycotoxins in plant-based dietary supplements: Hidden health risk for consumers, *J. Agric. Food Chem.* **63** (2015) 6633-6643.

KATERINA MASTOVSKA, Ph.D.
Curriculum Vitae

S. Coates, K. Mastovska: Standard Method Performance Requirements (SMPRs) approved for high-priority dietary supplements: Phosphodiesterase type 5 inhibitors. *Inside Laboratory Management* **19** (1-2) (2015) 19-26.

K. Mastovska: 50th Anniversary of the Florida Pesticide Residue Workshop and the birth of the North American Chemical Residue Workshop, *J. Agric. Food Chem.* **62** (2014) 3649-3650.

K. Mastovska: Modern analysis of chemical contaminants in food, *Food Safety Magazine*, Feb/Mar 2013 (an invited article).

S.J. Lehotay, K. Mastovska, A.R. Lightfield, A. Nunez, T. Dutko., C. Ng, L. Bluhm: Rapid analysis of aminoglycoside antibiotics in bovine tissues using disposable pipette extraction and ultrahigh performance liquid chromatography - tandem mass spectrometry. *J. Chromatogr. A* **1313** (2013) 103-112.

K. Mastovska, P.L. Wylie: Evaluation of a new column backflushing set-up in gas chromatographic-tandem mass spectrometric analysis of pesticide residues in dietary supplements, *J. Chromatogr. A* **1265** (2012) 155-164.

K. Mastovska: Rugged GC-MS/MS pesticide residue analysis fulfilling the USDA Pesticide Data Program (PDP) requirements, Application Note 5990-1054EN, Agilent Technologies, 2012.

S.J. Lehotay, A.R. Lightfield, L. Geis-Asteggiante, M.J. Schneider, T. Dutko, C. Ng, L. Bluhm, K. Mastovska: Development and validation of a streamlined method designed to detect residues of 62 veterinary drugs in bovine kidney using ultrahigh performance liquid chromatography – tandem mass spectrometry. *Drug Testing and Analysis* **4** (2012) 75-90.

M.J. Schneider, K. Mastovska, M.B. Solomon: Distribution of penicillin G residues in culled dairy cow muscle. *J. Agric. Food Chem.* **58** (2010) 5408-5413.

S.J. Lehotay, K. Ae Son, H. Kwon, U. Koesukwiwat, W. Fu, K. Mastovska, E. Hoh, N. Leepipatpiboon: Comparison of QuEChERS sample preparation methods for the analysis of pesticide residues in fruits and vegetables. *J. Chromatogr. A* **1217** (2010) 2548-2560.

K. Mastovska, K. Dorweiler, S.J. Lehotay, J. Wegscheid, K. Szpylka: Pesticide multiresidue analysis in cereal grains using modified QuEChERS method combined with automated direct sample introduction GC-TOFMS and UPLC-MS/MS techniques, *J. Agric. Food Chem.* **58** (2010) 5959-5972.

U. Koesukwiwat, S.J. Lehotay, K. Mastovska, K. Dorweiler, N. Leepipatpiboon: Evaluation of a modified QuEChERS method for pesticide residues in flaxseeds, peanuts, and doughs, *J. Agric. Food Chem.* **58** (2010) 5950-5958.

S.J. Lehotay, K. Mastovska, A.R. Lightfield, R.A. Gates: Multi-analyst, multi-matrix performance of the QuEChERS approach for pesticide residues in foods and feeds using LC-MS/MS analysis with different calibration techniques. *J. AOAC Int.* **93** (2010) 355-367.

K. Mastovska: Book review of Analyses of Hormonal Substances in Food Producing Animals by J.F. Kay. *Inside Laboratory Management* **13** (7-8) (2010) 12 (invited book review for an AOAC Int. publication).

E. Hoh, S.J. Lehotay, K.C. Pangallo, K. Mastovska, H. Ngo, C.M. Reddy, W. Vetter: Simultaneous quantitation of multiple classes of organohalogen compounds in fish oils with direct sample introduction-comprehensive two-dimensional gas chromatography and time of flight mass spectrometry. *J. Agric. Food Chem.* **57** (2009) 2653-2660.

E. Hoh, S.J. Lehotay, K. Mastovska, H. Ngo, W. Vetter, K.C. Pangallo, C.M. Reddy: Capabilities of direct sample introduction - comprehensive two-dimensional gas chromatography – time-of-flight mass spectrometry to analyze organic chemicals of interest in fish oils. *Environ. Sci. Technol.* **43** (2009) 3240-3247.

