

# CURRICULUM VITAE

Steven A. Jacobs

## I. PERSONAL

- A. Name: Steven A. Jacobs
- B. Home Address: 1711 Moyer Rd  
Hatfield, Pennsylvania 19440
- C. Mobile: 267-496-7901

## II. EDUCATION

<u>SCHOOL</u>	<u>DATE</u>	<u>MAJOR/MINOR/COURSES</u>	<u>DEGREE</u>
University of Phoenix GPA 3.84	2003	Business & Global Management	MBA
Duke University Medical Center	1983	ASHP Accredited Hospital Pharmacy Residency	Certification
Philadelphia College of Pharmacy & Sciences	1982	Pharmacy	B.Sc.

## III. EMPLOYMENT HISTORY

<u>TITLE</u>	<u>FROM - TO</u>
PRESIDENT Global BioPharm Solutions, LLC	Aug 2007 - Present
PRESIDENT High Performing Teams, Inc.	Dec 2009 - Present
ASSOCIATE Howe School Alliance for Technology Management (HSATM)	Jun 2009 – Jan 2016
CHIEF EXECUTIVE OFFICER Life-Pack Technologies, Inc.	Jun 2008 – Jan 2009
CHIEF OPERATING OFFICER Life-Pack Technologies, Inc.	Nov 2007 – Jun 2008
PRESIDENT AND GLOBAL CHIEF OPERATIONS OFFICER Bilcare, Inc.	Sep 2005 – Aug 2007
HEAD OF US OPERATIONS Global Clinical Supplies Unit Johnson & Johnson Pharmaceutical Research And Development	Oct 2002 – Sep 2005
MANAGER Investigational Supplies Group McNeil Consumer Pharmaceuticals	Oct 1998 – Oct 2002
MANAGER Investigational Material Department Otsuka America Pharmaceuticals	Aug 1995 – Sep 1998

III.	<b><u>EMPLOYMENT HISTORY (Continued)</u></b>	<b><u>FROM – TO</u></b>
	STAFF PHARMACIST HMO of Delaware	May 1985 – Jul 1987
	STAFF PHARMACIST Brandywine Hospital	Aug 1983 – May 1985
IV.	<b><u>MILITARY EXPERIENCE</u></b>	<b><u>FROM - TO</u></b>
	Major, Aviation Logistics Officer – Promoted, called back to service, then honorably discharged	Apr 2006 – Feb 2007
	Captain, Aviation Battalion Logistics Officer, Maintenance Test Pilot, and Pilot in Command	Sep 1992 – Jun 1995
	Captain, Airfield Operations Officer	Aug 1991 – Sep 1992
	First Lieutenant, Fixed Wing Training	Jun 1991 – Aug 1991
	First Lieutenant, Aviation Maintenance Platoon Leader	Jul 1990 – Jun 1991
	First Lieutenant, Air Cavalry Troop Executive Officer	Sep 1989 – Jul 1990
	Second Lieutenant, Maintenance Test Pilot Training	May 1989 – Sep 1989
	Second Lieutenant, Rotary Wing Pilot Training	Apr 1988 – May 1989
	Sergeant, Officer Candidate School	Oct 1987 – Feb 1987
	Private First Class	Jul 1987 – Sep 1987
V.	<b><u>PRESENTATIONS &amp; PUBLICATIONS</u></b>	
	Glatt Online Webinar Speaker On: <i>Challenges of Today's Clinical Supply Chain – Planning, Shipping, Dtp and Stress in a Covid-19 World</i>	June 2020
	NECSO Online Presentation On: <i>Pull vs Push Clinical Supply Chain Successes - The Value of a Pull Supply Chain Strategy</i>	March 2020
	Clinical Supplies: The Basics & Beyond/Foundations Course (cGMP – Their History and Why We Follow Them, Phases of New Drug Development and Approval, The Clinical Supplies Life Cycle, FDA's Focus on Employee Training, Drug Blinding and Randomization Concepts, Clinical Protocol Interpretation, Patient and Site Compliant Labeling and Packaging, Shipping and Distribution Challenges Returned Drug Accountability, Global Regulatory Changes, Outsourcing: Best Practices, New Technologies in IMPs	Mar 2020 Feb 2019, Oct 2019 Feb 2018, Oct 2018 Mar 2017, Oct 2017 Mar 2016, Sep 2016 Mar 2015, Oct 2015 Apr 2014, Oct 2014 Oct 2013, Apr 2013 Jun 2012, Mar 2011
	Company Presentation On: <i>Cell Therapy Supply Chain Solutions and Understanding Their GMP Requirements</i>	Feb 2020
	Company Presentation On: <i>Win-Win Negotiation Strategies</i>	Feb 2020
		Jan 2020

