



Egyptian Society  
of Laboratory Medicine

**The XX Annual Conference of the Egyptian  
Society of Laboratory Medicine**

**Seeking Excellence  
in Laboratory Practice**

**28-30 March, 2009**  
*Cairo International Conference Center*  
*Cairo, Egypt*

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**PROGRAM AT A GLANCE**

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**Saturday, March 28<sup>th</sup>, 2009**

- 08:00-09:30**     **Registration**  
**09:30-10:00**     **Opening Ceremony**

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**Clinical Pathology**

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- 10:00-12:00**     **Session I** .....Chefren Hall (A&B)  
*Laboratory Errors: Striving for None*  
**12:00-13:00**     **Coffee Break & Poster Session**  
**13:00-16:00**     **Workshop I**..... Chefren Hall (A&B)  
*Performance-Driven Quality Control*

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**Histopathology**

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- 10:30-13:00**     **Session I**..... Press Hall (1)  
**13:00-14:00**     **Coffee Break**  
**14:00-16:00**     **Session II**..... Press Hall (1)

**Sunday, March 29<sup>th</sup>, 2009**

- 09:30-11:30**     **Session II**..... Chefren Hall (A&B)  
*Laboratory Techniques: What is New?*  
**12:30-14:00**     **Session III**..... Chefren Hall (A&B)  
*Update on Stem Cell Transplantation*

**Monday, March 30<sup>th</sup>, 2009**

- 09:30-11:00**     **Session IV**.....Chefren Hall (A&B)  
*Recent Advances in Laboratory Technology*  
**11:00-11:30**     **Closing Ceremony** .....Chefren Hall (A&B)  
**11:30-12:30**     **Coffee Break**  
**12:30-15:30**     **Workshop II** ..... Chefren Hall (B)  
*Steps to Credible Research*  
**12:30-15:30**     **Symposium** ..... Chefren Hall (A)  
*Cellular Therapy I*

**Tuesday, March 31<sup>st</sup>, 2009**

- 14:30-16:30**     **Symposium** ..... Chefren Hall (A)  
*Cellular Therapy II*

**Saturday, March 28<sup>th</sup>, 2009**

**Session I (10:00-12:00)  
Chefren Hall (A&B)**

**LABORATORY ERRORS: STRIVING FOR NONE**

**Chairpersons:** **Prof. Mohamed Awad**  
*Professor of Clinical Pathology, Mansoura University*  
**Prof. Soheir Helal**  
*Professor of Clinical Pathology, Cairo University*  
**Prof. Ekbal Abo-Hashem**  
*Professor of Clinical Pathology, Mansoura University*  
**Prof. Nevine Ramsis**  
*Head of Clinical Pathology Department, Suez Canal University*  
**Prof. Nadia Abd El-Sattar**  
*Professor of Clinical Pathology, Ain Shams University*

- 10:00-10:30** Sources of Error in Laboratory Results  
**Dr. Zeo Brooks**  
*Quality Consultant, Canada*
- 10:30-10:50** Sources of Error in Immunology Results  
**Prof. Farha El-Shennawy**  
*Prof. of Clinical Pathology,  
Vice President of Mansoura University*
- 10:50-11:10** Sources of Error in Hematology Results  
**Dr. Deena Samir**  
*Lecturer of Clinical Pathology, Ain Shams University*
- 11:10-11:30** Sources of Error in Microbiology Results  
**Prof. Mona Wassef**  
*Prof. of Clinical Pathology, Cairo University*
- 11:30-12:00** **Discussion**
- 12:00-13:00** **Coffee Break**

**Poster Session: P1-P13**

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**Saturday, March 28<sup>th</sup>, 2009**

**Workshop I (13:00-16:00)  
Chefren Hall (A&B)**

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**PERFORMANCE-DRIVEN QUALITY CONTROL**  
**Dr. Zeo Brooks**  
**Quality Consultant, *Canada***

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**Saturday, March 28<sup>th</sup>, 2009**

