

CW-EPR Training Course

March 8 - 10, 2017

**ELEXSYS, EMX and EMXnano
Spectrometers**

Bruker BioSpin GmbH Rheinstetten

Wednesday, March 8

09.15 - 09.30 Welcome

09.30 - 10.30 Theory of EPR

10.30 - 11.00 *Coffee Break*

11.00 - 12.00 Basic Experimental Methods

- Microwave Bridge and Cavity Tuning
- Signal Channel
- Magnetic Fields
- Parameter Optimization
- Instrumental Effects

12.00 - 13.30 *Lunch Break*

13.30 - 17.00 Practical Sessions

- Spectrometer Configuration
- Tuning and Calibration
- Acquisitions
- Spectrometer Parameter Optimization
- Instrumental Effects
- Aqueous solutions

Thursday, March 9

09.15 – 09.45 Resonator Selection

09.45 - 10.45 Accessories

- Q-Band
- Transient EPR
- Marker
- ENDOR

10.45 - 11.15 **Coffee Break**

11.15 - 12.00 Special Techniques

- Xenon
- SpinCount
- SpinFit

12.00 - 13.30 **Lunch Break**

13.30 - 17.00 Practical Sessions
For Data Acquisition Processing Routines
(Peak-picking, DI, filtering, saturation, 1D, 2D)

19:30 **Get-together**

Friday, March 10

09.15 - 10.00	Table-top Instruments
10.00 - 10.15	<i>Coffee Break</i>
10.15 - 12.00	Special Topics of Interest of the Participants
12.00 - 13.30	<i>Lunch Break</i>
13.30 - 16.00	Special Topics of Interest of the Participants
16.00	End of Training Course