

Meeting the clients with the producers on Proficiency Testing of rare analytes

Task Force on Proficiency Testing (TF-PT)

Alexander Haliassos (Chair).

Task Force on Proficiency Testing (TF-PT)

Introduction

- The **role of Proficiency Testing schemes** (or External Quality Control programs) is **of primordial importance**:
 - to the analytical quality,
 - to the standardization of the methods and
 - to the harmonization of the results,**but there is a lack of interest from the commercial providers of such schemes**
 - for the more **new** and **complex** tests and
 - for the **very old and simple** measurands that involve a **new calibration curve**, because of the very subtle problems induced at the interpretation of the statistical results of their, already well-established and running, schemes.

Task Force on Proficiency Testing (TF-PT)

Introduction - Aims

- **The TF-PT is a multidisciplinary effort in the analysis and the exploration of the Proficiency Testing issues. Our **aims** are:**
 - To facilitate the introduction of international proficiency testing schemes for **uncommon but clinically important measurands** (analytes).
 - To use the information to select **measurands** (analytes) that may be suitable for **method harmonization** as a means to improving patient outcomes.

Task Force on Proficiency Testing (TF-PT)

Introduction – Principal Objectives (I)

- To establish a **small group of clinical and scientific experts** who represent both suppliers and users of 'uncommon but clinically important' laboratory medicine assays.
- To agree a **definition** of an '***uncommon but clinically important***' **measurand** (analyte) and the body of evidence that is required to meet that definition.
- To write a specification for operating an international proficiency testing scheme.
- To survey IFCC Members and IFCC functional units to receive suggestions for 'uncommon but clinically important' measurands (analytes).
- To prioritize the suggestions received and to assess the potential for international proficiency testing and the likely support of manufacturers of available methods.
- To establish the availability of proficiency testing schemes for the identified measurands (analytes). Where proficiency testing schemes exist to assess their potential for expansion at an international level.

Task Force on Proficiency Testing (TF-PT)

Introduction – Principal Objectives (II)

- In the absence of suitable proficiency testing schemes to invite bids to provide measurand (analyte) specific proficiency testing in accordance with the agreed specification.
- To recommend to the Executive Board proficiency testing schemes that may be set up under the auspices of IFCC.
- To monitor performance in IFCC supported proficiency testing schemes and to support the preparation of scientific publications at appropriate points in time.
- To use performance data from IFCC supported proficiency testing schemes to propose measurands for harmonization in line with www.harmonization.net.

Main project of the TF-PT

- Is the **creation of an online database - web application** accessible via web browsers and via specific applications for the major mobile platforms.
- The roots of this database will be the analytes (tests, measurands) that will be filed with all possible synonyms ("official" from the C-NPU) as also as the methods (assays, instruments, reagents etc.) also with all possible synonyms.
- Another part of the DB, maintained with the cooperation of the C-AQ, will be the PT providers section containing all their contact information, their programs with the analytes, frequencies, type of statistics, commutability of control materials, their accreditation or certification status etc.
- All register users can **add any term in the database**, although the application will propose similar ones if there are already filed, searching all synonyms.
- Finally, they can "**vote**" **expressing their desire for the introduction of a PT** for this analyte.

Online Database or Web Application?

Developed as **web application**, as opposed to classic website provides:

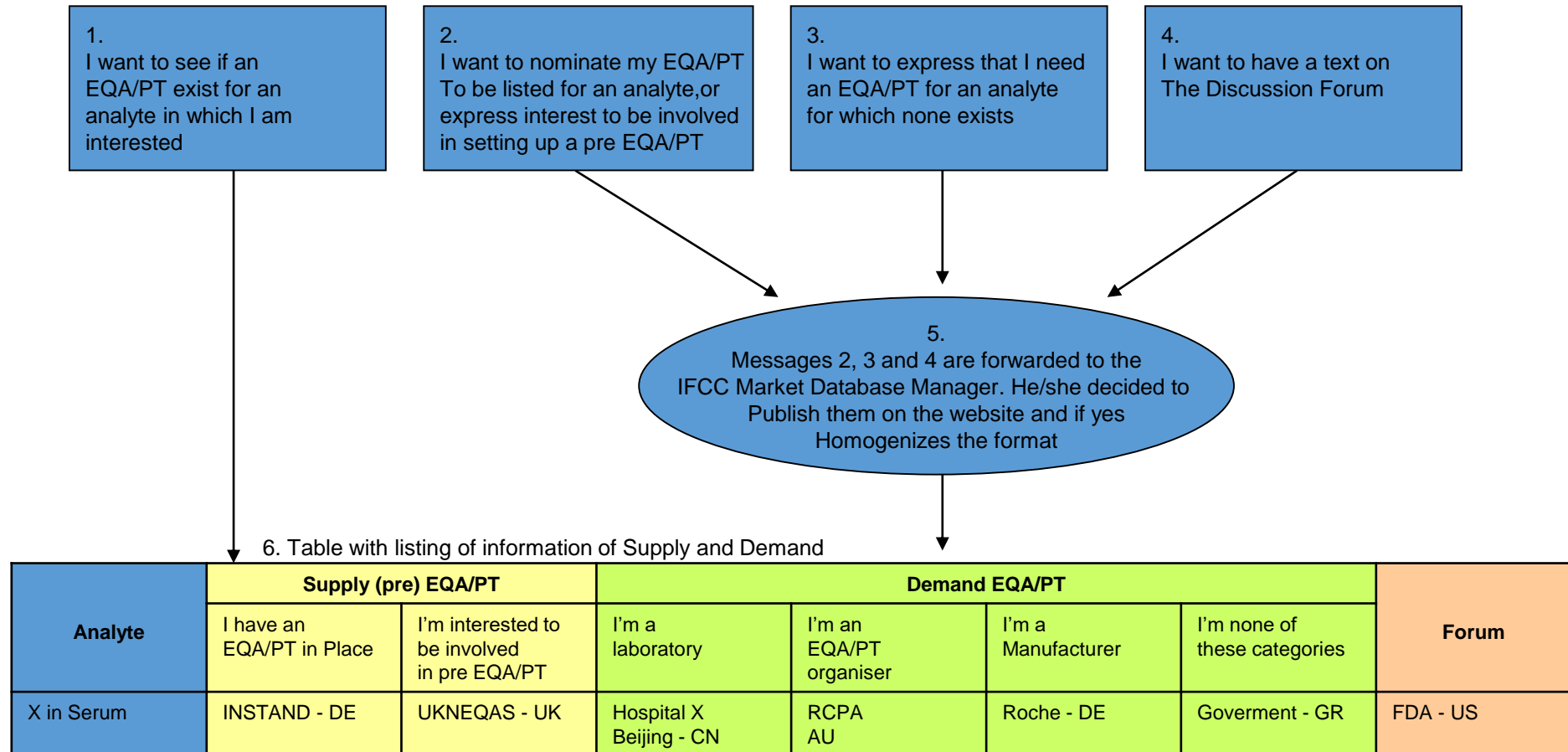
- **Capabilities:**

- Optimized for smartphones, tablets and desktop
- Responsive
- Adapts to the screen size
- Modern and fast
- Mobile app ready

- **Features:**

- Left pane navigation
- Public area
- Admin area (login required)
- Switch languages

Flowchart of the Online Database - Web Application



Search for an analyte (test)

- 📄 General information
- 👤 Login
- 📄 Register
- Admin
 - 🔑 Admin dashboard
 - 😊 Manage users
 - 📁 Manage companies
 - 📄 Manage submissions
- Demo (internal use)
 - 🔑 Other controls

Introduction & welcome text to the new app

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum tincidunt est vitae ultrices a ornare lacus adipiscing, posuere lectus et, fringilla augue. Lorem ipsum dolor sit amet, consectetur Vestibulum tincidunt est vitae ultrices accumsan. Aliquam ornare lacus adipiscing.