**HISTOPATHOLOGY**

**Session I (10:30-13:00)**

**Press Hall (1)**

**Chairpersons:** **Prof. Laila El-Shabrawy**  
*Prof. of Histopathology, Ain Shams University*  
**Prof. Aly Hendawy**  
*Prof. of Histopathology, Cairo University*  
**Prof. Amina Zeedan**  
*Prof. of Histopathology, Al-Azhar University (Girls)*

**Moderator:** **Prof. Saad Eissa**  
*Prof. of Histopathology, National Cancer Institute*

**10:30-11:15** Cystic Tumors of the Kidney  
**Prof. Elia Anis**  
*Prof. of Histopathology, Cairo University*

**11:15-12:00** Plasma Cells Tumors of Bone  
**Prof. Ali Hendawy**  
*Prof. of Histopathology, Cairo University*

**12:00-12:45** Breast Cancer: Update  
**Prof. Saad Eissa**  
*Prof. of Histopathology, National Cancer Institute*

**12:50-13:00** Discussion

**13:00-14:00** Coffee Break

**Saturday, March 28<sup>th</sup>, 2009**

**HISTOPATHOLOGY**

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**Session II (14:00-16:00)**  
**Press Hall (1)**

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**Chairpersons:** **Prof. Amira Khalifa**  
*Prof. of Histopathology, Ain Shams University*  
**Prof. Badawyeya Bayumi**  
*Prof. of Histopathology, Cairo University*  
**Prof. Nayera Anwer**  
*Prof. of Histopathology, National Cancer Institute*

**Moderator:** **Prof. Nafissa El-Badawy**  
*Prof. of Histopathology, Ain Shams University*

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**14:00-14:45** Bladder Cancer Update  
**Prof. Maha Akl**  
*Head of Histopathology Dpt., Theodor Bilharz Research Institute*

**14:45-15:15** Lupus Nephritis  
**Prof. Nafissa El-Badawy**  
*Prof. of Histopathology, Ain Shams University*

**15:15-15:45** Trophoblastic Disease of Placenta  
**Assist. Prof. Ragia Fahmy**  
*Assist. Prof. of Histopathology, Ain Shams University*

**15:45-16:00** **Discussion & Conclusion**

**Sunday, March 29<sup>th</sup>, 2009**

**Session II (09:30-11:30)  
Chefren Hall (A&B)**

**LABORATORY TECHNIQUES: WHAT IS NEW?**

**Chairpersons:** **Prof. Mohga Zeiwar**  
*Prof. of Clinical Pathology, Zagazig University*  
**Prof. Elham Abdel Karim**  
*Head of Clinical Pathology, Alexandria University*  
**Prof. Shahira Gemeiey**  
*Head of Clinical Pathology Department, Cairo University*  
**Prof. Mahmoud Al Azoony**  
*Head of Clinical Pathology Department, Benha University*  
**Prof. Mourad Ahmed Mourad**  
*Head of Clinical Pathology, Tanta University*

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- 09:30-09:50** Polony PCR  
**Dr. Khaled Omar**  
*Assist. Prof. of Clinical Pathology, Ain Shams University*
- 09:50-10:10** Emerging Molecular Technology and its Application to Clinical Diagnostic Microbiology  
**Prof. John D. Klena**  
*Head of Molecular Epidemiology Unit, Nmru-3*
- 10:10-10:30** Pharmacogenomics and Warfarin Therapy  
**Dr. Saad Baher El-Badawy**  
*Erfan and Bagedo Hospital, Jeddah, KSA*
- 10:30-10:50** Tandem Mass Spectrometry  
**Dr. Iman Mandour**  
*Assist. Prof. of Clinical Pathology, Cairo University*
- 10:50-11:10** High Volume Testing vs. Patient Safety-Complement or Contradiction  
**Dr. Detlef Streicher**  
*Project Manager Lab Automation,*
- 11:10-11:30** **Discussion**
- 11:30-12:30** **Coffee Break**