KATERINA MASTOVSKA, Ph.D.
Curriculum Vitae

M.J. Schneider, K. Mastovska, S.J. Lehotay, A.R. Lightfield, B. Kinsella, C. Shultz: Comparison of screening methods for antibiotics in beef kidney juice and serum. *Anal. Chim. Acta* **637** (2009) 290-297.

B. Kinsella, S.J. Lehotay, K. Mastovska, A.R. Lightfield, M. Danaher, A. Furey: New method for the analysis of flukicides and other anthelmintics in bovine milk and liver using liquid chromatography-tandem mass spectrometry. *Anal. Chim. Acta* **637** (2009) 196-207.

S.J. Lehotay, K. Mastovska, A. Amirav, A.B. Fialkov, T. Alon, P. Martos, A. de Kok, A.R. Fernandez-Alba: Identification and confirmation of chemical residues by chromatography-mass spectrometry and other techniques. *Trends in Anal. Chem.* **27** (2008) 1070-1090.

K. Mastovska, A.R. Lightfield: Reversed phase and aqueous normal phase retention in multiclass LC-MS analysis of antibiotics. *Am. Lab.* (on-line edition) June/July (2008) 37-40.

E. Hoh, S.J. Lehotay, K. Mastovska, J.K. Huwe: Evaluation of automated direct sample introduction with comprehensive two-dimensional gas chromatography/time-of-flight mass spectrometry for the screening analysis of dioxins in fish oil. *J. Chromatogr. A.* **1201** (2008) 69-77.

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S.C. Cunha, S.J. Lehotay, K. Mastovska, J.O. Fernandes, M.B.P.P. Oliveira: Evaluation of the QuEChERS sample preparation approach for the analysis of pesticide residues in olives and olive oil. *J. Sep. Sci.* **30** (2007) 620-632.

X. Fan, K. Mastovska: Effectiveness of ionizing radiation in reducing furan and acrylamide levels in foods. *J. Agric. Food Chem.* **54** (2006) 8266-8270.

K. Mastovska, S.J. Lehotay: Rapid sample preparation method for LC-MS/MS or GC-MS analysis of acrylamide in various food matrices. *J. Agric. Food Chem.* **54** (2006) 7001-7008.

M. Janska, S.J. Lehotay, K. Mastovska, J. Hajslova, T. Talon, A. Amirav: A simple and inexpensive “solvent in silicone tube extraction” approach and its evaluation in the gas chromatographic analysis of pesticides in fruits and vegetables. *J. Sep. Sci.* **29** (2006) 66-88.

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T. Cajka, K. Mastovska, S.J. Lehotay, J. Hajslova: Use of automated direct sample introduction with analyte protectants in the gas chromatographic-mass spectrometric analysis of pesticide residues. *J. Sep. Sci.* **28** (2005) 1048-1060.

K. Mastovska: Book review of *Chromatography: Concepts and Contrasts* by J.M. Miller. *Inside Laboratory Management* **9** (5-6) (2005) 9 (invited book review for an AOAC Int. publication).

KATERINA MASTOVSKA, Ph.D.

Curriculum Vitae

S.J. Lehotay, K. Mastovska, A.R. Lightfield: Use of buffering and other means to improve results of problematic pesticides in a fast and easy method for residue analysis of fruits and vegetables. *J. AOAC Int.* **88** (2005) 615-629.

S.J. Lehotay, K. Mastovska, S.J. Yun: Evaluation of two fast and easy methods for pesticide residue analysis in fatty food matrices. *J. AOAC Int.* **88** (2005) 630-638.

K. Mastovska, J. Hajslova, S.J. Lehotay: Ruggedness and other performance characteristics of low-pressure gas chromatography-mass spectrometry for the fast analysis of multiple pesticide residues in food crops. *J. Chromatogr. A* **1054** (2004) 335-349.

K. Mastovska, S.J. Lehotay: Evaluation of common organic solvents for gas chromatographic analysis and stability of multiclass pesticide residues. *J. Chromatogr. A* **1040** (2004) 159-172.

M. Anastassiades, K. Mastovska, S.J. Lehotay: Evaluation of analyte protectants to improve gas chromatographic analysis of pesticides. *J. Chromatogr. A* **1015** (2003) 163-184.

K. Mastovska, S.J. Lehotay: Practical approaches to fast gas chromatography-mass spectrometry. *J. Chromatogr. A* **1000** (2003) 153-180 (a review in a special volume celebrating "A Century of Chromatography and Volume 1000 of the Journal of Chromatography").

