

Clinical Chemistry Trainee Council



**Welcome to the
*Clinical Chemistry Trainee Council***

The *Clinical Chemistry* Trainee Council serves as a unique program for residents and fellows in laboratory medicine by providing them with free educational materials and interactive tools to help and guide them to a successful career.

Robert H. Christenson

Ann M. Gronowski

Clinical Case Studies Co-Editor

Clinical Chemistry Trainee Council Editor

The *Clinical Chemistry* Trainee Council

- Goal

To be a primary educational resource for laboratory medicine trainees worldwide



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Updated on May 25, 2012

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Clinical Chemistry Trainee Council



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Regular Features

[Clinical Case Studies](#)[Journal Club](#)[Pearls of Laboratory Medicine](#)[Podcasts](#)[Q&A](#)[Webcasts](#)

New This Week

Podcast

Accuracy of 6 Routine 25-Hydroxyvitamin D Assays: Influence of Vitamin D Binding Protein Concentration

Pearls of Laboratory Medicine

Hemoglobin A_{1c}

Journal Club

Inappropriate Requesting of Glycated Hemoglobin (Hb A_{1c}) Is Widespread: Assessment of Prevalence, Impact of National Guidance, and Practice-to-Practice Variability Concentration

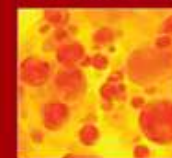
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Clinical Chemistry Trainee Council



- Broadening the scope
 - Pearls of Laboratory Medicine



Clinical Chemistry Trainee Council **Pearls of Laboratory Medicine**

Pearls of Laboratory Medicine are 5-10 minute presentations about a particular analyte. The peer reviewed content provides a wealth of information and key take-away points.

Troponin

Amy K. Saenger, PhD, DABCC
[Transcript](#)

Calcium

Christopher R. McCudden, PhD, DABCC, NRCC, FACB
[Transcript](#)

Methodology: Immunoassays

Frederick G. Strathmann, PhD
[Transcript](#)

Thyroglobulin and Thyroglobulin Antibody

Alicia Algeciras-Schimmich, PhD, DABCC
[Transcript](#)

Allergy

Melissa R. Snyder, PhD, DABCC
[Transcript](#)

Warfarin Pharmacogenetics

Linnea M. Baudhuin, PhD, DABMG
[Transcript](#)

Human Chorionic Gonadotropin

David G. Grenache, PhD, DABCC
[Transcript](#)

Clinical Chemistry Trainee Council



- Broadening the scope
 - Pearls of Laboratory Medicine
 - Webcasts



Clinical Chemistry Trainee Council Webcasts

Webcast	Speaker	Date	In Print
Skills & Tools for Developing a Productive Research Program: "Traditional" Research Grant Funding	Roland Valdes Jr., PhD	April 27, 2012	Transcript
Testing A Test - Evidence-based Approaches To The Evaluation Of The Clinical Effectiveness Of New Biomarkers	Andrea Rita Horvath	March 16, 2012	Transcript
Laboratory Tests for Diagnosis and Monitoring of Viral Hepatitis	D. Robert Dufour, MD, FACB, FCAP	February 27, 2012	Transcript
Current Techniques for Fragile X Testing	Laura J. Tafe, MD	January 31, 2012	Transcript
The Traditional Endpoint PCR and Current Applications	Gregory J. Tsongalis, PhD	December 30, 2011	Transcript
The Clinical Laboratory and Acts of Chemical or Biological Terrorism.... Can We Be Prepared?	Mark Kellogg, PhD, DABCC	November 30, 2011	Transcript
Pharmacogenomics	Alan H. Wu, PhD	October 28, 2011	Transcript
Clinical Chemistry Training in the New Millennium: Online Educational & Training Modules	Khosrow Adeli, PhD, FCACB, DABCC	September 21, 2011	Transcript
Screening for Gestational Diabetes	Ian S. Young, MD	August 22, 2011	Transcript
The Power of Massively Parallel Sequencing as a Diagnostic Tool: Illustrations from Noninvasive Prenatal Diagnosis	Rossa Chiu, MBBS, PhD	July 18, 2011	Transcript
Preparing Manuscripts for Publication: Tips from a Journal Editor	Thomas Annesley, PhD	June 21, 2011	Transcript
The Utility of CRP in Cardiovascular Disease: The Evolution of the Story	Nader Rifai, PhD	May 23, 2011	Transcript