🔍 General search

🔍 Advancend search

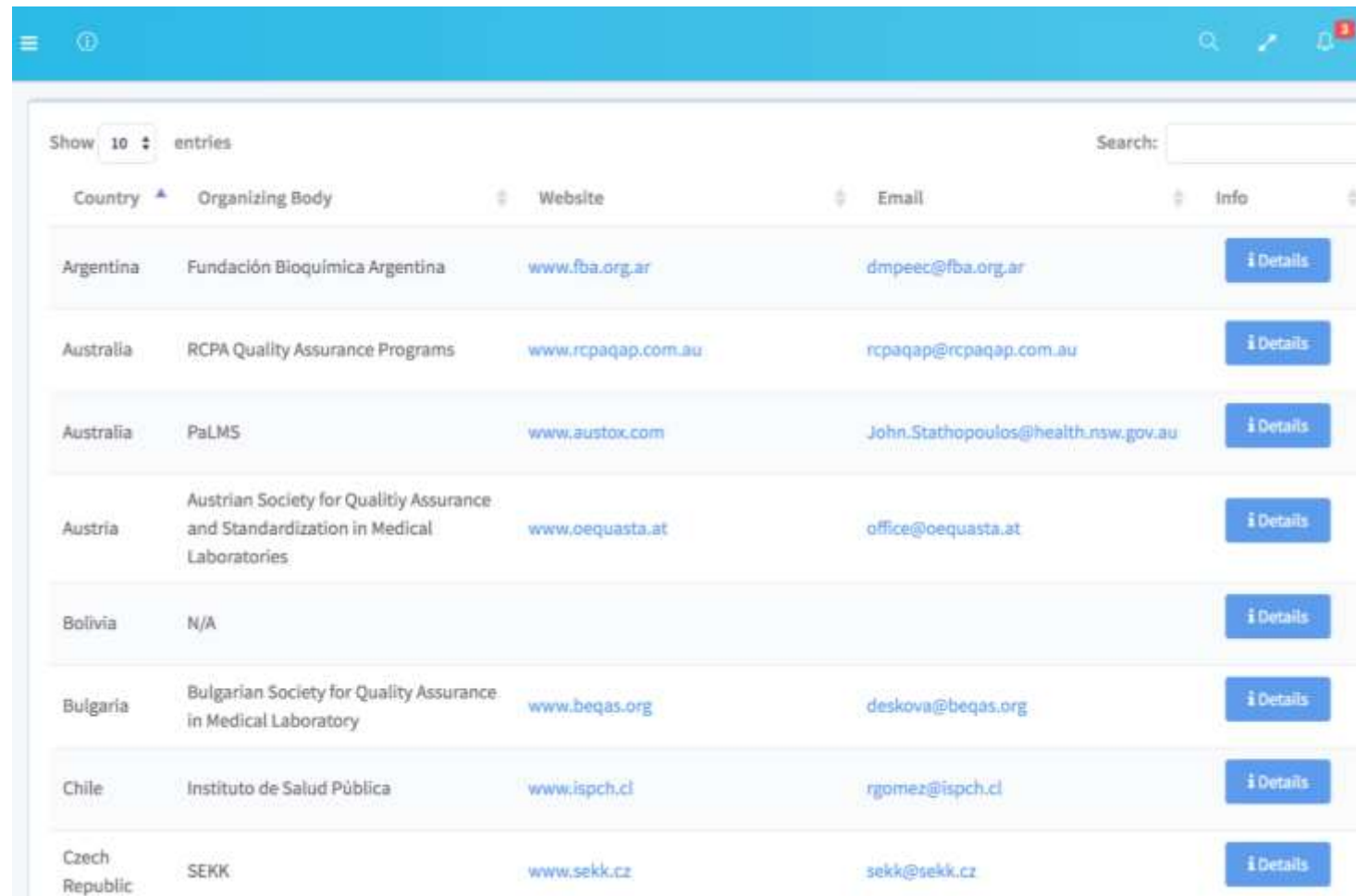
Search for a PT provider (EQA organizer)

The screenshot displays the PTDB (Public Testing Database) search interface. The top navigation bar is blue with the PTDB logo and a search icon. The main content area is divided into two tabs: 'General search' (active) and 'Advanced search'. The 'General search' tab contains a form with the following sections:

- General details**
 - Country:** A dropdown menu with the placeholder text 'Choose country'.
 - Organizing Body:** A text input field with the placeholder text 'Organizing Body'.
 - Name of EQA:** A text input field with the placeholder text 'Name of EQA'.
 - Website:** A text input field with the placeholder text 'site.org'.
 - Email:** A text input field with the placeholder text 'email@company.org'.
 - Comment:** A large text area for additional information.
- Other details**
 - Open to International Participants?
 - Anatomical Pathology
 - Clinical Chemistry
 - Cytopathology
 - Haematology
 - Immunology
 - Microbiology
 - Molecular
 - Pathology
 - PoCT
 - Serology
 - Transfusion

A blue 'Search' button is located at the bottom of the form. The left sidebar contains navigation links for 'Public portal' (Home / Search, PTDB list, New proposal, General information, Login, Register) and 'Admin' (Admin dashboard, Manage users, Manage companies, Manage submissions). A 'Demo (internal use)' section and 'Other controls' are also visible at the bottom of the sidebar.

