



## Asia Pacific Federation for Clinical Biochemistry and Laboratory Medicine Scientific Committee: Proposal for formation of Scientific Working Group

### Background

PBRTQC is an evidence-based alternative to conventional QC. It provides improvements in error detection and cost-effectiveness and is commutable. Currently, there is much interest in the concepts, but there is still a gap in knowledge and onboard applications. PBRTQC offers many benefits, but there is a need further to promote the concept with laboratories and instrument suppliers.

### Scientific/ Clinical Gap Identified

The gaps are knowledge of the concept of PBRTQC and available effective, software applications.

### Objective(s) of Working Group

To promote the development and implementation of Patient Based real Time Quality Control systems in clinical laboratories.

#### Terms of reference

1. To provide awareness, education, and training on PBRTQC systems in the clinical laboratory which include:

- Guidance on the principles of PBRTQC and its implementation
- Development of verification procedures for laboratories adopting PBRTQC
- Evidence based approaches to Validation of PBRTQC
- Advice to middleware providers and instrument manufacturers regarding algorithms

2. Education and training will be provided in many ways including:

- Guidance documents and publications
- Online presentations
- workshops and seminars
- involvement with middleware providers and instrument manufacturers



3. To collaborate with other APFCB Committees or Working Groups to achieve these aims.

**Proposed membership (name, email contact, affiliation)**

Tony Badrick - Chair  
Tze Ping, National University Hospital, Singapore  
Rui Zhou, Beijing Center for Clinical Laboratory  
Joel Smith, Royal Melbourne Hospital  
Guo Wei, Fudan University  
Ming long Zhang - University of Chinese Academy of Sciences  
Sollip Kim – University of Ulsan

Young Scientist - observer  
Luke Duan, Fudan University, China -

Representatives from Corporate members  
Shane Brown – Abbott  
Yan Liu - Mindray

Consultant - Asst. Prof. Chun Yee LIM - Singapore

**Expected outcomes**

1. Effective working group providing educational resources to Region
2. Pilot projects looking at the implementation of PBRTQC
3. Involvement of Corporates in implementing software packages

**Terms of reference:**

1. The formation of the Working Group is subject to the review and approval of the APFCB Executive Board.



2. The term of the Working Group will be tied with the term of the Scientific Committee and will be reviewed for renewal subject on ongoing activity and scientific output.
3. Members of the Working Group should be from affiliated national societies from at least three different geographical regions within Asia Pacific to ensure broad representation and inclusivity.
4. Experts outside of Asia Pacific region may be included as Experts within the Working Group to foster wider collaboration and compliment expertise.
5. Experts who do not have direct affiliation with national societies may be included in the Working Group as Advisors to foster wider collaboration and compliment expertise.
6. The Working Group shall produce at least one scientific publication in peer-reviewed journal with clearly stated affiliation with the APFCB working group (e.g. in the title of the publication or as part of the authorship) during each term.
7. To avoid perceived or actual conflict of interest and bias: commercial entities may join the Working Group as Corresponding Member but shall not have involvement in the design, data collection, data analysis, data interpretation and writing of scientific publications bearing APFCB affiliation.
8. The Working Group chair shall write a brief annual report (100-200 words) summarizing key activities and output for the year as well as projections of activities for the coming year.

Proposer\* (name, email contact, affiliation)

Tony Badrick, [tony.badrick@rcpaqap.com.au](mailto:tony.badrick@rcpaqap.com.au), AACB

\*By submitting this proposal, I have agreed to the terms listed above.

Date of submission: 20 Mar 2023

Decision: Approved

Date of decision: 23 Mar 2023