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- Broadening the scope
 - Pearls of Laboratory Medicine
 - Webcasts
 - Question Bank (Board Exams)

Question Bank

- Chemistry
- Micro
- Hematology
- Immunology

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- Broadening the scope
 - Pearls of Laboratory Medicine
 - Webcasts
 - Question Bank (Board Exams)
 - Council Chat



Reference Laboratory Testing

3/20/2012 3:38 PM | [Comments \(1\)](#) [Recommend \(10\)](#)

By Mark A. Cervinski, Ph.D.
DABCC



I have recently been tasked by departmental leadership with the mission of reducing our burgeoning mail out budget. In recent years, we like many others have seen a tremendous growth in the number of tests that are requested by our clinical partners. This growth in numbers of course has been a...(Read More)

Posted at 3/20/2012 3:38 PM

Pleural Effusion in a Patient with Multiple Myeloma

2/28/2012 11:22 AM | [Comments \(0\)](#) [Recommend \(11\)](#)

By Bob Sumner, Editorial
Coordinator, Clinical
Chemistry



Click here to find the latest Student Discussion Document for April's Clinical Case Study from Jean-Baptiste Oudart, François-Xavier Maquart, Oualid Semouma, Magali Lauer, Patricia Arthuis-Demoulin, and Laurent Ramont. Dr. Ramont provided us with two exclusive questions that will not appear in th...(Read More)

Posted at 2/28/2012 11:22 AM

A Patient with Prolonged Paralysis

2/1/2012 12:03 PM | [Comments \(0\)](#) [Recommend \(18\)](#)

By Bob Sumner, Editorial
Coordinator, Clinical
Chemistry



Click here to find the latest Student Discussion Document for March's Clinical Case Study from JoDell E. Whittington, Hoai D. Pham, Melinda Procter, David G. Grenache, and Rong Mao. Dr. Mao provided us with three exclusive questions that will not appear in the published version of the Case. We'd ...(Read More)

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 - *Quo Vadis*

Quo Vadis

- This section allows young scientists (40 years of age and younger) the opportunity to express their opinions on the future of laboratory medicine. Each month, future leaders are invited to answer a question in 100 words or less.

Clinical Chemistry

Quo Vadis?

QUESTION #1

How do you envision the practice of laboratory medicine to be in 25 years?

Norbert Cibicek, Olomouc, Czech Republic

The future of clinical chemistry will be the world of personalized medicine and reduced preanalytical phase. These trends will lead to the domination of POCT, in situ diagnostics (via miniaturized implantable biosensor technologies, microchips and nanotechnology) as well as –omics, multiplex analyses and flow cytometry. The whole laboratory complement will be integrated online with imaging techniques on one software platform compatible with other electronic personal data systems. This controlled network will involve clinical interpretation of data by sophisticated consultant physician-managed software and will be shared by all entitled medical personnel. The major problem will be national and worldwide standardization.