GCSG Presentation to the Executive Committee on: *Crucial Conversations and How to Handle Confrontation*

**PRESENTATIONS & PUBLICATIONS (Continued)**

	Oct 2019
GCSG Presentations at the European Knowledge Forum in Portugal: <i>The Future of the BioPharma Industry and Building a Culture of Accountability</i>	
Advanced Topics in Clinical Trial Materials (International Clinical Trial Challenges, Controlled Temperature Distribution, Project Management, Interactive Response Technology Beyond 2020, Overcoming Global Cultural Differences, Nimble Clinical Supplies Strategies, Outsourcing and Vendor Management, And the Impact Of The Clinical Trial Regulation)	Oct 2018, Sep 2019 Apr 2018, Nov 2017 Sep 2012, Apr 2010 Oct 2008, Nov 2009 Nov 2007, Oct 2006 Nov 2005, Oct 2004
Clinical Trial Supply Europe Conference, in Brussels, Belgium, Chairman and workshop facilitator on: <i>Planning for the Future of Clinical Trial Supply – Politics, Leadership, New Markets &amp; Budget Cuts</i> Speaker on: <i>Change Management – How To Minimize Its Effect</i>	May 2019
Conference Chair at the Global Clinical Supplies Group (GCSG) Conference, San Antonio, TX workshop on: <i>Growing Accountability in your Department's Culture</i>	Apr 2019
New England Clinical Supplies Organization (NECSO) Meeting speaker on: <i>The Clinical Supply Unit's (CSU's) Role in the e-TMF</i>	Apr 2019
California Regional Investigational Supplies Professionals (CRISP) Meeting speaker on: <i>Block Chain and Artificial Intelligence (AI) in Clinical Supplies</i>	Feb 2019
California Regional Investigational Supplies Professionals (CRISP) Meeting speaker on: <i>Risk Assessment &amp; Risk Management Overview</i>	Oct 2018
California Regional Investigational Supplies Professionals (CRISP) Meeting speaker on: <i>Outsourcing and How The CRO Fits Into the Supply Chain</i>	Mar 2018
Clinical Trial Supply Europe Conference, in London, England, Chairman and facilitator for roundtable on: <i>How Much of Your Supply Chain Should You Be Outsourcing?</i>	Jan 2018
4 <sup>th</sup> Annual European Knowledge Forum Global Clinical Supplies Group (GCSG) Conference, in Vienna, Austria. Facilitated workshop on: <i>Emotional Intelligence and Difficult Conversations</i>	Oct 2017
Conference Chair and Facilitated Global Clinical Supplies Group (GCSG) Conference, Albuquerque, NM, workshop on: <i>Understanding Cultural Differences and Avoiding Communication Disasters</i>	Apr 2017
Clinical Trial Supply Europe Conference, in London, England, Chairman and facilitator for roundtables and panel discussions on: <i>Clinical Supplies Patient Centricity and Managing Remote/Global</i>	Jan 2017