D. Titera, V. Vesely, J. Hajslova, K. Mastovska: Intoxications of bees by pesticides. *Veterinarstvi (Veterinary Medicine)* **53** (2003) 152-154.

J. Zrostlikova, J. Hajslova, M. Godula, K. Mastovska: Performance of programmed temperature vaporizer, pulsed splitless and on-column injection techniques in analysis of pesticide residues in plant matrices. *J. Chromatogr. A* **937** (2001) 73-86.

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M. Godula, J. Hajslova, K. Mastovska, J. Krivankova: Optimization and application of the PTV injector for the analysis of pesticide residues. *J. Sep. Sci.* **24** (2001) 355-366.

K. Mastovska, J. Hajslova, M. Godula, J. Krivankova, V. Kocourek: Fast temperature programming in routine analysis of multiple pesticide residues in food matrices. *J. Chromatogr. A* **907** (2001) 235-245.

M. Godula, J. Hajslova, K. Alterova: Pulsed splitless injection and the extent of matrix effects in the analysis of pesticides. *J. High Resolut. Chromatogr.* **22** (1999) 395-402.

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06 August 2015

Ms. Shauna Roman
Chair of OMB
AOAC International

Dear Ms. Shauna Roman,

I am pleased to support the nomination of Katerina Mastovska to the Official Methods Board of AOAC International. I am pleased that she has been recognized in the past for her contributions and that the AOAC International continues to recognize her specifically in this leadership role. I am very convinced that Kate's scientific acumen will allow her to contribute at a high level, and as such help the AOAC International meet its mission of providing the tools and processes necessary to collaborate and develop fit-for-purpose methods.

I can report that Kate meets all of the requirements for membership on the Official Methods Board of AOAC International, and that she has the full support of Covance Laboratories to fulfill these duties.

We appreciate the efforts of AOAC International to create the collaborative environment which allows Covance Laboratories to participate in helping set globally accepted standards for chemistry and microbiological assays. This aligns well with our strategies for growth.

Kind regards,



Doug Winters
Executive Director of Science
Covance Laboratories

BOARD OF DIRECTORS

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Covance Laboratories
Madison, WI, USA

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The Acheson Group
Washington, D.C., USA

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& Quarantine Bureau
Qing Dao City, Peoples Republic
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Microbiologics, Inc.
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The Natural Products Association
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Director-at-Large

DANIEL SCHMITZ
Abbott Nutrition
Saint Cloud, MN, USA

Executive Director

E. JAMES BRADFORD
AOAC INTERNATIONAL
Gaithersburg, MD, USA



The Scientific Association Dedicated to Analytical Excellence®

August 7, 2015

Shauna Roman
AOAC Official Methods Board - Chair

Dear Shauna,

I am very pleased to recommend Katerina Mastovska for a position on the AOAC INTERNATIONAL Official Methods Board. Kate's scientific rigor will allow her to contribute at a high level, and help the AOAC meet its mission of providing the tools and processes necessary to collaborate and develop fit-for-purpose methods.

I have worked with Kate for many years, and I believe that her education and experience will allow her to contribute to the success of the Official Methods Board.

Sincerely,

AOAC Board of Directors – Secretary



FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES
COMMISSIONER ADAM H. PUTNAM

August 6, 2015

To: AOAC

From: Jo Marie Cook, Chief
Bureau of Chemical Residue Laboratories

Subject: Recommendation for Katerina Mastovska to join the Official Methods Board

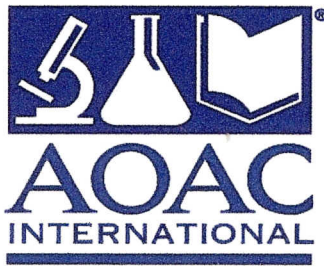
I would like to enthusiastically recommend Katerina Mastovska for membership on the AOAC Official Methods Board. I have known Katerina personally for nearly ten years. You can view her extensive resume to understand the depth of her chemical knowledge and experience.

She and Steve Lehotay have served as Co-Chairs of the Chemical Contaminants and Residues in Food Community since 2011, where they were voted into office by a large margin due to their popularity and the respect of their fellow chemists. She has single handedly served as Chair for much of the time since being appointed due to the absence of Steve from most meetings. Every year she comes well prepared and produces an excellent meeting. Prior to that, she was very active in the community in nearly all of the subgroups, covering pesticides, veterinary drugs, environmental contaminants and metals.