Search Results



Search Results

Show 10 entries

Search:

Country	Organizing Body	Website	Email	Info
Argentina	Fundación Bioquímica Argentina	www.fba.org.ar	dmpeec@fba.org.ar	Details
Australia	RCPA Quality Assurance Programs	www.rcpaqap.com.au	rcpaqap@rcpaqap.com.au	Details
Australia	PaLMS	www.austox.com	John.Stathopoulos@health.nsw.gov.au	Details
Austria	Austrian Society for Quality Assurance and Standardization in Medical Laboratories	www.oequasta.at	office@oequasta.at	Details
Bolivia	N/A			Details
Bulgaria	Bulgarian Society for Quality Assurance in Medical Laboratory	www.beqas.org	deskova@beqas.org	Details
Chile	Instituto de Salud Pública	www.ispch.cl	rgomez@ispch.cl	Details
Czech Republic	SEKK	www.sekk.cz	sekk@sekk.cz	Details

Details of Search Results

The image shows a mobile application interface with three panels. The left panel is a search results list, the middle panel is a detailed view of a search result, and the right panel is a list of search results with email addresses and 'Details' buttons.

Search Results (Left Panel):

Search Results
Sort or filter the results by using the filters below

Show 10 entries

Country	Organising Body
Argentina	Fundación
Australia	RCPA Quality
Australia	PaLMS
Austria	Austrian Society for Quality Assurance and Standardization in Medical Laboratories
Bolivia	N/A
Bulgaria	Bulgarian Society for Quality Assurance in Medical Laboratories
Chile	Instituto

Details of Search Results (Middle Panel):

Austrian Society for Quality Assurance and Standardization in Medical Laboratories

Full details about Austrian Society for Quality Assurance and Standardization in Medical Laboratories

Country	Austria
Organising Body	Austrian Society for Quality Assurance and Standardization in Medical Laboratories
Name of EQA	OEQUASTA
Website	Go to
Email	Email
Open?	Yes
Anatomical Pathology	No
Clinical Chemistry	Yes
Cytopathology	No
Haematology	Yes
Immunology	Yes
Microbiology	No
Molecular Pathology	No


[Close](#)

Search Results (Right Panel):


Search:


Email	Info
dmpeec@fba.org.ar	Details
rcpaqap@rcpaqap.com.au	Details
John.Stathopoulos@health.nsw.gov.au	Details
office@oequasta.at	Details
deskova@beqas.org	Details
rgomez@ispch.cl	Details

Login Page

 PTDB

SIGN IN TO CONTINUE





Remember Me [Forgot your password?](#)

Submit and Register a new PT provider (EQA organizer)

The screenshot shows a web interface for submitting a new proposal. At the top, there is a blue header with a menu icon and a refresh icon. Below the header, the page title is "Submit new proposal" with a subtext "Fill all the fields".

Information about how to submit

Placeholder text: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum tincidunt est vitae ultrices accumsa ornare lacus adipiscing, posuere lectus et, fringilla augue. Lorem ipsum dolor sit amet, consectetur adip Vestibulum tincidunt est vitae ultrices accumsan. Aliquam ornare lacus adipiscing.

General details

- Country: Choose country (dropdown menu)
- Organizing Body: Organizing body (text input)
- Name of EQA: Name of EQA (text input)
- Website: website.org (text input)
- Email: email@company.org (text input)
- Comment: (text area)

Other details

- Open to International Participants?
- Anatomical Pathology
- Clinical Chemistry
- Cytopathology
- Haematology
- Immunology
- Microbiology
- Molecular
- Pathology
- PoCT
- Serology
- Transfusion

Submit

Profile registration

PTDB

Public portal

- Home / Search
- PTDB list
- New proposal
- General information
- Login
- Register**

Admin

- Admin dashboard
- Manage users
- Manage companies
- Manage submissions

Demo (internal use)

Register your profile

Only by invitation

English

Fill up all these required fields with the details you received by email from us!