*Supply Management Teams*

V. **PRESENTATIONS & PUBLICATIONS (Continued)**

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|---|-----------|
| Conference Chair for 3 <sup>rd</sup> Annual European Global Clinical Supplies Group (GCSG) Conference, in Malta, and Facilitated workshop on: <i>Emotional Intelligence and Difficult Conversations</i>   | Oct 2016  |
| Master class facilitation, at the 14 <sup>th</sup> Annual Cold Chain GDP and Temperature Management Logistics Global Forum, in Boston for a Master Class on: End-To-End Temperature- Controlled Clinical Trial Logistics: Packaging, Risk-Based Distribution Models, GDP Requirements & Operational Efficiency  | Sep 2016  |
| 4 <sup>th</sup> Biologistics Summit, in San Francisco, Workshop Facilitator on <i>Overcoming Logistical Challenges for Global Clinical Trials</i>   | June 2016 |
| Conference Chair and Facilitated Global Clinical Supplies Group (GCSG) Conference, San Antonio, TX presentation on: <i>Leadership, Coaching and Mentoring of Clinical Supplies Personnel</i>  | Apr 2016  |
| Presentations and facilitation, at the 14 <sup>th</sup> Annual Cold Chain GDP and temperature Management Logistics Global Forum, Canada (Toronto). Presentation on <i>Shipping qualification and validation and facilitation of Master Class</i> on: Temperature Controlled Clinical Trial Materials (CTMs) Packaging Essentials & GDP Essentials: An Introduction to Thermodynamics, Packaging System Options, Risk Based Approaches Used for Distribution, An introduction to GDP Regulations & Guidance and How They Apply to CTMs, Qualification Versus Validation, Fundamentals of Quality Agreements, SOP's and Building Relations with All Supply Chain Stakeholders and How to Apply It in Your Day to Day Operations | Mar 2016  |
| Keynote presentation, at grand opening celebration of IMP Clinical Supply Service Limited in Israel, on <i>Clinical Supplies Obstacles &amp; Challenges for Global Clinical Studies</i>   | Feb 2016  |
| Clinical Trial Supply Europe Conference, in Brussels, Belgium, Chairman and facilitator for roundtables and panel discussions on <i>Tracking Returns, Reconciliation &amp; Destruction to Manage Costs</i> and a roundtable on: <i>Manage your Distribution: Avoid Stock Out at Clinics</i>   | Jan 2016  |
| Presentations and facilitation, at the 13 <sup>th</sup> Annual Cold Chain GDP and temperature Management Logistics Global Forum, Boston for a Master Class on: Temperature Controlled Clinical Trial Materials (CTMs) Packaging Essentials & GDP Essentials: An Introduction to Thermodynamics, Packaging System Options, Risk Based Approaches Used for Distribution, An introduction to GDP Regulations & Guidance and How They Apply to CTMs, Qualification Versus Validation, Fundamentals of Quality Agreements, SOP's and Building Relations with All Supply Chain Stakeholders and How to Apply It In Your Day to Day Operations   | Oct 2015  |
| Conference Chair and Facilitated Global Clinical Supplies Group (GCSG) Conference, San Antonio, TX workshop on: <i>Managing the Devastating Physical and Mental Effects of the</i>  | Apr 2015  |

*Stress of Clinical Supplies*

V. **PRESENTATIONS & PUBLICATIONS (Continued)**

- Presentation at EXL's 9th Forecasting and Optimization of The Clinical Supply Chain Summit, in Philadelphia, PA on: *Leverage Key Practices to Minimize Clinical Trial Drug Supply Issues and Drive Efficacy* Mar 2015
- Clinical Trial Supply Europe Conference, in Frankfurt, Germany, Chairman and facilitator for roundtables and workshop on *Examining Strategies for Effective Labelling of Different Clinical Trial Products* Jan 2015
- Presentation and facilitation, at IQPC Clinical Trial Supply USA, Boston on: *Internal and External Persuasion and Relationship Management* Sep 2014
- Global Training on the following topics, at a large Pharma Corporation for Vaccine and Biologics Division on: Right First Time, Human Error Prevention, Contamination Control, Collaborating Across Boundaries, Handling Regulatory Audits and Inspections, Leadership Boot Camp, Empowering Documentation Success, Vaccine and Sterile Production Technology and Experiential Learning Jun 2011 to Apr 2014
- Conference Chair and Facilitated Global Clinical Supplies Group (GCSG) Conference, Savannah, GA workshop on: *Maximize Your Performance with Enhanced Presentation Skills* Apr 2014
- Facilitated Workshop, for the International Society of Pharmaceutical Engineers (ISPE) Training for Engineering CE Credits at Glaxo Smith Kline, Philadelphia, PA on: *Clinical & Commercial Supply Chain Operations* Jan 2014
- Conference Chair and Workshop Presentation and facilitation, at IQPC Clinical Trial Supply Europe, Frankfurt, Germany on: *Good Distribution Practices (GDPs): Understanding the Changing Global Regulatory Environment to Ensure Compliance & Crisis Management Case Study* Jan 2014
- White Paper: ***A Model for Pharmaceutical Supply Chain Quality Agreements*** (Dec 2013), Rafik H. Bishara, Steve Jacobs, and Dan Bell. Available Online at: <http://www.marken.com/wp-content/uploads/2013/12/A-Model-for-Supply-Chain-Quality-Agreement-Publication-Revision-04DEC20131.pdf>
- Presentation and facilitation, at the Avoca Quality Consortium Group Meeting on: *Influencing Organizational Change For Large, Complex, Matrixed Organizations Using Socialization* Oct 2013
- Presentation and facilitation, at IQPC Clinical Trial Supply US, Boston on: *Building Strong Relationships with External Suppliers in the EU, USA and across the Emerging Markets* Sep 2013
- Presentation and facilitation, at Marken Quality Agreement Conference, Princeton on: *The Evolution of the Quality Agreement & A Quality Agreement Case Study* May 2013
- Conference Chair and Facilitated Global Clinical Supplies Apr 2013