I reviewed Katerina's work on the PAHs in Seafood collaborative study protocol and was very impressed by her ability to design a performance-based method which enabled scientists to use the method and participate in the study using a wide variety of instruments and conditions. This is one of the best designed studies I've seen. And it eventually became an official method.

Katerina is also a member of the North American Chemical Residue Workshop Organizing Committee and has been on the Program Committee and a session chair for several years. She frequently presents her work and is always at the forefront of technology and methodologies in residue analysis.

Katerina spent a whole week in our laboratory training our staff to effectively use QuEChERS on the Agilent Triple Quad. She demonstrated how to effectively choose ions that do not have interferences and subsequently lowered many detection limits. She added backflushing, internal standard and analyte protectants to the method. She was able to take a method that was dysfunctional to routine use in a very short time and much of what she brought to the lab is still in use today. She was able to do something that several Agilent application people were unable to do.



The Scientific Association Dedicated to Analytical Excellence®

AOAC INTERNATIONAL

VOLUNTEER ACCEPTANCE FORM

1. My name, title, affiliation, address, phone and fax numbers, and e-mail address are as follows:

Name: Katerina Mastovska

Title: Associate Scientific Director

Affiliation: Covance Laboratories

Address: 3301 Kinsman Blvd

Address: Madison, WI 53704

Phone Number: 317-371-2968 Fax Number: _____

Email Address: katerina.mastovska@covance.com

2. I have reviewed and understand the AOAC Policies and Procedures on Volunteer Conflict of Interest; the Antitrust Policy Statement and Guidelines; and the Policy on the Use of the Association Name, Initials, Identifying Insignia, Letterhead, and Business Cards and I agree to abide by all AOAC policies.

Katerina Mastovska
Signature

14 Aug 2015
Date

Katerina Mastovska
Name (Printed)

Return to AOAC INTERNATIONAL, c/o La'Kia Phillips at facsimile number 1.301.924.7089 or by email at lphillips@aoac.org. If you have questions, do not hesitate to contact your liaison.

Q Laboratories, Inc.
Curriculum Vitae

Erin S. Crowley

EDUCATION

2001 - Tufts University, Medford, MA, - M.A. Child Development

1999 - University of Cincinnati, Cincinnati, OH, - B.S. Biology

TECHNICAL EXPERIENCE

2007 – Present: Q Laboratories, Inc., Cincinnati, OH
Microbiology R & D Laboratory Supervisor

2006 - 2007: Q Laboratories, Inc., Cincinnati, OH
Microbiologist, Microbiology Section

2005 - 2006: Arc One, LLC, Cincinnati, OH
Contract Administrator

2002 - 2005: 4C for Children, Ft. Thomas, KY
Quality Coordinator

1999 – 2002: Tufts Educational Day Care Center, Medford, MA
Preschool Teacher

PUBLICATIONS / PRESENTATIONS

“An Independent Comparative Evaluation of the TEMPO[®] EB for the Enumeration of *Enterobacteriaceae* in Foods”, Poster Presentation, IAFP 2008 Annual Meeting Columbus OH, July 2008.

“An Independent Evaluation of a New Method: An automated System for Simultaneous Detection and Differentiation of *Listeria monocytogenes* and *Listeria* Species in Food”, Poster Presentation, IAFP 2008 Annual Meeting, Columbus OH, July 2008.

“A Comparative Evaluation of the DOX[®] TVC for the Quantitation of Total Aerobic Viable Counts in Food”, Poster Presentation, AOAC 2008 Annual Meeting, Dallas, TX September 2008.

“An AOAC Comparative Evaluation of the VIDAS[®] Heat and Go System and the Traditional Boiling Step in the VIDAS[®] Easy SLM, LSX, and ECO Methods – AOAC Methods Modification Study”, AOAC 2008 Annual Meeting, Dallas, TX, September 2008.

Journal of AOAC International VOL. 92, No. 1, 2009. *TEMPO TVC for the Enumeration of Aerobic Mesophilic Flora in Foods: Collaborative Study*

Q Laboratories, Inc. Curriculum Vitae

PUBLICATIONS / PRESENTATIONS (cont.)

“Collaborative Validation of a Rapid PCR Method for the Detection of Salmonella in Peanut Butter” Poster Presentation. The 2009 Food Safety Summit, April 2009, Washington, D.C.

