# Patrick John Crowley: Publications

*From Curriculum Vitae*

- Preservation of Pharmaceutical Dosage Forms: Chapter 38 in Block's Disinfection, Sterilization, and Preservation, 6th edition. Co-author with DP Elder (in Press).
- Fixed Dose Combinations (Book Chapter): co-author with LG Martini, SM Maglennon, D Templeton (in Press).
- Quality by Design for Generic Products: Opportunities and Challenges: (co-author with S McCallion): European Pharmaceutical Review:
  - Part One: Issue 6 2016: Part 2 Issue 1: 2017.
- White Paper: Pharmaceutical Quality Metrics (Jan 2016): Xavier Health, Xavier University, Cincinnati/PWC Consultants (co-author/contributor).
- Redesigning Drugs to Enhance Performance (Co-author with Prof L.G.Martini); Pharma Focus Asia; Issue 23 (2015), p 20-27.
- Optimizing Drug Delivery: The Challenges and Opportunities: Co-author with Prof LG Martini: June 2015 ONdrug delivery (2015) **59** 4-11.
- A European Competence Framework for Industrial Pharmacy Practice in Biotechnology Co-author with various Academic/Industrial Scientists: Pharmacy (2015) 3, 101-128; doi:10.3390/pharmacy3030101.
- Controlling Release from Dosage Forms: The Future (co-author with Professor LG Martini and Dr S Ibrihim); American Pharmaceutical Review; June 2012.
- Antimicrobial Preservatives (co-author with Dr David P Elder): January 2012
  Part I: Choosing a Preservative System.
  http://www.americanpharmaceuticalreview.com/Specialty/Formulation_Development/Featured-Articles/38885-Antimicrobial-Preservatives-Part-One-Choosing-a-Preservative/
  Part II: Choosing a Preservative;
  http://www.americanpharmaceuticalreview.com/Specialty/Formulation_Development/Featured-Articles/38885-Antimicrobial-Preservatives-Part-Two-Choosing-a-Preservative/
  Part III : Challenges Facing Preservative Systems;
  http://www.americanpharmaceuticalreview.com/Specialty/Formulation_Development/Featured-Articles/38874-Antimicrobial-Preservatives-Part-Three-Challenges-Facing-Preservative-Systems/
- Excipients: Why We Need to Know them Better (with Professor LG Martini): World Pharmaceutical Frontiers, Sept 2011.
- Excipients in Parenteral Products. Chapter126 (with Professor LG Martini). Encyclopaedia of Pharmaceutical Technology: Marcel Dekker New York. 2013.
- Co-Editor with Professor Clive Wilson of Textbook "Dosage Forms for Oral Controlled Release": Controlled Release Society; Springer Publications, 2011; http://dx.doi.org/10.1007/978-1-4614-1004-1.
- Controlling Drug Release in Oral Product Development Programs: An Industrial Perspective (with Professor LG Martini) Chapter 3 in "Dosage Forms for Oral Controlled Release" (Springer Publications, 2011; http://dx.doi.org/10.1007/978-1-4614-1004-1.
- Supply Chain Management in Development Programs: in Chapter 13: Supply Chain Management in the Drug Industry: co-Author with H Rees; JWBS050-Rees; 2010 ISBN-13: 978-0470555170. John Wiley and Sons.
- Effect of Excipients on the Stability of Medicinal Products (with Professor LG.Martini) Chimica Oggi (2010) 28 (5) VII-XI.
- Op-Ed; "Stability Programs need to be Re-invented": GMP Review 8 21-22 (2010)
- Redesigning Drugs to Enhance Performance (with Professor LG.Martini); Pharma Focus Asia; Issue 4 (2007), p 24-30.

- Influence of Ethanol on Release from Hypromellose Matrices (Int.J.Pharmaceutics (2007) ***332*** 31-37. (with Professor LG.Martini and collaborators at The School of Pharmacy; John Moores University, Liverpool, UK.
- Low Dose Lipid Formulations: Effects on Gastric Emptying and Biliary Secretion: Pharm Research (2007) **24** (11) 2084-2096. Co-author with colleagues at GSK, Univ of Strathclyde, UK and Monash University, Melbourne Australia.
- The Influence of Ethanol on Aspirin release for Hypromellose Matrix Tablets (Poster) British Pharmaceutical Conference: Sept 2006 (co-author with MJ Roberts, M Cespi, JL Ford, AM Dyas (all at J Moores Univ Liverpool UK), and LG Martini.
- Formulation Design: New Drugs from Old (with Professor LG Martini): Drug Discovery Today; Therapeutic Strategies (2004) 1 (4) 537-541.
- Physicochemical Approaches to Enhancing Drug Absorption (with Professor LG Martini*):* Pharmaceutical Technologies Europe (2004) **16** (9) 18-2**7.**
- Drug-Excipient Interactions: (Review): Pharm Technology Europe, 2001 13 (3) 26-34. (with Professor LG Martini).
- Enhancing Oral Absorption in Animals: (Review): Current Opinion in Drug Discovery and Development 2001 4 (1) 973-80. (with Professor LG Martini).
- Excipients in Pharmaceutical Products (Chapter): Encyclopoedia of Pharmaceutical Technology: Marcel Dekker New York (2002) 1151-1163 (with Professor LG Martini).
- Solubility Parameter & Oral Absorption: Eur.J.Pharmaceutics & Biopharmaceutics. 1999 48 (3) 259-263. (with Martini.L.G, Avontuur P, George A, Willson R).
- Excipients as Stabilisers. (Review). Pharmaceutical Science and Technology Today; 1999 2 (6) 237-243.
- International Stability Testing (Review). Pharmaceutical Science and Technology Today 1999 2 (6) 227-228.
- Compaction Induced Solid State Reactivity: (Poster) T.D. Sokoloski, K.C. Campbell, P.J. Crowley, M.J. Greenway, C.E. Valder, M. Pudipeddi, and F.X. Muller. AAPS 11th Annual Meeting; 1996. Abstract/PDD 7140, Pharm. Res. 13, S-267, 1996.
- Using Microcalorimetry to Optimize Bioavailability: (Poster) Sokoloski.T, Ostovic.J, Muller.F, Oh.CK, Crowley.P.J, and Baldoni.J.M. AAPS, San Francisco, November 1998 and Pharm. Res. 1, S-490-491.
- A Time-Temperature Indicator Label for use with Thermally Sensitive Products: (Poster): FIP Congress of Pharm Sciences, Munich, Sept 1989.
- The Effect of Temperature and Relative Humidity on the Moisture Vapour Transmission Rates of Blister Materials: (Poster): FIP, Amsterdam, Sept 1987.
- Bacteriological Aspects of Talampicillin: Brit.J.Clin. Pract (1975) 29 (10) P268-9.

