

# Laila Kott (PhD)

## Publications and Presentations

### Publications

---

---

- Development of a Continuous Flow Synthesis of Ezogabine: Process Optimization and Intensification, OPRD *in press*.
- Editor for Process Analytical Technology in Pharma and contributed chapter on: Regulatory Considerations in PAT, Jenny Stanford Publishing, U.S.A., in press due out April 2025.
- Z. Ji, J. Petrovic, and L.Kott. (2021) Analysis of Boronic Compounds as Potential Mutagenic Impurities in Drug Substances by GC-MS. *Pharmaceutical Technology* **39(12)**:588-592.
- G.K. Webster and L.Kott (Eds.) Chromatographic Methods Development (2020) Pan Stanford, USA .
- H.H.Gong, N.Ihle, M.T.Jones, K.Kelly, L.Kott, T.Raglione, S.Whitlock, Q.Zhang and J.Zheng (2018) Control Strategy for Small Molecule Impurities in Antibody-Drug Conjugates. *AAPS PharmSciTech* **19(3)**:971-977. DOI:10.1208/s12249-017-0943-6
- R.G.Bell, and L.Kott (2017) Chapter 17: Regulatory Considerations in Dissolution and Drug Release of BCS Class II and IV Compounds in Poorly Soluble Drugs: Dissolution and Drug Release Pan Stanford, U.S.A.
- L.Kott, J.Petrovic, D.Phelps, R. Roginski and J. Schubert. (2014) Determination of a Low-Level Percent Enantiomer of a compound with No Ultraviolet Chromophore Using Vibrational Circular Dichroism (VCD): Enantiomeric Purity by VCD of a Compound with three chiral centers. *Applied Spectroscopy* **68(10)**:1108-1115. DOI: 10.1366/13-07112
- E. Hewitt, L.Kott, J. Wang, N. Yankauskas and C.L. Franklin. (2014) A New Approach to Forced Degradation Studies Using Anhydrous Conditions. *Pharmaceutical Technology* **38(3)**:64-70.
- L.Kott (2014) Chapter 10: Supercritical Fluid Chromatography-Mass Spectrometry in Supercritical Fluid Chromatography Pan Stanford, U.S.A.
- G.K. Webster, T.F. Cullen and L.Kott (2013) Chapter 2: Method Transfer Between HPLC and UHPLC Platforms in Ultra-High Performance Liquid Chromatography and its Applications Wiley, Hoboken, NJ.
- L.Kott. (2013) An Overview of Supercritical Fluid Chromatography Mass Spectrometry (SFC-MS) in the Pharmaceutical Industry. *American Pharmaceutical Review* **January/February 2013** **16(1)**:26-31.
- L. Brown, G.K. Webster, L.Kott, N.K.R. Rao, T.A. Luu, R. Shah and L. Henriques. (2011) Novel Coated Cellulose Carbamate Silica Based Phase to Enhance Selectivity of Compounds of Pharmaceutical Interest. *Pharmaceutica Analytical Acta* **2(7)**:134-138. DOI: 10.4172/2153-2435.1000134
- G.K. Webster and L.Kott (2011) Chapter 7: Method Development for Pharmaceutical Chiral Chromatography, in Handbook of Modern Pharmaceutical Analysis, 2nd Ed. Elsevier, Oxford, UK.
- L.Kott and H.M. Chen. (2010) Experimental Considerations in Headspace Gas Chromatography: Amines, *Pharmaceutical Technology* **34(5)**:74-79.
- J. R. Porter, R. Ahn, V. Ammoscato, B. Arsenault, B. C. Austad, J. Basuki, M. R. Booth, M. J. Campbell, B. Carter, M. Curtis, K. Depew, M. A. Douglas, J. Ge, N. Goltz, L. Grenier, J. Helble, D. Ionescu, L. Kott, J. T. Kropp, J. Lee, K. Li, B. Maurer, R. H. Pak, J. Piotrowski, J. R. Porter, D. Rusch,

G. E. Sylvester, S. Wong, and J. Wright. (2008) Pharmaceutical Development of IPI-504, an Hsp90 Inhibitor and Clinical Candidate for the Treatment of Cancer. *Am Assoc Cancer Res Educ Book* **2008**: 437-439.

