

# SHORT COURSES

## GC

### GC

2–4 December, Orlando, FL; 8–10 January, Los Angeles, CA; 5–7 February, Las Vegas, NV; 1–3 March, Tuscon, AZ; 2–4 April, Orlando, FL; 7–9 May, Pittsburgh, PA; 4–6 June, Baltimore, MD; 9–11 July, Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

### Techniques of GC

11–15 December, Chicago, IL.

**Contact:** Agilent Technologies; tel. (800) 227-9770, Web site: <http://www.chem.agilent.com/scripts/education.asp>.

### Techniques in GC-MS

11–15 December, Chicago, IL; 12–14 December, Wilmington, DE.

**Contact:** Agilent Technologies; tel. (800) 227-9770, Web site: <http://www.chem.agilent.com/scripts/education.asp>.

### Headspace GC Theory and Technology

31 Jan–1 Feb, Orlando, FL.

**Contact:** Agilent Technologies; tel. (800) 227-9770, Web site: <http://www.chem.agilent.com/scripts/education.asp>.

### Fundamental Gas Chromatography and Data Handling

6–7 February, Shelton, CT; 10–11 April, Atlanta, GA; 12–13 June, San Jose, CA.

**Contact:** PerkinElmer LAS; tel. (800) 762-4000 x4, Web site: <http://las.perkinelmer.com/trainings/coursesearch.htm>.

### GC Columns and Troubleshooting

6–7 February, Shelton, CT; 8–9 February, Shelton, CT; 10–11 April, Atlanta, GA; 12–13 April, Atlanta, GA; 12–13 June, San Jose, CA; 14–15 June, San Jose, CA.

**Contact:** PerkinElmer LAS; tel. (800) 762-4000 x4, Web site: <http://las.perkinelmer.com/trainings/coursesearch.htm>.

## HPLC

### Advanced HPLC Method Development

4–5 December, Chicago, IL; 26–27 March, Somerset, NJ; 16–17 April, Rosemont, IL;

14–15 May, Foster City, CA.

**Contact:** LC Resources; tel. (800) 379-5221, e-mail: [info@lcreources.com](mailto:info@lcreources.com), Web site: <http://www.lcreources.com>.

### HPLC: Principles and Applications

4–6 December, Orlando, FL; 5–9 January, Los Angeles, CA; 5–6 February, Las Vegas, NV; 1–2 March, Tuscon, AZ; 4–5 April, Orlando, FL; 14–15 May, Pittsburgh, PA; 11–12 June, Baltimore, MD; 2–3 July, Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

### The Practice of Modern HPLC

7–8 December, Chicago, IL; 29–30 March, Somerset, NJ; 19–20 April, Rosemont, IL; 17–18 May, Foster City, CA.

**Contact:** LC Resources; tel. (800) 379-5221, e-mail: [info@lcreources.com](mailto:info@lcreources.com), Web site: <http://www.lcreources.com>.

### HPLC Troubleshooting and Diagnostics

7 May, Baltimore, MD; 8 May, Philadelphia, PA; 9 May, Saddle Brook, NJ.

**Contact:** LC Resources; tel. (800) 379-5221, e-mail: [info@lcreources.com](mailto:info@lcreources.com), Web site: <http://www.lcreources.com>.

## LC-MS

### Techniques of Modern LC

30 Jan–2 Feb, Alpharetta, GA.

**Contact:** Agilent Technologies; tel. (800) 227-9770, Web site: <http://www.chem.agilent.com/scripts/education.asp>.

### Bioanalytical LC-MS

15–16 February, Somerset, NJ.

**Contact:** LC Resources; tel. (800) 379-5221, e-mail: [info@lcreources.com](mailto:info@lcreources.com), Web site: <http://www.lcreources.com>.

### Fundamental LC

20–21 February, San Jose, CA; 1–2 May, Shelton, CT.

**Contact:** PerkinElmer LAS; tel. (800) 762-4000 x4, Web site: <http://las.perkinelmer.com/trainings/coursesearch.htm>.

### LC-MS

11–13 December, Orlando, FL; 6–7 Janu-

ary, Los Angeles, CA; 10–11 February, Las Vegas, NV; 14–15 March, Tuscon, AZ; 1–2 April, Orlando, FL; 3–4 May, Pittsburgh, PA; 6–7 June, Baltimore, MD; 11–12 July, Sydney, Australia.

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## Miscellaneous

### Capillary Electrophoresis:

#### Practical Capillary Electrophoresis

**Contact:** CE Technologies; tel. (914) 238-0518, e-mail: [robertweinberger@aol.com](mailto:robertweinberger@aol.com).

### Expert Witness Practices for Scientists

1 December, Orlando, FL; 5 January, Los Angeles, CA; 2 February, Las Vegas, NV; 1 March, Tuscon, AZ; 11 April, Orlando, FL; 28 May, Pittsburgh, PA; 18 June, Baltimore, MD; 20 July, Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

### Activated Carbon Adsorption Principles, Practices, Opportunities

1–2 December, Orlando, FL; 23–24 January, Los Angeles, CA; 13–14 February, Las Vegas, NV; 13–14 March, Tuscon, AZ.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

### Mass Spectral Interpretation: Beginner

2–4 December, Orlando, FL; 10–12 January, Los Angeles, CA; 9–11 February, Las Vegas, NV; 3–5 March, Tuscon, AZ; 4–6 April, Orlando, FL; 9–11 May, Pittsburgh, PA; 6–8 June, Baltimore, MD; 11–13 July, Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

### CE: Principles and Applications

4–6 December, Orlando, FL; 10–11 January, Los Angeles, CA; 7–8 February, Las Vegas, NV; 5–6 March, Tuscon, AZ; 2–3 April, Orlando, FL; 17–18 May, Pittsburgh, PA; 14–15 June, Baltimore, MD; 4–5 July,

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Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

## **Laboratory Compliance Workshop**

4–8 December, Alpharetta, GA.