Group (GCSG) Conference, Albuquerque, NM workshop on:  
*Coaching and Mentoring*

V. **PRESENTATIONS & PUBLICATIONS (Continued)**

Conference Chair and Facilitated ExL Pharma's 7<sup>th</sup> Forecasting  
And Optimizing Clinical Supply Chain Conference Workshop:  
*Effectively Building Risk Management Into Your Clinical Supply  
Chain* Mar 2013

Presentation and facilitation, at the International Society of  
Pharmaceutical Engineers (ISPE) – Delaware Valley Chapter  
Meeting, Philadelphia, PA on: *Challenges in the Clinical Supply  
Chain for Emerging Markets* Mar 2013

Presentation and facilitation, at the California Regional  
Investigational Supplies Professional (CRISP) Meeting, San  
Francisco, CA on: *Connecting with All Clinical Development  
Thinking Styles* Mar 2013

Conference Chair and Workshop Presentation and facilitation, at  
IQPC Clinical Trial Supply Europe, Basel, Switzerland on:  
*Selecting the Right Partner and Developing the Perfect  
Relationship to Ensure Quality and On Time Delivery* Jan 2013

Conference Chair and Workshop Presentation and facilitation, at  
IQPC's 4<sup>th</sup> Clinical Trials Supply & Logistics Summit, San Francisco  
on: *Managing Pharma-CRO Partnerships and Vendor-Sponsor  
Relationships* Jun 2012

Workshop Presentation and facilitation, at ExL's 6<sup>th</sup> Forecasting  
& Optimization of the Clinical Supply Chain, Philadelphia, PA on:  
*Successfully Dealing with the Challenges of Forecasting and  
Managing Global Trials* Mar 2012

Workshop Presentation and facilitation, at CBI's 5<sup>th</sup> Annual  
Comparator Studies Conference, Philadelphia, PA on:  
*Collaboratively Sourcing Comparator Products for Highly  
Globalized Studies* Mar 2012

Conference Chair and Workshop Presentation and facilitation, at  
IQPC Clinical Trial Supply Europe, Basel, Switzerland on:  
*Supplier Selection and Management: Perfecting the Sponsor-Vendor  
Relationship to Ensure an Efficient Supply Chain* Feb 2012

Workshop presentation and facilitation at CBI's 6<sup>th</sup> Annual Congress  
on Clinical Supply Chain Management: *Project Management  
Skills for Clinical Supplies Professionals*, with Sandy  
Cook, Ph.D. Jul 2011

Presented at Howe School Alliance for Technology Management  
(HSATM) 20<sup>th</sup> Annual Conference "Innovation in Today's  
Networked World" on: *Innovation is Dying, What Can We Do* Jun 2011

Co-Presented with Keith Gibbs at Interphex 2011 ISPE Educational  
Program: *Project Management Skills in Cross-Generational  
Companies* Mar 2011

Keynote Presentation at CBI's 4<sup>th</sup> Annual Comparators Studies Mar 2011

Conference in Philadelphia on: The Comparator Landscape: Past, Present & Future

V. **PRESENTATIONS & PUBLICATIONS (Continued)**

Facilitated ExL Pharma's 5<sup>th</sup> Forecasting And Optimizing Clinical Supply Chain Conference Workshop: *Establishing A Robust Clinical Supply Chain In Emerging Markets* Mar 2011

Presented at CBI's 1<sup>st</sup> Annual Clinical Comparators Conference In London on: *How to Blind Comparators for Global Studies* Jan 2011

Presented and Co-Chaired IQPC's Clinical Trial Supply Europe Conference in Rotterdam on: *Selecting the Correct Outsourced Partners and Building the Right Relationship for Effective Vendor Management and Transport and Customs Challenges for Clinical Supplies roundtable and Interactive Crisis Management Roundtable* Jan 2011

Treher, E., Piltz, D., Jacobs, S. (2011) **A Guide to Success for Technical Managers; Supervising in Research, Development and Engineering**, John Wiley and Sons, Inc., Hoboken, NJ.