**Sunday, March 29<sup>th</sup>, 2009**

**Session III (12:30-14:00)  
Chefren Hall (A&B)**

**UPDATE ON STEM CELL TRANSPLANTATION**

**Chairpersons:** **Prof. Saad El Esh**  
*Dean of Faculty of Medicine, Zagazig University*  
**Prof. Ahmed El-Seify**  
*Prof. of Clinical Pathology, Cairo University*  
**Prof. Amira Khorshed**  
*Prof. of Clinical Pathology, National Cancer Institute*  
**Prof. Laila El-Shawarby**  
*Professor of Clinical Pathology, Ain Shams University*  
**Prof. Ebtehag Helmy**  
*Head of Clinical Pathology Department, Zagazig University*

**12:30-12:50** Stem Cell: The Miracle Cell  
**Prof. Lobna Abdel Azim Refaat**  
*Prof. of Clinical Pathology, National Cancer Institute,  
Cairo University*

**12:50-13:10** Long-Term Fetal Cell Microchimerism  
**Prof. Nadia Mowafy**  
*Prof. of Clinical Pathology, Ain Shams University*

**13:10-13:30** Clinical Trials of Mesenchymal  
Stem Cells Therapy in Egypt  
**Prof. Mervat El-Ansary**  
*Prof. of Clinical Pathology, Cairo University*

**13:30-13:50** **Prof. Hala Gabr**  
*Prof. of Clinical Pathology, Cairo University*

**13:50-14:00** **Discussion**

**Commercial Session**

**14:00-14:30** Triple Hyb<sup>®</sup> - A Novel Detection Format for  
Real-Time Fluorescence PCR and its Application for  
the Quantification of Hepatitis Virus Copy Number  
**Dr. Thomas Koehler**  
*Ph.D. Biochemistry, CEO Roboscreen Company – Germany*

**Monday, March 30<sup>th</sup>, 2009**

**Session IV (09:30-11:00)**  
**Chefren Hall (A&B)**

**RECENT ADVANCES IN LABORATORY, TECHNOLOGY**

**Chairpersons: Prof. Walaa Gad**

*Prof. of Clinical Pathology, Cairo University*

**Prof. Refaat Gaballa**

*Head of Clinical Pathology Department, Ain Shams University*

**Prof. Gehan Kamal El-Saeed**

*Head of Clinical Pathology, Menoufiya University*

**Prof. Ahmad Abd-El Samie**

*Head of Clinical Pathology Department, Menia University*

**Prof. Monazama Abdel-Aal**

*Head of Clinical Pathology Department, Assiut University*

**09:30-09:50** Molecular Detection of B-K Virus in Renal Transplant Recipients

**Prof. Ghada I. Abdel-Wahed**

*Prof. of Clinical Pathology, Ain Shams University*

**09:50-10:10** Recent Advances in Detection of Antigen-Specific Cell-Mediated Immune Response

**Prof. Mona Rafik**

*Prof. of Clinical Pathology, Ain Shams University*

**10:10-10:30** Diagnostic Prospects of Nanoparticles

**Prof. Hassan Azzazy**

*YJ-Research and Technology Center, AUC and  
Dpt. of Biotechnology, University of Maryland University  
College, USA*

**10:30-10:50** The Era of Multiparameter Assay

**Dr. Ahmed Gab-Allah**

*Assist. Prof. of Clinical Pathology, Zagazig University*

**10:50-11:00** Discussion

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**Monday, March 30<sup>th</sup>, 2009**

**Closing Ceremony (11:00-11:30)  
Chefren Hall (A&B)**

**Chairpersons: Prof. Sawsan Hosny Hamza**  
*ESLM and Conference President*

**Prof. Omar El-Rouby**  
*ESLM Vice- President*

**Prof. Gihan Kamal Ali**  
*ESLM Secretary General*

**11:30-12:30 Coffee Break**

**Monday, March 30<sup>th</sup>, 2009**

**Workshop II (12:30-15:30)  
Chefren Hall (B)**

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**STEPS TO CREDIBLE RESEARCH:  
Research Methodology and Research Ethics**