Registration details From the email you received from us.	Personal Nulla pharetra imperdiet sapien ac faucibus.	Confirmation code You'll receive it by SMS!	Done! Nullam sit amet magna vestibulum libero.
---	---	---	--

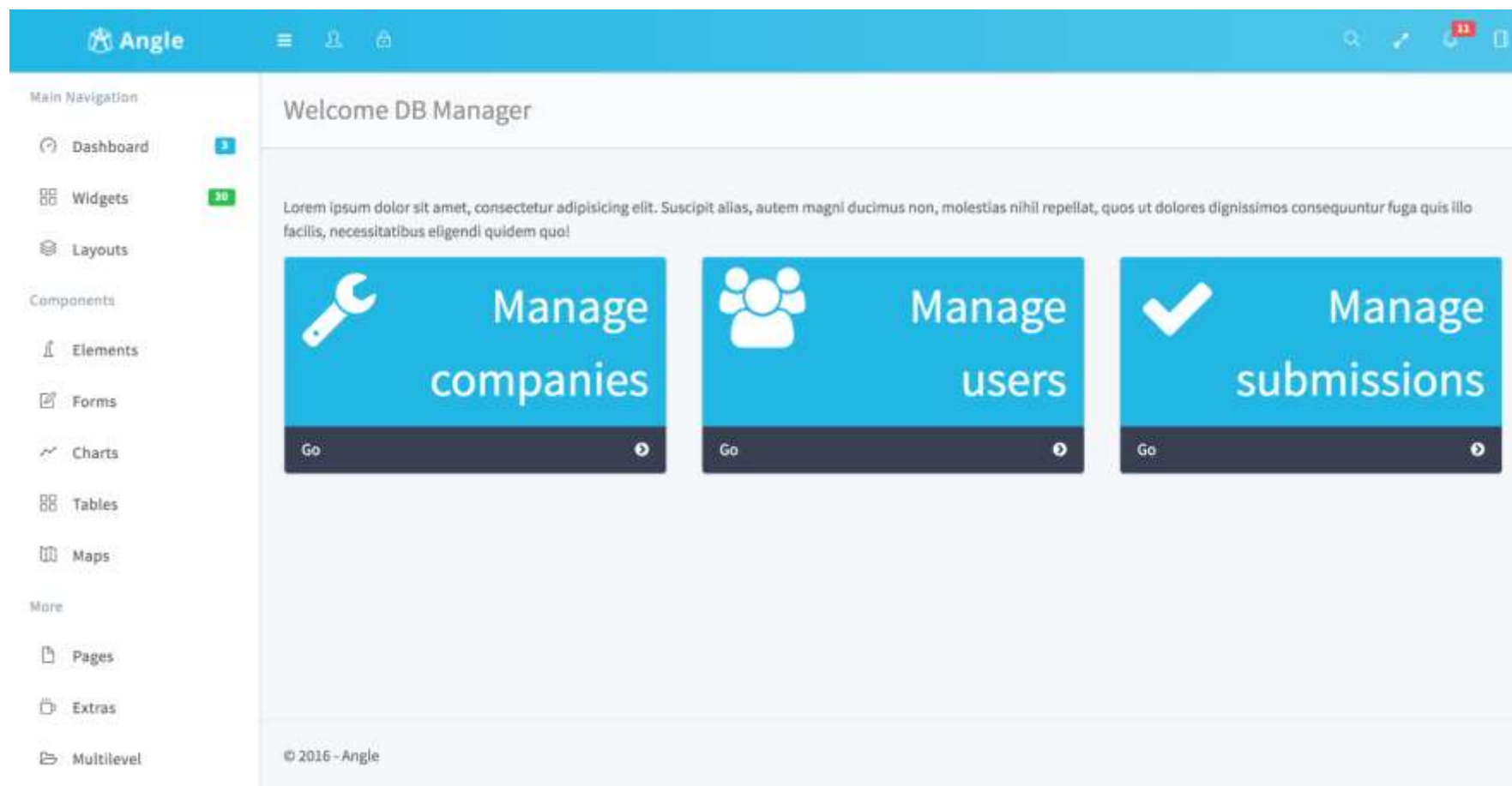
Primary details from the email you received

Your email <input type="text" value="Your email"/>	Your phone <input type="text" value="001 23 456 789"/>	PIN code <input type="text" value="123456"/>
--	--	--

Next →

© 2016 - PTDB

Main Page for Database Administrator



Administration of PT providers (EQA organizers)

Manage companies

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suscipit alias, autem magni ducimus non, molestias nihil repellat, quos ut dolores dignissimos consequuntur fuga quae facilis, necessitatibus eligendi quidem quo!