Presented at the Community of Hope's Employees Day on: *Creating Successful Multi-Generational Workplaces* Dec 2010

Presented at and facilitated the workshop at CBI's 5<sup>th</sup> Annual Clinical Supply West Coast Conference on: *Cold Chain Clinical Supplies Techniques for Overcoming Global Study Challenges with Andy Malcolm* Nov 2010

Presented at and chaired the Clinical Supplies Support Group Meeting on: *GDP's – Good Distribution Practices For Clinical Supplies* Sep 2010

Presented at, chaired and facilitated the workshop at ExL's 4<sup>th</sup> Clinical Supply Forecasting Summit in Philadelphia on: *Key Metrics to Improve Efficiency with the Clinical Supply Chain with Sivakumar Rajagopalan* Apr. 2010

Presented at and chaired CBI's 3rd Annual Conference on Comparator Studies On: *Risk Management of Temperature Controlled and Controlled Substance Comparator Challenges* Mar 2010

Presented for Howe School Alliance for Technology Management on: *Leading Multigenerational Teams* Mar 2010

Presented at CRISP (California Regional Investigational Supplies Professionals) Meeting on: *Risk Management for Temperature Controlled Distribution* Mar 2010

Presented at IQPC's Cool Chain Europe 2010 Conference in Amsterdam on: *Sourcing Local or Global Suppliers for International Clinical Trials and their Cold Chains* Jan 2010

Presented at IQPC's Clinical Trials Logistics Conference on: *Avoiding the Common Mistakes and Pitfalls of Clinical Trial Logistics In Emerging Countries* Dec 2009

Facilitated a workshop at IQPC's Clinical Trials Logistics Dec 2009

Conference on: *Risk Management for Clinical Trial Logistics*

V. **PRESENTATIONS & PUBLICATIONS (Continued)**

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| Co-Presented and Facilitated CBI's 4th Annual<br>West Coast Clinical Supply Chain Conference Workshop<br>On: <i>Managing Costs Without Sacrificing On-Time Delivery,<br/>or Quality of Investigational Medicinal Products (IMP's)</i>   | Oct 2009 |
| Howe School Alliance for Technology Management<br>Presenter and Facilitator for Roundtable on <i>Solutions and<br/>Successful Techniques For Leaders in Multigenerational Workplaces</i>  | Sep 2009 |
| Chairperson and opening remarks for CBI's 4th Annual<br>Clinical Supply Chain Management Conference   | Jul 2009 |
| Howe School Alliance for Technology Management<br>July Roundtable on <i>Challenges for Leaders of Multi-Generational<br/>Teams in Today's Workplace</i>   | Jul 2009 |
| Howe School Alliance for Technology Management<br>Eighteenth Annual Conference on <i>Leadership and the Challenges<br/>of Culture</i>   | Jun 2009 |
| Midwest Clinical Supply Group Meeting, Master of Ceremonies<br>Opening Statement and <i>Where is Our Industry Going</i>   | Apr 2009 |
| ExL's Planning & Forecasting Clinical Supplies Conference<br>Chairperson and Opening Remarks for the Meeting  | Apr 2009 |
| <i>Current Issues in Technology Management, Volume 13, Issue 1</i> (Spring 2009),<br><b>Turning Innovative People into High Performing Teams,</b><br>Howe School Alliance for Technology Management. Stevens Institute<br>of Technology |          |
| Clinical Supplies & Support Group (West Coast) Meeting<br><i>Building and Maintaining Effective Relations/Communications<br/>with Clinical Operations</i>   | Nov 2008 |
| CBI's West Coast Clinical Supplies Forum<br>Opening Remarks and Chairperson for the Meeting   | Oct 2008 |
| Midwest Clinical Supply Group Meeting, Hosted by Bilcare<br><i>Influencing Outcomes in Global Organizations</i>   | Apr 2008 |
| Clinical Supplies & Support Group (West Coast) Meeting<br><i>How to Be Successful in Clinical Trial Materials</i>   | Jan 2008 |
| Clinical Supplies & Support Group (East Coast) Meeting<br><i>Adaptive Trial Designs and Clinical Supplies Challenges</i>  | Jan 2008 |
| Clinical Supplies & Support Group (East Coast) Meeting<br><i>Building Cultural Competence in the Clinical Supply Chain<br/>(How to Avoid Faux Pas)</i>  | Sep 2007 |
| DIA – 43 <sup>rd</sup> Annual Meeting<br><i>India – A Passage to India an Emerging Clinical Supplies Market</i>   | Jun 2007 |
| EPICS (Equal Partners in Clinical Supplies) Meeting<br>Clinical Supplies Project Management   | Jun 2007 |



