**附件一：**会议详细日程

|  |  |
| --- | --- |
| **Workshop - Estimating measurement uncertainty in clinical laboratories**  **测量不确定度评估在临床实验室的应用研讨会会议日程** | |
| **时间** | **内容** |
| 9:00 | Registration and coffee 签到 |
| 9:30 | Introduction to the workshop 研讨会简介 |
| 9:40 | Requirements regarding measurement uncertainty for clinical laboratories seeking or maintaining accreditation to ISO 15189: 申请或复审ISO 15189认可的临床实验室关于测量不确定度的要求 |
| 内容提纲 | what is measurement uncertainty  什么是测量不确定度（测量不确定度的定义） |
| ISO 15189 requirements ISO 15189的要求 |
| minimum requirements for laboratories 对实验室的最低要求 |
| common challenges for laboratories 实验室遇到的普遍挑战 |
| 10:20 | Key rules for uncertainty evaluation 不确定度评估的关键规则 |
| 内容提纲 | ISO approach to evaluating uncertainty 评估测量不确定度的ISO方法 |
| converting uncertainty contributions to standard contributions 将不确定度因素转化为标准不确定度 |
| combining standard uncertainty contributions 合成标准不确定度 |
| Exercise: Converting and combining uncertainties 练习：转化及合成不确定度 |
| 11:00 | Break 茶歇 |
| 11:15 | Evaluating measurement uncertainty using validation and quality control data (top- down approach) 使用验证和质量控制数据评估测量不确定度 (自上而下法) |
| 内容提纲 | limitations of ISO approach (bottom-up approach) ISO方法的局限性(自下而上法) |
| key method performance parameters (precision and bias) 方法的关键性能参数（精密度和误差） |
| main contributions to measurement uncertainty 测量不确定度的主要影响因素 |
| introduction to top-down approach 从上而下法介绍 |
| sources of data 数据来源 |
| 11:45 | Including precision in an uncertainty estimate 不确定度评估中对精密度的考量 |
| 内容提纲 | overview of precision as a method performance parameter 精密度作为一个方法性能参数的概述 |
| estimating precision from existing data 从现有数据评估精密度 |
| contribution of precision to measurement uncertainty 精密度对测量不确定度的影响 |
| 12:30 | Lunch 午餐 |
| 13:30 | Workshop: evaluating the contribution of precision to the total uncertainty of a measurement 评估精密度对总测量不确定度的影响 |
| 14:30 | Estimating bias and the associated uncertainty 评估偏差和相关的不确定度 |
| 内容提纲 | overview of bias as a method performance parameter 偏差作为一个方法性能参数的概述 |
| estimating bias and its uncertainty from existing data 用现有数据评估偏差和其不确定度 |
| possible case scenarios 可能情况的分析 |
| contribution of bias to method uncertainty 偏差对方法不确定度的影响 |
| 15:15 | Break 茶歇 |
| 15:30 | Workshop: contribution of bias to total uncertainty of a measurement 评估偏差对总测量不确定度的影响 |
| 16:15 | Completing and presenting the uncertainty budget 完成和呈现不确定性预算 |
| 内容提纲 | considering effects not included within the precision and bias estimates 考虑精密度和偏差评估以外的影响 |
| combining precision, bias and other effects 合并精密度，偏差和其他影响 |
| expanding the uncertainty estimate 评估扩展不确定度 |
| presenting uncertainty information 呈现不确定度信息 |
| 16:40 | Discussion and Q&A 讨论和问答 |
| 17:00 | Close 结束 |