

Accepted Manuscript

Current Challenges and Future Prospects in Chromatographic Method Development for Pharmaceutical Research

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PII: S0165-9936(17)30171-1

DOI: [10.1016/j.trac.2017.07.021](https://doi.org/10.1016/j.trac.2017.07.021)

Reference: TRAC 14969

To appear in: *Trends in Analytical Chemistry*

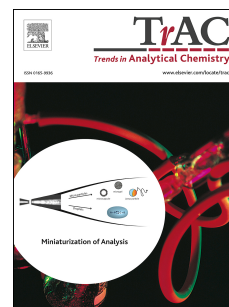
Received Date: 16 May 2017

Revised Date: 20 July 2017

Accepted Date: 20 July 2017

Please cite this article as: F.T. Mattrey, A.A. Makarov, E.L. Regalado, F. Bernardoni, M. Figus, M.B. Hicks, J. Zheng, L. Wang, W. Schafer, V. Antonucci, S.E. Hamilton, K. Zawatzky, C.J. Welch, Current Challenges and Future Prospects in Chromatographic Method Development for Pharmaceutical Research, *Trends in Analytical Chemistry* (2017), doi: 10.1016/j.trac.2017.07.021.

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ABSTRACT:

A survey of different strategies for chromatographic method development in pharmaceutical research and development is presented. Owing to the widespread utilization of chromatography within diverse areas of pharmaceutical research, a variety of strategies for method development have arisen. We survey the current state of the art, discuss recent trends and approaches and highlight future prospects and capability gaps.

Keywords: Liquid Chromatography, Supercritical Fluid Chromatography, Method Development Workflow, Method Screening, Analytical Method Modeling, Quality-by-Design, Pharmaceutical analysis.

Contents

1. Introduction:	2
2. Customized Chromatographic Methods for Specific Workflows	3
3. Progress in Chromatographic Instrumentation Enables Method Development Screening	4
4. Method Screening for Enantiomer Separations	5
5. Method Screening for Reversed Phase Separations	7
6. Method Screening for Other Types of Chromatography	10
7. A Quandary: Dedicated Screening Systems vs. 'On-Again-Off-Again' Systems?	10
8. Parallel Method Development Screening	11
9. Fast Chromatographic Methods	11
10. Method Development for Preparative Chromatographic Separations	12
11. Fit-For-Purpose and Universal Chromatographic Methods	13
12. Chromatography Simulation and Modeling in Method Development	14
13. Future Outlook: Algorithms and Intelligent Systems for Chromatographic Method Development	17
14. Unleashing the power of data: The use of intelligent databases and predictive tools to inform method development and enable knowledge capture.	18
15. Conclusion	19

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