Bridgit Crews, St. Louis, MO

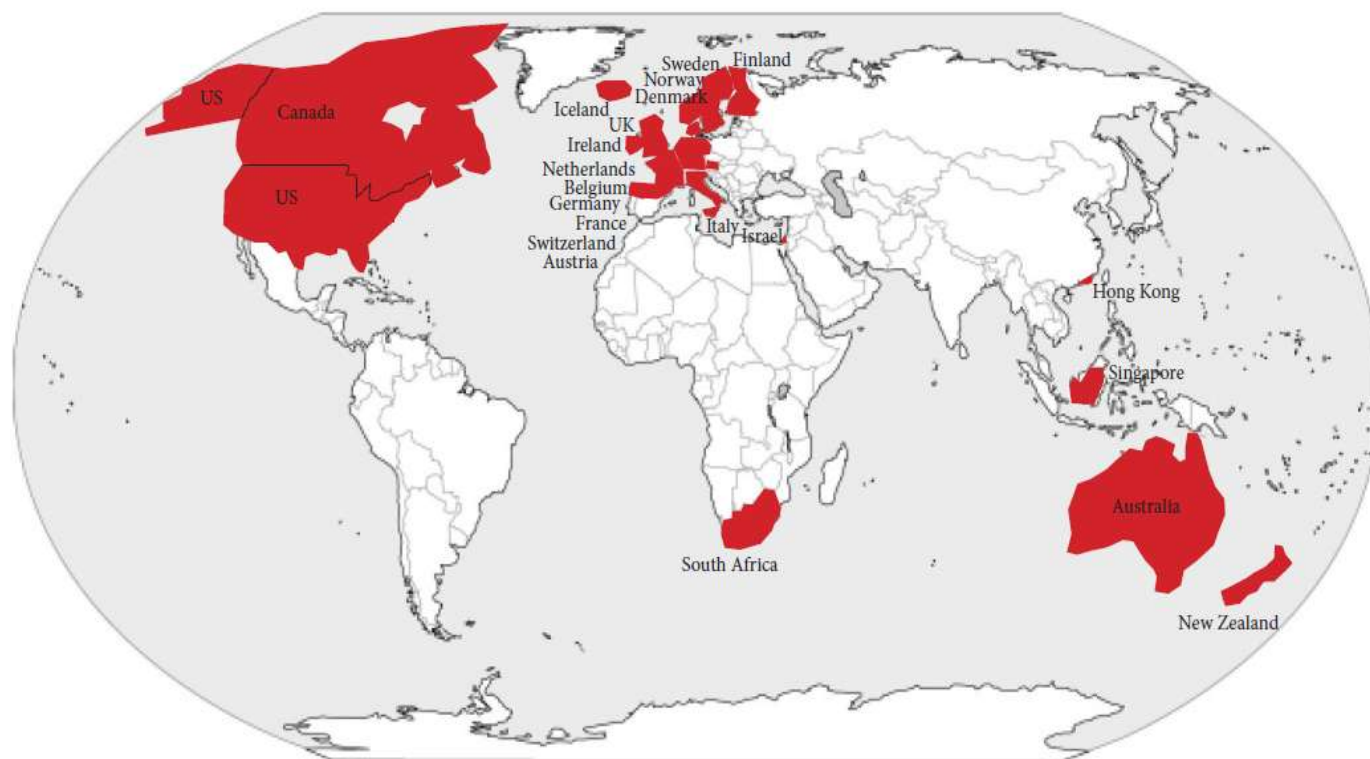
In 25 years I think advances in technology that enable high throughput multiplexing of hundreds of tests on a single specimen will be applied in the clinical laboratory and automated algorithms will relate genetic risk factors and metabolic phenotype. Electronic report summaries will be a necessary aid for physician interpretation of tests. Reports will likely include calculated disease risks and expected therapeutic responses determined from genetic and metabolic test results.

The *Clinical Chemistry* Trainee Council

Phase 1, English

(22 Countries)

- United States
- Canada
- United Kingdom
- Ireland
- Finland
- Sweden
- Norway
- Denmark
- Iceland
- The Netherlands
- Belgium
- Germany
- France
- Italy
- Austria
- Switzerland
- Hong Kong
- Singapore
- Australia
- New Zealand
- South Africa
- Israel



Phase 2, Spanish (15 countries)

Clinical Chemistry Trainee Council



Bienvenido al
Clinical Chemistry Trainee Council

Clinical Chemistry Trainee Council sirve como un programa único para los residentes y compañeros en la medicina de laboratorio al proveerles con materiales educativos gratuitos y con herramientas interactivas para ayudarles a una carrera exitosa.