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**Symposium III (12:30-15:30)  
Chefren Hall (A)**

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**CELLULAR THERAPY I**

**Tuesday, March 31<sup>st</sup>, 2009**

**Symposium III (14:30-16:30)  
Chefren Hall (A)**

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**CELLULAR THERAPY II**

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**WORKSHOP AND SYMPOSIUM DETAILS**

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**Saturday, March 28<sup>th</sup>, 2009**

**Workshop I (13:00-16:00)  
Chefren Hall (A)**

**PERFORMANCE-DRIVEN QUALITY CONTROL**

**Dr. Zeo Brooks  
Quality Consultant, Canada**

**Moderator: Prof. Alaa El-Din Saad**  
*Prof. of Clinical Pathology, Suez Canal University*

**Chairpersons: Prof. Gihan Kamal Ali**  
*Professor of Clinical Pathology, Ain Shams University*  
**Prof. Essam Abdallah**  
*Professor of Clinical Pathology, Suez Canal University*

**This interactive workshop will:**

1. Challenge you to decide if the doctors and patients served by your laboratory would benefit from a better Quality Control process by:
  - a. presenting evidence that there is often a serious gap between QC theory and practice, and
  - b. allowing you to test your QC theory and practice against expert consensus.
2. Examine the potential benefits of "Performance-Driven Quality Control" (PD-QC) by:
  - a. describing how Performance-Driven Quality Control guides you to select QC rules and strategies to detect and avoid changes in method performance that would cause patient results to be reported with errors significant enough to cause doctors to reach the wrong clinical conclusion and treat patients inappropriately,
  - b. providing MS Excel templates to model your QC results and practices

3. Explore what could be done to improve laboratory quality control practices by:
  - a. describing how the wisdom of the experts should (but does not) trickle through the entire laboratory industry and permeate every aspect of practice,
  - b. discussing what each key member of the scientific community could do to close the gap between theory and practice,
  - c. examining the role of Performance-Driven Quality Control in that challenge, and
  - d. briefly introducing you to the next generation of Performance-Driven Quality Control, replacing the longstanding complexity of 'statistics and rules' with intuitive 'patterns and probabilities' and clear expert-driven sentences to advise interpretation and action.

**You can maximize your benefit from this workshop by bringing:**

1. If feasible, a laptop with MS Excel and USB port to copy files from a USB drive
2. Recent data for a selection of QC samples to include:
  - a. the current calculated mean, SD date range and number of data points (N),
  - b. your best estimate of the True Value for each sample, based on peer review reports or the midpoint of the package insert range,
  - c. your best estimate of the size of error (deviation from the True value) that would be significant enough to cause doctors to reach the wrong clinical conclusion and treat patients inappropriately, and

The mean and SD values assigned on the QC chart for the current results above

**Monday, March 30<sup>th</sup>, 2009**

**Workshop II (12:30-15:30)  
Chefren Hall (B)**

**STEPS TO CREDIBLE RESEARCH:  
Research Methodology and Research Ethics**

**Moderator: Azza Saleh Radwan, MD**  
*Professor of Clinical and Chemical Pathology, Theodor Bilharz  
Research Institute  
Certified Trainer of International Research Ethics, University of  
Maryland, USA*

**Chairpersons: Prof. Nagib Zoheir**  
*Prof. of Clinical Pathology, Cairo University*  
**Prof. Dalia Helmi Farag**  
*Prof. of Clinical Pathology, Ain Shams University*

**Learning objectives:**

1. Acquire the skills of designing different research methods, either observational or interventional to deliver generalizable knowledge.
2. Recognize the ethical requirements of biomedical research.
3. Know the ethics of stored biological samples.
4. Understand the informed consent process and how to obtain it.