Show 10 entries Search:

Country	Organizing Body	Website	Email	Info
Argentina	Fundación Bioquímica Argentina	www.fba.org.ar	dmpeec@fba.org.ar	Edit
Australia	RCPA Quality Assurance Programs	www.rcpaqap.com.au	rcpaqap@rcpaqap.com.au	Edit
Australia	PaLMS	www.austox.com	John.Stathopoulos@health.nsw.gov.au	Edit
Austria	Austrian Society for Quality Assurance and Standardization in Medical Laboratories	www.oequasta.at	office@oequasta.at	Edit

Details of PT providers (EQA organizers)

Manage companies

Full details about Austrian Society for Quality Assurance and Standardization in Medical Laboratories

Country: Austria

Organising Body: Austrian Society for Quality Assurance and Standardization in Medical Laboratories

Name of EQA: OEQUASTA

Website: www.website.org

Email: mail@company.org

Open?

Anatomical Pathology

Clinical Chemistry

Cytopathology

Haematology

Immunology

Microbiology

Molecular Pathology

Save

Search:

Info

a.org.ar Edit

paqap.com.au Edit

poulos@health.nsw.gov.au Edit

aasta.at Edit

Country Organizing Body

Argentina Fundación Bioquímica Argentina

Australia RCPA Quality Assurance Program

Australia PaLMS

Austria Austrian Society for Quality Assurance and Standardization in Medical Laboratories

Show 10 entries


Lorem ipsum dolor sit amet, consectetur adipiscing facilis, necessitatibus eligendi quidem quod

llat, quos ut dolores dignissimos consequuntur fuga quod

Administration of Database Users (I)

Manage users

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.



Show per page 

Name	Country	Company	Email	Phone	Joined	Invited by		
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete

<< 1 2 3 4 5 >>

Showing 20 of 200 users

Administration of Database Users (II)

Manage users

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Delete user

You are about to delete John Doe

Are you sure?

John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete

<< 1 2 3 4 5 >>

Showing 20 of 200 users

Administration of Database Users (III)

The screenshot displays a web application interface for managing users. The main heading is "Manage users". A modal window titled "Edit user" is open, showing the details of a user named "John Doe". The modal contains a "Details" section with the following information: "Joined: 05-06-2015", "Last login: 07-07-2015", and "Invited by: Jane Doe (superuser)". Below this, there are input fields for "Name" (John Doe), "Country" (Denmark), "Company" (Lorem ipsum), "Email" (email@company.com), and "Phone" (001 234 5678). A "Save changes" button is located at the bottom of the modal. In the background, a table of users is visible, with columns for Name, Country, Company, Email, Phone, and Invited by. The table shows two rows of data, both for "John Doe".

Manage users

Edit user

You are editing John Doe

Details

Joined: 05-06-2015
Last login: 07-07-2015
Invited by: Jane Doe (superuser)

Name: John Doe
Country: Denmark
Company: Lorem ipsum
Email: email@company.com
Phone: 001 234 5678

Save changes

Name	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete
John Doe	Country	Company	name@mail.org	+1 234 5678	05-06-2015	Jane Doe	Edit	Delete

Showing 20 of 200 users

Conclusions

- The ***database in development from the TF-PT*** will **interactively link our colleagues - final users of the tests**, with:
 - PT providers,
 - IVD manufacturers,
 - Accreditation bodies etc and
 - will facilitate the search for a PT scheme for "rare" esoteric or new analytes, or the introduction of a new one if needed.
- Automated **algorithms** will send **request** to appropriate **PT providers**, if an analyte has exceeded the limit of the required votes.
- **IVD manufacturers** want also to establish such **PT schemes** prior to the **introduction of new assays**.
- Moreover, the database can be used for **the tasks of harmonization project of the AACC**.

Thank You

for your attention!!!

Task Force on Proficiency Testing (TF-PT)

Alexander Haliassos (Chair).