“Evaluation Of The MicroSEQ® *Listeria monocytogenes* and the MicroSEQ® *Salmonella* Assays: A Real-Time PCR Detection Method” Poster Presentation. The 2009 IAFP Annual Meeting, July 2009, Grapevine, Texas.

“A Comparative Evaluation of the VIDAS® *Listeria* Species Xpress (LSX) Assay For The Detection Of *Listeria monocytogenes* On Environmental Surfaces” Poster Presentation. The 2009 IAFP Annual Meeting, July 2009, Grapevine, Texas.

“A Comparative Evaluation of the VIDAS® Easy Salmonella Assay For The Detection Of *Salmonella* In Food And Poultry Rinse” Poster Presentation. The 2009 IAFP Annual Meeting, July 2009, Grapevine, Texas.

“An Independent Evaluation of A New Method For The Detection Of *Salmonella* In A Variety of Foods: The VIDAS® Easy Salmonella Assay” Poster Presentation. The 2009 IAFP Annual Meeting, July 2009, Grapevine, Texas.

“An AOAC Performance Tested MethodSM Evaluation of the VIDAS® *Salmonella* (SLM) assay method EasySLM with ChromID™ *Salmonella* (SM2) Agar” Poster Presentation. The 2009 AOAC Annual Meeting, September 2009, Philadelphia, PA.

“An AOAC Performance Tested MethodSM Comparative Evaluation of the VIDAS® UP *E. coli* O157:H7 PT (ECPT) in Raw Ground Beef” Poster Presentation. The 2009 AOAC Annual Meeting, September 2009, Philadelphia, PA.

“Evaluation of BD BBL CHROMagar Salmonella in the AOAC® RI Emergency Response Validation Program for the Detection of *Salmonella* in Peanut Butter” Poster Presentation

Journal of AOAC International VOL. 93, No. 1, 2010. *TEMPO EC for the Enumeration of Escherichia coli in Foods: Collaborative Study*

“Evaluation Of The MicroSEQ® *Escherichia coli* O157:H7 Assay: Real-Time PCR Detection Method” Poster Presentation. The 2010 IAFP Annual Meeting, August 2010, Anaheim, CA

“Independent Evaluation and Validation of the TEMPO™ STA for Quantitation of *Staphylococcus aureus*” Poster Presentation. The 2010 IAFP Annual Meeting, August 2010, Anaheim, California.

“A Comparative Evaluation of the MicroSEQ® Real Time-PCR Assay for the Detection of *Listeria* in a Variety of Foods and Environmental Surfaces” Poster Presentation. The 2010 AOAC Annual Meeting, September 2010, Orlando, FL.

Q Laboratories, Inc. Curriculum Vitae

PUBLICATIONS / PRESENTATIONS (cont.)

“An AOAC Performance Tested MethodSM Evaluation of the Reveal® 2.0 *Salmonella* Test System For The Detection of *Salmonella* in Foods” Poster Presentation. The 2010 AOAC Annual Meeting, September 2010, Orlando, FL.

“A Comparative Evaluation of the SDIX® RapidChek® SELECT™ *Salmonella* Assay for the Detection of *Salmonella* on Stainless Steel Environmental Surfaces” Poster Presentation. The 2010 AOAC Annual Meeting, September 2010, Orlando, FL.

“The Third Party Independent Laboratory Perspective: Validation of Multiple Microbiological Methods”. Presented at the 2010 AOAC Annual Meeting, September 29th, 2010, Orlando, FL.

“The Third Party Independent Laboratory Perspective: Establishment of Acceptance Criteria and Reporting of Data Using Multiple Methods”. Presented at the US Food & Drug Administration’s 2nd Annual International Analytical Methods Conference, February 9th, 2011. Newport Beach, CA.

Journal of AOAC International VOL. 94, No. 5, 2011. *Evaluation of VIDAS® Easy Salmonella assay (EasySLM) with ChromID™ Salmonella (SM2) Agar for the Detection of Salmonella in a Variety of Foods: Collaborative Study*

“A Comparative Evaluation of the ChromID™ Ottaviani Agosti Agar (OAA) for the Detection and Enumeration of *Listeria monocytogenes* and *Listeria* species” Poster Presentation. The 2011 IAFP Annual Meeting, July 2011, Milwaukee, WI.

“Evaluation of VIDAS® Easy Salmonella assay (EasySLM) with ChromID™ Salmonella (SM2) Agar for the Detection of Salmonella in a Variety of Foods: Collaborative Study” Poster Presentation. The 2011 IAFP Annual Meeting, July 2011, Milwaukee, WI.