- L.Kott, W.B. Holzheuer, M.M. Wong and G.K. Webster. (2007) An Evaluation of Four Commercial Chiral Detectors: PDR Chiral Advanced Laser Polarimeter, IBZ Chiralyzer, Jasco's Optical Rotary Dispersion Detector and Jasco's Circular Dichroism Detector., *Journal of Biomedical and Pharmaceutical Analysis* **43(1)**:57-65. DOI: 10.1016/j.jpba.2006.06.015
- G.K. Webster, L.Kott and T.D. Maloney. (2005) Considerations when implementing automated methods in GxP laboratories. *Journal of the Association for Laboratory Automation* [June 2005] **10(3)**:182-191. DOI: 10.1016/j.jala.2005.03.003
- L.Kott, E.H. Braswell A.L. Shrout and R.M. Weis. (2004) Distributed subunit interactions in CheA contribute to dimer stability: a sedimentation equilibrium study. *Biochimica et Biophysica Acta* **1696**:131-140.
- L. Kott and R.M. Weis. (2001) The oligomerization of the kinase CheA from bacterial chemotaxis. *Biophysical Journal* **80(1)**:1001.

## Presentations

---

- **September 2015:** *Invited speaker*, Presented "Quantitation of Enantiomers by Vibrational Circular Dichroism." L.Kott, at Sciex (FACSS) 2015, September 28 to October 2, 2015 Providence, RI.
- **March 2015:** *Invited speaker*, Presented "An Overview of Supercritical Fluid Chromatography Mass Spectrometry (SFC-MS) in the Pharmaceutical Industry." L.Kott, at Pittcon 2015, March 6 to 13, 2015 New Orleans, LA.
- **June 2013:** *Invited speaker*, Presented "Analytical Challenges of Fixed Dose Drug Combination Tablets." L.Kott, at the 55<sup>th</sup> Annual International Industrial Pharmaceutical Research and Development Conference, June 4 to 6, 2013 Land of Lakes, Madison, WI.
- **November 2012:** *Invited speaker*, Presented "An Overview of Supercritical Fluid Chromatography— Mass Spectrometry in the Pharmaceutical Industry." L.Kott, at the 2012 Eastern Analytical Symposium and Exposition, Somerset, NJ.
- **February 2007:** Presented the paper "An Evaluation of Four Commercial Chiral Detectors: PDR Chiral Advanced Laser Polarimeter, IBZ Chiralyzer, Jasco's Optical Rotary Dispersion Detector and Jasco's Circular Dichroism Detector." L.Kott, W.B. Holzheuer, and G. K. Webster, at Pittcon in Chicago, IL (Partially supported by Jasco Inc.)
- **June 2001:** "CheA Behavior at High Protein Concentrations." L.Kott, E.H. Braswell and R.M. Weis. Poster at the 30<sup>th</sup> Annual NERM ACS Meeting, University of New Hampshire, Durham, NH.
- **February 2001:** "The Oligomerization of CheA at High Concentrations." L.Kott, E.H. Braswell and R.M. Weis. Poster at the 45<sup>th</sup> Annual Biophysical Society Meeting, Boston, MA.
- **November 2000:** "Oligomerization of a Bacterial Signaling Protein Studied by Analytical Ultracentrifugation." L. Kott and R.M. Weis. Presentation at the 2<sup>nd</sup> Annual Bioanalytical Initiative Symposium, at the University of Massachusetts, Amherst, MA.
- **January 2000:** Participated in the Gordon Conference: Sensory Transduction in Microorganisms. Ventura, CA.
- **June 1997:** "Current Methods of Soil and Water (Bio)remediation in Latvia." (Baltec Associates, SIA) Seminar presented to the Department of Chemistry, University of Latvia, Latvia.

- **May 1994:** "Thermodynamics of Arsenate Sorption From Aqueous Solutions Using Polymer Sorbents." L. Kott and G.L. Rempel. Poster at the IPR (Institute of Polymer Research) Symposium, at the University of Waterloo, Canada.