**Contact:** Agilent Technologies; tel. (800) 227-9770, Web site: <http://www.chem.agilent.com/scripts/education.asp>.

## **Theory and Practice of Gel Permeation Chromatography**

5 December, Milford, MA.

**Contact:** Waters Corporation; tel. (800) 252-4752 x8704, fax (508) 872-1990, Web site: <http://www.waters.com>.

## **Mass Spectral Interpretation: Intermediate**

4–6 December, Orlando, FL; 12–14 January, Los Angeles, CA; 9–11 February, Las Vegas, NV; 3–5 March, Tuscon, AZ; 6–8 April, Orlando, FL; 11–13 May, Pittsburgh, PA; 8–10 June, Baltimore, MD; 13–15 July, Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

## **AA/GFAA/ICP: Intermediate**

11–12 December, Orlando, FL; 27–28 January, Los Angeles, CA; 10–11 February, Las Vegas, NV; 12–13 March, Tuscon, AZ; 3–4 April, Orlando, FL; 5–6 May, Pittsburgh, PA; 8–9 June, Baltimore, MD; 13–14 July, Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

## **Practical Proteomics**

11–13 Dec, University of Warwick, UK.  
**Contact:** Dr. Charlotte Moonan (Short Courses), Department of Biological Sciences, The University of Warwick, Coventry CV4 7AL, UK; tel. 024 7652 3540, fax 024 7562 3701, e-mail: charlotte.moonan@warwick.ac.uk, Web site: <http://www2.warwick.ac.uk/fac/sci/bio/shortcourses/calendar/>

## **Quality Assurance of Chemical Measurements**

14–15 December, Orlando, FL; 18–19 January, Los Angeles, CA; 8–9 February, Las Vegas, NV; 8–9 March, Tuscon, AZ; 3–4 April, Orlando, FL; 21–22 May, Pittsburgh, PA; 11–12 June, Baltimore, MD; 16–17 July, Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

## **ICP-MS**

11–13 December, Orlando, FL; 6–7 January, Los Angeles, CA; 10–11 February, Las Vegas, NV; 14–15 March, Tuscon, AZ; 1–2 April, Orlando, FL; 3–4 May, Pittsburgh, PA; 6–7 June, Baltimore, MD; 11–12 July, Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

## **Mass Spectral Interpretation: Advanced**

6–9 December, Orlando, FL; 12–14 January, Los Angeles, CA; 9–11 February, Las Vegas, NV; 5–7 March, Tuscon, AZ.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

## **Interpretation of Mass Spectra Course**

12–14 December, Anaheim, CA.

**Contact:** Agilent Technologies; tel. (800) 227-9770, Web site: <http://www.chem.agilent.com/scripts/education.asp>.

## **Practical Separations of Biopharmaceuticals**

14–15 December, Foster City, CA; 15–16 February, Foster City, CA.

**Contact:** LC Resources; tel. (800) 379-5221, e-mail: [info@lcresources.com](mailto:info@lcresources.com), Web site: <http://www.lcresources.com>.

## **Toxicology or OSHA Lab Safety Standard**

14–15 December, Orlando, FL; 3–4 January, Los Angeles, CA; 1–2 February, Las Vegas, NV; 5–6 March, Tuscon, AZ; 12–13 April, Orlando, FL; 18–19 May, Pittsburgh, PA; 19–20 June, Baltimore, MD; 16–17

July, Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

## **Environmental Data Validation – Organic and Inorganic**

16–17 December, Orlando, FL; 20–21 January, Los Angeles, CA; 10–11 February, Las Vegas, NV; 10–11 March, Tuscon, AZ; 5–6 April, Orlando, FL; 23–24 May, Pittsburgh, PA; 13–14 June, Baltimore, MD; 18–19 July, Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

## **Laboratory Compliance Workshop**

22–23 January, Alpharetta, GA.

**Contact:** Agilent Technologies; tel. (800) 227-9770, Web site: <http://www.chem.agilent.com/scripts/education.asp>.

## **Technical Writing**

22–23 January, Los Angeles, CA; 5–6 February, Las Vegas, NV; 19–20 March, Tuscon, AZ; 19–20 April, Orlando, FL; 30–31 May, Pittsburgh, PA; 18–19 June, Baltimore, MD; 5–6 July, Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

## **LIMS Course-Lab Information Management Systems**

29–30 January, Los Angeles, CA; 5–6 February, Las Vegas, NV; 1–2 March, Tuscon, AZ; 5–6 April, Orlando, FL; 19–20 May, Pittsburgh, PA; 18–19 June, Baltimore, MD; 9–10 July, Sydney, Australia.

**Contact:** Henry Nowicki; tel. (800) 367-2587, fax (724) 457-1214, e-mail: hnpacs@aol.com, Web site: <http://pacslabs.com>.

## **Laboratory Investigation Workshop**

7–8 February, Alpharetta, GA.

**Contact:** Agilent Technologies; tel. (800) 227-9770, Web site: <http://www.chem.agilent.com/scripts/education.asp>.