“A Comparative Evaluation of Petrifilm™ Aqua Plate Methods vs. Various Reference Methods in Testing of Bottled Water” Poster Presentation. The 2011 IAFP Annual Meeting, July 2011, Milwaukee, WI.

“Use Of The BAX® System PCR Assays For Salmonella (AOAC OMA 2003.09 and AOAC-RI PTM 100201) To Detect Salmonella spp. (Including Enteritidis) From Shell Eggs”, Poster Presentation. AOAC 2011 Annual Meeting, New Orleans, LA. September 2011.

“Evaluation of the VITEK® 2 Gram Negative (GN) Microbial Identification Test Card: Collaborative Study”, Poster Presentation. AOAC 2011 Annual Meeting, New Orleans, LA. September 2011.

Q Laboratories, Inc. Curriculum Vitae

“Evaluation of the VITEK® 2 Gram Positive (GP) Microbial Identification Test Card: Collaborative Study”, Poster Presentation. AOAC 2011 Annual Meeting, New Orleans, LA. September 2011.

“AOAC® Research Institute Validation of the VIDAS™ UP Salmonella (SPT) Assay for the Detection of Salmonella Species in a Variety of Foods, and Environmental Surfaces”, Poster Presentation. AOAC 2011 Annual Meeting, New Orleans, LA. September 2011.

Journal of AOAC International VOL. 95, No. 2, 2012. *Evaluation of the VITEK 2 Gram-Negative (GN) Microbial Identification Test Card: Collaborative Study*

“Rapid Detection of Salmonella in Pet Food: Design and Evaluation of Integrated Methods Based on Real-Time PCR Detection”, Journal of Food Protection, Vol. 57, No. 2, 2012 pages 347-352

AWARDS

AOAC Collaborative Study of the Year. “TEMPO® TVC for the Enumeration of Aerobic Mesophilic Flora in a Variety of Foods (Official MethodSM 2008.10). Awarded September 14, 2009 at the AOAC Annual Meeting. Philadelphia, PA.

AOAC Study Director of the Year. Awarded September 14, 2009 at the AOAC Annual Meeting. Philadelphia, PA.

PROFESSIONAL SOCIETIES / MEMBERSHIPS

Association of Official Analytical Chemists (AOAC)

International Association of Food Protection (IAFP) – Individual Member

PROFESSIONAL COMMITTEE ACTIVITIES

Study Director of the Methods Committee on Microbiology, AOAC International 2008-Present

TRAINING

1st International Conference for Food Safety and Quality, “Detection Methods in Food Safety and Quality”, San Francisco CA, November 8-10, 2006

VITEK 2 Compact Training, Biomérieux Industry, February 5-6, 2007; Cincinnati, OH

Tempo Training, Biomérieux Industry, August 8, 2007; Cincinnati, OH

AOAC Collaborative Study Design and Management, September 15-16, 2007; Anaheim, CA

Q Laboratories, Inc. Curriculum Vitae

SAFTPAK – For the Shipping of Infectious substances & Dry Ice, December 17, 2007;
Cincinnati, OH

AOAC The Performance Tested MethodsSM Program: Validation of Rapid Microbiological
Methods, September 21, 2008; Dallas, TX

Validation and Performance Testing of Antimicrobial Technologies, June 19, 2009; Executive
Conferences Webinar presented by Jim Polarine, Steris Corporation

“Microval 2nd International Symposium 2009, Combined Validations: Microval/AOAC,
Microval/Nordval, November 12, 2009, Amsterdam, Netherlands”

IAFP 2010 Workshop: Microbial Challenge Testing for Foods, July 30-31, 2010; Anaheim, CA

“Anticipating Legal and Regulatory Challenges: A Review of the Food Safety Modernization
Act”, March 3, 2011, Food Seminars International presented by Olsson Frank Weeda Terman
Bode Matz, PC.

“Understanding USP Requirements on Weights and Balances”, by U.S. Pharmacopeia, webinar,
February 14, 2012.

3rd International MicroVal Program Workshop, MicroVal, March 16, 2012; Rotterdam,
Netherlands.

