

## Nomination for *LCGC's* 2012 Emerging Leader Award

Candidate: **Debby Mangelings**

Debby Mangelings received her Ph.D. in Pharmaceutical Sciences at the Vrije Universiteit in Brussels, Belgium in 2006.

Her Ph.D. research concerned the evaluation of capillary electrochromatography as a chiral separation technique and the definition of a generic separation strategy. In 2006, she became a postdoctoral fellow of the Research Foundation – Flanders. In 2009 she became an assistant professor and since 2010 she has held a position as a full professor in the department of Analytical Chemistry and Pharmaceutical Technology at the Vrije Universiteit in Brussels, Belgium, where she is collaborating with Prof. Y. Vander Heyden.

Mangelings's research has been mainly focused in the domain of chiral separations. She has been working on both high performance liquid chromatography and miniaturized separation techniques, mainly in capillary electrochromatography (CEC). Her research explores the development of monolithic stationary phases for chiral and nonchiral capillary electrochromatographic separations, the evaluation of new types of particle-based chiral stationary phase by means of CEC, as well as the development and updating of generic chiral separation strategies in different separation modes, including reversed-phase and normal-phase liquid chromatography, polar organic solvent chromatography, CEC, and supercritical fluid chromatography.

Her scientific record includes six book chapters, 49 peer-reviewed papers, 39 oral presentations and 38 poster presentations. Her publications have had 454 citations and her h-index (Scopus) is 12. Recently, she was also a keynote speaker at the 18th International Symposium on Electro- and Liquid Phase-separation Techniques (ITP 2011).

In 2004, at HPCE 2004 (Salzburg, Austria) she received the Applied Physical Chemistry Award of the Istvan Halasz Foundation for outstanding achievements in the field of chromatography, and in 2007 she was the Laureate of the National Prize of the Belgian Society of Pharmaceutical Sciences, awarded for her Ph.D. thesis.

Mangelings has been described as conducting "excellent research" and as "helping to push forward capillary electrochromatography as a relatively new separation technique."