

CURRICULUM VITAE – Peter J. Schoenmakers

Professional titles

Professor and group leader

Analytical Chemistry including its applications in forensic science
University of Amsterdam, Faculty of Science, van 't Hoff Institute for
Molecular Sciences (HIMS)

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Editor

Journal of Chromatography A (including electrophoresis, mass
spectrometry and other separation and detection methods), Published
by Elsevier Science

Biographic highlights

Born June 17th, 1954 in Schiedam, The Netherlands.

Resident of Oudkarspel, The Netherlands.

Married (1984) to Dana W. Conron of New Canaan, CT, USA.

One daughter (Bonnie, 1990).

Higher education

1971-1977 Technical University of Delft (The Netherlands),

Department of Chemical Engineering.

Masters thesis:

*Possibilities for describing chromatographic selectivity using solubility
parameters.*

1977-1982 Technical University of Delft (The Netherlands), graduate
studies in analytical chemistry (Prof.L.de Galan).

Ph.D. thesis:

*A systematic approach to mobile-phase effects in reversed-phase
liquid chromatography.*

1978 Northeastern University, Boston, MA, USA, Institute of Chemical
Analysis, Applications and Forensic Science (presently Barnett
Institute). Nine months of research in chromatography with Prof. B.L.
Karger.

Industrial occupation

1983-1992 Philips Research Laboratories, Eindhoven, The
Netherlands.

1983-1989 *Research Chemist*

1989-1992 *Head of Organic-Analytical-Chemistry Group*

1992-2002 Koninklijke/Shell Laboratorium, Amsterdam, The
Netherlands

(since 1996: Shell Research and Technology Centre, Amsterdam)

1992-1994 *Senior Research Chemist*

1994-1996 *Group Leader*, Chromatography Group (size ca. 16),
Analytical Department

1996-1997 Shell Westhollow Technology Center, Houston, TX, USA

Exchange Scientist (12 months)

1997-2000 *Principal Research Chemist*, Analytical-Separations Department

2000-2002 *Principal Scientist* and member of the Leadership Team Analytical-Chemistry Department.

Academic occupation

1998- Professor and group leader

Polymer-analysis group, University of Amsterdam

1998-2002 Part-time (50%)

2002- Full-time

Main courses taught

- General Chemistry (1st year B.Sc.)
- Analytical Chemistry (2nd year B.Sc.)
- Nanomaterials (3rd year B.Sc.)
- (Analytical) Separation Science (1st year M.Sc.)
- Industrial Analysis (1st/2nd year M.Sc.)
- Café (Chemical Analysis and Forensic Evidence, 2nd year M.Sc.)
- Polymer separations (External)
- Method development in chromatography (External)
- Two-dimensional liquid-phase separations (External)

Main research area: Polymer separations

- Size-Exclusion Chromatography
- (Interactive) Liquid Chromatography
- Comprehensive Two-Dimensional Liquid Chromatography
- Molecular-topology fractionation
- Matrix-Assisted Laser-Desorption/Ionization Mass Spectrometry
- Pyrolysis gas chromatography – mass spectrometry
- Applications in polymer science and technology

Analytical separation science

- Preparation and application of monolithic columns
- Nanotechnology (chip-based separations)
- Optimization of one-dimensional and two-dimensional separations
- Spatial separations
- Data handling and chemometrics

Research area in development

Forensic analytical chemistry

Editorship

2003- Editor of The Journal of Chromatography A (including electrophoresis, mass spectrometry and other separation and detection methods), Published by Elsevier Science

Publications

(Co-)author of more than 160 papers on chromatography and other areas within analytical chemistry (5068 citations and H 37).

(Co-)author of several patents on instrumentation and software for chromatography and FTIR spectroscopy.

Author of a book on *Optimization of Chromatographic Selectivity* (Elsevier, 1986); Contributing author and (Co-)editor of several other books.

Editorial and advisory boards

Analytical Chemistry (A page panel 1996 – 2000; Editorial Board 2001 – 2003)

Chromatographia

Journal of Separation Science

Chromatography Monograph series of the Royal Chemical Society

LC-GC Magazine and LC-GC International

Polymer Chemistry

Chromedia (Web-based community publishing)

Symposium organization (highlights)

Chairman of the organizing committee of the series of International Symposia on the Separation and Characterization of Natural and Synthetic Macromolecules, (SCM series; Amsterdam, 2003; 2005; 2007; 2009).

Chairman of the organizing committee of "Hyphenated Techniques in Chromatography" (HTC-11, Bruges, Belgium, 2010).

Member of the Permanent Scientific Committee of the symposium series on High-Performance Liquid-Phase Separations and Related techniques (HPLC Series).

Chairman of the organizing committee of the International Symposium on High-Performance Liquid-Phase Separations ("HPLC 2013", June 13th- 18th 2013, Amsterdam, NL).

Member of the organizing committee of the 25th International Symposium on High-Performance Liquid-Phase Separations ("HPLC 2001", Maastricht, NL).