CERTIFICATIONS

“Conference for Women 2009” Sponsored by the Rockhurst University Continuing Education
Center, Inc. Cincinnati, Ohio; March 26, 2009;

“Shipping of Infectious Substances & Dry Ice”, presented by Saf-T-Pak November 6, 2009

Saf-T-Pak, “Handling/Offering for Transport of Dangerous Goods”, October 3, 2011

BRADLEY A. STAWICK

Office: 412-459-1058 ♦ email: brad.stawick@microbac.com

Management executive with significant experience in process improvement, increases in efficiency, improved financial performance. Experience in development and execution of strategic plan. Customer focus with a strong desire to solve customer problems and exceed expectations, not simply provide minimum service levels. Total quality approach to non-conformance with strong focus on root cause analysis.

Selected Achievement Highlights

- ♦ **Developed business plan for consulting company** – built structure for business including business plan, sales, accounting, and operations of company.
- ♦ **Turned around and developed laboratory quality system from the ground up** – Streamlined redundant, flat quality system consisting of over 120 standard operating procedures to an ISO-styled multi-tiered quality system including a Quality Manual, 20 standard operating procedures, an Audit Manual and a local policy system. This led to improved compliance and improved operational consideration.
- ♦ **Restructuring of failing laboratory safety programs** – Complete restructuring of safety programs including complete review of all federal, state, and local requirements for laboratories in three states.
- ♦ **Strengthen operational efficiency and profitability** – Reduced personnel in group from 60 to 43 while reducing overtime from 17% to 2% with 15% revenue growth in fewer than two years. At the same time, reduced rework rate from nearly 2% to less than 0.2%. Once staffing settled, continued improvements by reducing net operating income by 2% in six months.
- ♦ **Experience in opening new laboratories** – Assisted in the opening of new laboratory at analyst level. One year later managed opening of another laboratory including design, construction, business development, operations management, and process development.

PROFESSIONAL EXPERIENCE MICROBAC LABORATORIES, INC

Pittsburgh, PA ♦ 2011–present

Corporate Director of Microbiology

2011-present

Responsible for all activities in microbiology testing for testing industry clients. Review and provide recommendations for methodology adoption, operational efficiency improvements, automation opportunities, and quality systems. Develop and implement training. Provide audit services and management support for laboratories. Work with laboratories on method review, optimization, and validation. Active member of trade associations. Assist laboratories with accreditation process. Work with accrediting body in performing laboratory assessments based upon ISO standards. Develop and implement training materials for laboratory equipment and laboratory operations.

STAWICK LABORATORY MANAGEMENT, LLC

Bartlett, TN ♦ 2006–2011

President, Technical Director

2006-2011

Responsible for all activities in consulting business focusing on the food testing industry. Provide clients with review and recommendations for operational efficiency improvements, automation opportunities, and quality systems. Develop and implement training courses. Provide audit services and management support for special projects. Work with laboratories on method review, optimization, and validation.

Contract with trade associations performing work on government contracts for work on biological threat agents. This work includes review and recommendations for reference materials, assisting in method validation and collaborative studies, laboratory assessments, and study design. Work with accrediting body in performing laboratory assessments based upon ISO standards. Develop and implement training materials for laboratory equipment and laboratory operations.

- | | |
|--------------------------------------|---|
| Strategy/
Vision Planning | <ul style="list-style-type: none"> ◆ Developed strategy for own consulting business ◆ Built business from the ground up |
| Quality
Assessments | <ul style="list-style-type: none"> ◆ Implemented marketing strategy, including development of website ◆ Review of clients' quality systems and recommend improvements ◆ Perform audits of laboratory operations ◆ Perform A2LA assessments against ISO 17025 and AOAC Food Guidelines |
| Training | <ul style="list-style-type: none"> ◆ Assist laboratories in implementation of ISO 17025 accreditation ◆ Develop computer-based training program for laboratory equipment ◆ Perform training on operational improvements |
| Operations | <ul style="list-style-type: none"> ◆ Validation of laboratory methods ◆ Qualification of laboratory equipment ◆ Develop SOPs for clients |



EUROFINS SCIENTIFIC, INC

Memphis, TN ◆ 2002–2006

Director, Quality & Safety / Chief Microbiologist

2002-2006

Responsible for microbiology operations and development of laboratory quality system for food and feed business units in North American operations. Quality system is based upon ISO 17025 requirements and redesigned from the ground up. Facilitated development of consistency between microbiology operations throughout North America. Provide microbiology technical guidance and consultation for clients. Responsible for auditing of laboratories and facilitate client audits.