**Session I: Research Methodology**

**12:30-12:45 Welcome, agenda setting and pre- test**

**12:45- 13:15 Cohort studies and clinical trials.**  
**Maged El Setouhy, MD\***  
*Professor Community, Environmental and Occupational  
Medicine,  
Vice Chair of the Research Ethics Committee,  
Faculty of Medicine, Ain Shams University*

**13:15- 13:45 Descriptive studies and Case Control Study.**  
**Diaa Marzouk, MD\***  
*Prof. of Public Health, Moderator of Research  
Ethics Committee, Faculty of Medicine, Ain  
Shams University*

**Session II: Research Ethics**

- 13:45- 14:05** What Makes Research Ethical?  
**Azza Saleh, MD\***  
*Professor Clinical and Chemical Pathology, General Secretary of Institutional Review Board, Theodor Bilharz Research Institute (TBRI).*
- 14:05- 14:25** Ethics of Clinical Research Involving Stored Biological Samples  
**Samia Rizk, MD#**  
*Professor Clinical and Chemical Pathology, Member of Research Ethics Committee, Faculty of Medicine, Cairo University*
- 14:25-14:50** Informed Consent  
**Hany Sleem\***  
*Consultant of Dermatology and Andrology, Chair of Research Ethics Committee (NTMHRI)  
Chair of Research Ethics Committee (ESHD)*
- 14:50-15:20** Discussion
- 15:20-15:30** Post test – Evaluation

\*Certified Trainer of International Research Ethics, University of Maryland, USA.

# Trainee of International Research Ethics, University of Maryland, USA

**Monday, March 30<sup>th</sup>, 2009**

**Symposium (12:30-15:30)  
Chefren Hall (A)**

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**CELLULAR THERAPY I**

**Moderator: Dr. Nemaat Kassem**  
*Oncology Department, Cairo University*

**Chairpersons: Prof. Soheir Abdel Latif**  
*Head of Clinical Pathology Dept. NCI*

**Prof. Salwa Youssef**  
*Prof. of Clinical Pathology, Ain Shams University*

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- International Standards for Human Cell Therapy Products

**Dr. Brian M. Freed**

*Professor of Medicine and Immunology, Executive Director, ClinImmune Labs  
University of Colorado at Denver, Denver, USA*

- Stem Cell Culture Perspectives

**Dr. Manal El-Masry**

*Prof. of Clinical Pathology, Cairo University*

- Prospects of Haplo Identical Transplantation in Egypt

**Dr. Azza Kamel**

*Prof. of Clinical Pathology, National Cancer Institute*

- The Business of Cord Blood Banking: Legal, Regulatory and  
Financial Barriers to Success

**Dr. Brian M. Freed**

*Professor of Medicine and Immunology, Executive Director, ClinImmune Labs  
University of Colorado at Denver, Denver, USA*

**Tuesday, March 31<sup>st</sup>, 2009**

**Symposium (14:30-16:30)  
Chefren Hall (A)**

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**CELLULAR THERAPY II**

**Chairpersons: Prof. Nadia Mowafy**

*Prof. of Clinical Pathology, Ain Shams University*

**Prof. Azza Kamel**

*Prof. of Clinical Pathology, National Cancer Institute*

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- Current Status of Cord Blood Transplantation  
**Dr. Brian M. Freed**  
*Professor of Medicine and Immunology, Executive Director, ClinImmune Labs  
University of Colorado at Denver, Denver, USA*
  
- Cancer Stem Cells : From Identification to Eradication  
**Dr. Nemat Kasem**  
*Consultant Clinical Immunology, Oncology Department, Cairo University*
  
- Cancer Statistics in the National Cancer Institute, Cairo University  
**Dr. Nelly Hassan**  
*National Cancer Institute, Cairo University*
  
- The Future of Stem Cell Therapy  
**Dr. Brian M. Freed**  
*Professor of Medicine and Immunology, Executive Director, ClinImmune Labs  
University of Colorado at Denver, Denver, USA*