Características Regulares

Estudios de Caso Clínico

Club del Diario

Perlas de la Medicina de Laboratorio

Podcasts

Q&A

Webcasts

Nuevo esta semana

Estudios de Caso Clínico

Derrame Pleural en una Paciente con Mieloma Múltiple

Mentes Inspiradoras

Yuk-Ming Dennis Lo

Perlas de la Medicina de Laboratorio

Evaluación del recién nacido

Recursos

Charla del Consejo

Guía para Escrito Científico

Mentes Inspiradoras

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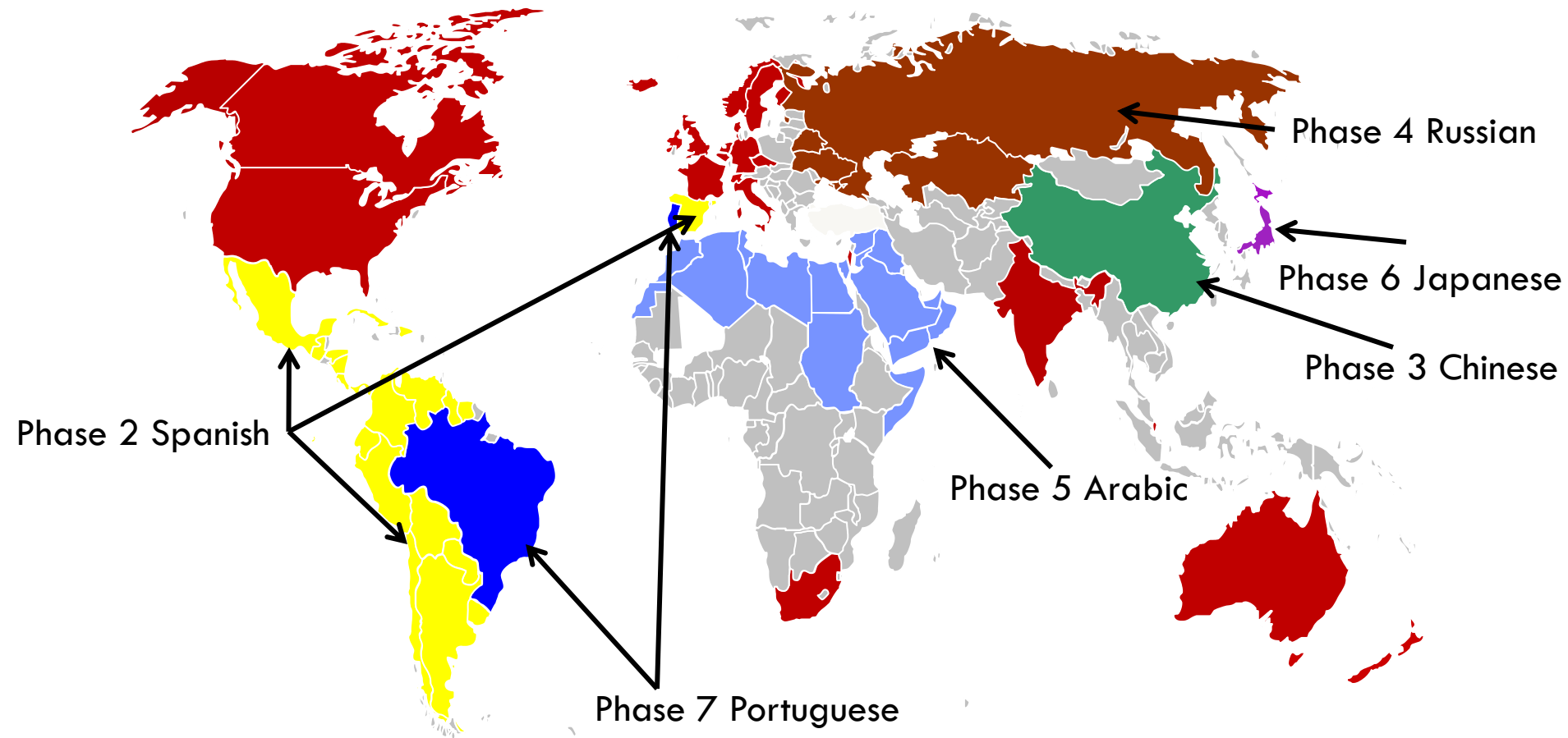
Siga con nosotros



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