- | | |
|--------------------------------------|--|
| Quality
Improvement | <ul style="list-style-type: none"> ◆ Facilitate review of proficiency programs to assess quality level of laboratories. Assist in determining which programs best meet the needs of the laboratories and clients. ◆ In depth investigation of each method as part of redesigned quality system to assure compliance to reference method and operational excellence. ◆ Develop and approve all quality documents, including the Quality Manual, Standard Operating Procedures, Audit Manual, Laboratory Methods, and forms. ◆ Assess laboratory equipment, including qualification requirements and functionality. ◆ Oversee implementation of redesigned quality system. Work with operations to minimize operational impact while maintaining high level of quality. |
| Strategy/
Vision Planning | <ul style="list-style-type: none"> ◆ Facilitation of method and laboratory system troubleshooting ◆ Active participant on North American Management Team. ◆ Direct renovation of laboratory and restructure personnel organization of laboratory. |

- | | |
|---------------------------|---|
| Safety Improvement | ◆ Restructure safety programs for all business units, including an in depth investigation of regulatory requirements. The improved systems allow for operational excellence while maintaining a safe working environment. |
| Consolidation | ◆ Directed consolidation of microbiology operations into primary locations. |
| Team Development | ◆ Develop and direct North American quality team with representatives from each location and corporate personnel to address common issues and improve teamwork. |

**SILLIKER, INC.**

Chicago Heights, IL ◆ 1992 - 2002

Laboratory Director, Illinois Laboratory

2002

Responsible for all operations at Silliker's flagship laboratory, including microbiology, chemistry, client service, and administration functions. Revenue accounted for over 25% of Silliker's North American operations, with a staff of over 100 people. Responsible for profit and loss statement activities, efficiency trends, personnel issues, contract development, and implementation. Provided technical consulting for clients.

- | | |
|---------------------------------|---|
| Bottom Line Improvement | ◆ Improved net operating income by 2% in six months. |
| Strategy/Vision Planning | ◆ Monitored key measurements and evaluated performance criteria for optimization of laboratory operations. |
| Teaching Experience | ◆ Presented technical sessions, including short courses offered to external clients and technical presentations to trade associations and journals. |

Operations Manager, Microbiology, Illinois Laboratory

1999-2002

Responsible for operations of largest department at Silliker including laboratory operations, quality systems, and personnel. Provided technical consulting for clients. Worked with sales to determine pricing and provide technical assistance.

- | | |
|----------------------------------|--|
| Bottom Line Improvement | ◆ Reduced personnel from 60 to 43 in fewer than two years while experiencing 15% revenue growth. |
| Bottom Line Improvement | ◆ Reduced overtime from 17% to 2% in the same time period. |
| Strategy/Vision Planning | ◆ Developed and implemented plan to renovate laboratory to improve process flow. |
| Operations Re-engineering | ◆ Coordinated implementation of a new LIMS system for Chicago Heights facility. |
| Operations Re-engineering | ◆ Directed laboratory automation initiatives including plate readers, instrument interfaces, XY robots, autoclaves, automatic agar preparators, and plate pourers. |
| Teaching Experience | ◆ Developed and taught short courses on introductory food microbiology offered to external clients and lab staff. |

Corporate Client Service Manager, Homewood, IL

1999

Responsible for client service operations at all laboratory locations. Provided technical assistance to client service and corporate personnel. Performed internal audits of client service functions as well as developed and maintained standard operating procedures. Contributed to negotiation of major multi-laboratory accounts.

Operations Manager, Houston, TX

1995-1999

Opened and directed a start-up laboratory in a new market area for Silliker. Responsible for all operations of laboratory, quality systems, personnel, customer service, and all profit and loss statements for laboratory. Responsible for quality control and data review prior to release to clients. Directed laboratory through ISO Guide 25 accreditation audit as well as Texas Department of Health certification for seawater and shellfish.

Technical Services Specialist, Homewood, IL (1994-1995)

Technician in Charge, Madison, WI (1993-1994)

Special Projects Coordinator, Chicago Heights, IL (1992-1993)

EDUCATION & CREDENTIALS**Master of Science, Food Science**

University of Illinois Urbana-Champaign

Bachelor of Science, Biology

University of Illinois Urbana-Champaign

Publications

Contributing author, Principles of Microbiological Troubleshooting in the Industrial Food Processing Environment, Springer Science+Business Media, New York, 2010.

Contributing author, Petfood Technology, Watt Publishing, Mt. Morris, Illinois, 2003.

Memberships

Institute of Food Technologists, Professional Member

International Association for Food Protection

AOAC International

AOAC Technical Division on Laboratory Management, Vice Chair

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