



\*QUALITY & STATISTICS!

# WORKSHOP



## Your Benefits at a Glance

- Get a practical understanding of the statistical basis behind method validation according to ISO 5725-2
- Understand the updated principles of proficiency testing according to the new ISO 13528 and ISO 17043
- Learn to visualize relationships between data in intuitive ways
- Get an introduction to sophisticated result interpretation methods to get the most out of your data

## QuoData Workshops: Expanding Your QA Knowledge

QuoData's regular workshops disseminate the know-how acquired through more than 20 years' experience in analytical quality assurance. The Workshop for the Evaluation of Interlaboratory Studies gives participants the opportunity to get a clear understanding of the standards behind proficiency testing (PT) and method validation (MV). Throughout the workshops, participants are given the opportunity to get hands-on experience applying the methods discussed in the presentations by means of practical examples based on real-life data.

You can feel confident in our instructors who have many years of experience teaching and are also recognized members of national and international committees for quality assurance standards.

## \*Workshop for the Evaluation of Interlaboratory Studies

Working with PROLab  
19 - 21 September 2018, Berlin

Workshop Language \_ English

Dates \_ 19 - 21 September 2018

Location \_ Ansbacher Straße 11, 10787 Berlin

Registration \_ to register, use our online form available at:  
<http://quodata.de/registration.php>

Feel free to register for all three days or pick the days which are most interesting to you.

Contact

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\*Please note that the number of participants is limited to 10.

## Participation Fee

Fees for the workshop depend on the respective license agreement. Non-licensees are charged a fee of 1,575 €. If a QuoData software license is purchased within 2018, the fee will be subtracted. Fees do not include VAT. If the seminar is cancelled by QuoData GmbH, paid fees will be fully refunded. Further claims for compensation against QuoData GmbH are excluded.

We reserve the right to cancel or reschedule the workshop due to a lack of demand.\*



# OUTLINE



## Reports, Sample Characterization and Evaluation Across Samples Thursday, 9 am – 5 pm

- Efficient customization and generation of reports using PROLab
- Homogeneity and stability testing
  - Statistical basics
  - Stability testing with mqVAL
- Youden plot and laboratory assessment across samples
- Reference material characterization by means of inter-laboratory studies

## Basics in Proficiency Testing and Method Validation Wednesday, 10:30 am – 5 pm

- Method validation according to ISO 5725-2
  - Statistical basics
  - Practical evaluation with PROLab
- Proficiency testing according to the new ISO 13528
  - Statistical basics
  - Practical evaluation with PROLab
  - Requirements of ISO 17043: Realization with PROLab

## Advanced Evaluation and Current Developments Friday, 9 am – 3 pm

- Case studies from workshop attendees
- What's new in PROLab: Overview of new features
- New ISO/IEC 17025:2017 - impact on PT
- Hampel estimator and KDE based on lab uncertainties
- Easy to interpret scores for qualitative PT data: L-scores

Registration is open until 20 August 2018!

## PROLab – Software for PT Programs and Collaborative Studies

PROLab is a software family for planning, organizing, performing and analyzing interlaboratory tests – that is, for both proficiency tests assessing the performance of laboratories (typically acc. to ISO 13528) and collaborative studies for the validation of analytical methods (typically acc. to ISO 5725: 1-6).

In particular, PROLab provides all necessary features to meet the requirements of ISO 17043 on quality management and quality assurance for proficiency testing providers. PROLab is used and recommended by some of the most important PT providers worldwide.

## Getting There

**From Wittenbergplatz (nearest subway station):**  
Head north, than turn right onto Ansbacher Straße and walk 200m

**From Zoologischer Garten (nearest train station):**  
Take the subway line U2 (direction Pankow) to Wittenbergplatz. Than head north, turn right onto Ansbacher Straße and walk 200m