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|      | Midwest Clinical Supply Group Meeting, Hosted by Lilly<br><i>Emotional Intelligence in Clinical Supplies</i>  | May 2007                                  |
| V.   | <b><u>PRESENTATIONS &amp; PUBLICATIONS (Continued)</u></b>  |   |
|      | Clinical Supplies Forecasting Summit<br><i>Optimizing Global Communication and Avoiding Cultural Pitfalls to Better Predict and Deliver Clinical Supplies</i>   | Apr 2007                                  |
|      | ISPE 2006 Annual Meeting<br><i>India – Emerging Clinical Supplies Market From E.M. Forster to Today</i>   | Nov 2006                                  |
|      | Howe School Alliance Conference: The Creativity–<br>Innovation Connection<br><i>Leadership for Creativity and Innovation</i>  | Jun 2006                                  |
|      | Midwest Clinical Supply Group Meeting, Hosted by VA Coop Studies<br><i>Leadership &amp; Management in CTM</i>   | May 2006                                  |
|      | EPICS Meeting<br><i>Leadership in Clinical Supplies</i>   | Apr 2006                                  |
|      | Monkhouse, D.C., Carney, C.F., Clark, J.L. editors. (2006), <b>Drug Products for Clinical Trials</b> , Second Edition, Taylor & Francis Group, New York, NY. Co-Authored Chapter “Overseas Trials” with Frank Reale and Diane Mustafa (Chapter 11, pgs. 277-290). |   |
|      | Clinical Trials in India Conference - Mumbai, India<br><i>Global Challenges for Clinical Trial Supplies</i>   | Oct 2005                                  |
|      | Midwest Clinical Supply Group Meeting, Hosted by Abbott<br><i>Moving from National to Global Clinical Trials Supply Systems</i>   | Apr 2005                                  |
|      | Vision in Business Clinical Supplies Conference<br><i>Moving from National to Global Clinical Trials Supply Systems</i>   | Nov 2004                                  |
|      | <i>Emotional Intelligence in Clinical Supplies</i>  | Oct 2004                                  |
|      | American Association of Pharmaceutical Scientists Conference:<br><i>In-House Clinical Manufacturing Unit vs. CRO – Opportunities and Challenges or Pros and Cons and Organization of Clinical Operations Units</i>  | Aug 2004                                  |
|      | <i>Worldwide Distribution of Clinical Supplies</i>  | Sep 2003                                  |
|      | <i>Tips and Techniques for Managing People in Clinical Supply Operations</i>  | Apr 2002                                  |
|      | <i>Project Management Workshop</i>  | Feb 2002                                  |
| VI.  | <b><u>ACADEMIC EXPERIENCE</u></b>   |   |
|      | None  |   |
| VII. | <b><u>SOCIETY MEMBERSHIPS</u></b>   |   |
|      | Global Clinical Supplies Group (GCSG), Inc. Chairman of the Board of Directors formerly the Midwest Clinical  | <b><u>FROM - TO</u></b><br>2008 – Present |

Supplies Group (MCSG)

VII. <b><u>SOCIETY MEMBERSHIPS (Continued)</u></b>	<b><u>FROM - TO</u></b>
Association for Talent Development (ATD), previously American Society for Training & Development (ASTD), Philadelphia Chapter, President	2009 – 2017 2013
American Society for Training & Development (ASTD), Philadelphia Chapter, President Elect	2012
American Society for Training & Development (ASTD), Philadelphia Chapter, VP of Special Interest Groups (SIGs)	2010 (Feb) – 2012 (Jan)
MCSG Advisory Board Member	2002 – 2008
MCSG Steering Committee Member	1997 – 2002
MCSG Co-Chair for 2001 Annual Meeting	2000 – 2001
Equal Partners in Clinical Supplies (EPICS)	2004 – 2013
Clinical Supplies Support Group Steering Committee Member	1996 – 2008
International Society of Pharmaceutical Engineers (ISPE)	2005 – 2007
Drug Information Association	2006 – 2007
Investigational Material Discussion Group	1997 – 2005