## Oral Presentations

- Preservation of Pharmaceutical Products: Education Seminar: New England Chapter – Society of Cosmetic Chemists. Cosmetic Product Preservation. Today's Challenges for Tomorrow's Needs: Worcester Mass, USA, Oct 2018.
- Drug Delivery 2017: The Path Forward: CMC and Quality Considerations: Controlled Release Society Annual Meeting; Boston Mass, July 2017 (Catalent pre-meeting workshop).
- Presentations (3) on Vaccines (Anti Infectives and Immunotherpaeutic Agents), Biopharmaceuticals and CombinationProducts at Pharmaconex Technology Conference; Cairo, Egypt; April 2017.
- Training Programme on Dosage Form Design and Evaluation; The Ministry of Health, Lagos, Nigeria: April 2016.

- Defining and Attaining Target Performance Profiles for Dosage Form Design: SMI Conference, London March 2014
- Quality by Design: Experiences and Perspectives: Drug Delivery and Formulation Asia Summit; Shanghai, China, Oct 2012.
- Process Analytical Technologies in Quality by Design: Quality by Design 2012 Conference, Mumbai, India April 2012.
- Quality by Design, The Science of Stability Testing, Drug Excipient Interactions (3 presentations); International Conference of Pharmaceutical Technologies, Future University of Egypt, Cairo, Egypt; Feb 2012.
- Challenges in Formulating Pediatric Medicines: Formulation Summit: Los Vegas (US) Feb 2012.
- Optimizing Product Life Cycle by Formulation**:** Drug Delivery and Formulation Asia Summit; Shanghai, China, Dec 2011.
- Supply Chain Management in Clinical Trials: GoC Conference; Xavier College, Cincinnati; Oct 2011.
- Formulation Changes in Late Development: Controlled Release Society Meeting: Miami, January 2011.
- Platform Technologies in Oral Drug Delivery: Controlled Release Society Annual Meeting, Portland Oregon; USA; July 2010.
- QbD in Dosage Form Design and Manufacture: Royal Saudi Pharmaceutical Society Conference: Riyadh, Saudi Arabia; April 2010.
- Dosing Strategies for the Elderly: Controlled Release Society Workshop; New York: July 2008.
- Western and Chinese Medicine: Best of Both Worlds: China 2008 Pharmaceutical Summit: Shanghai; China; April 2008.
- Reformulating Medicines to Improve Performance: Evolution Summit: Las Vegas, USA March 2008.
- Life Cycle Management of Biopharmaceuticals: Keynote Speaker; Bio-Forum 2007: Shanghai: China: July 2007.
- New Medicines from Existing Drugs: 10$^{th}$ Healthcare Industry Forum: Beijing, China Oct 2006.
- New Medicines from Current Drugs: Pharmaforum –CPHI: Madrid 2005.
- Formulation for Paediatrics: British Pharmaceutical Conference: Sept 2005.
- Drug-Excipient Interactions: 3$^{rd}$ International Symposium on Excipients: Sept 2003; Stockholm; Sweden.
- Drug and Product Stability: Sino-American Pharmaceutical Association Meeting: Philadelphia, USA; Oct 2002.
- Accelerating Drugs to the Market. The Pharmaceutical Development Perspective: IBC International Conference, London, December 1995/November 1996.
- Formulation of Macromolecules for International Registration; PhMRA Meeting Orlando, Florida, May 1990
- The Role of Pharmaceutical Development in International Drug Development: European Society of Regulatory Affairs, Paris, March 1989.
- Virtual Temperature for Storage in a Tropical Environment: FIP Congress of Pharm Sciences, Amsterdam, September 1987.
- The Activity of Ticarcillin in the Presence of Anti-Cancer Agents: *Chemotherapia* 1983 2 P464-7. Mediterranean Congress of Antimicrobial Therapy, Dubrovnik, Yugoslavia; Sept 1982.
- Dosage Form Development: Conference on Drug Quality, Kuwait, November 1982.
- Pharmaceutical Development and Quality Control: Pharmaceutical Sciences Congress, University of Damascus, Syria, May 1981.