



# Cairo University

In collaboration with:

The Arab Council for High Education and  
Scientific Research for the Arab Universities  
Association

The Egyptian Society for Stem Cell Research and  
its Application

***The 8<sup>th</sup> Annual Stem Cell Conference at the  
Great Hall***

*Of the National Cancer Institute on  
Dec. 27-28, 2017*



*8<sup>th</sup> Annual Conference of Stem Cell Research and Applications*

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# SCIENTIFIC PROGRAM



8<sup>th</sup> Annual Conference of Stem Cell Research and Applications

## Wednesday, December 27

### 09.00- 10:00 Registrations and Opening Ceremony

- Prof. M.Othman El Khosht
- Prof. Soltan Abu Arabi
- Prof. Amr adly
- Prof. Hosny Salama
- Prof. Ahmed Shaarawy
- Prof. Mohamed Lotayef
- Prof. Ahmed El Garem
- Prof. Abdel Rahman Zekri

### 10.00 -11.30 ***First Session: Basics of Stem Cell Therapy***

***Moderator*** : Prof. Abdel Rahman Zekri

***Chairpersons*** : Profs. Ahmed Shaarawy, Mervat Al Ansary, Taghrid Gaafar, Hasan Abdel Ghaffar.

#### ***Speakers:***

**10.00 – 10.30** *Cancer stem cell for future target therapy and personalized medicine*

**Prof. Hasan A.Abdelghaffar**

**10.30 – 11.00** *Are Human Adipose Tissue-Derived Mesenchymal Stem Cells Developing In An Aberrant Or Unwanted Way During In Vitro Long-Term Cultivation?*

**Prof. Heba M Saad Eldien**

**11.00 – 11.30** *Genetic Editing of Stem Cell and Its Implications .*

**Prof. Abdel-Rahman Zekri**

**11.30-12.00** Guest Lecture :

***Chairpersons*** : Profs. Ahmed El Garem, Omar Heikal, Hosny Salama

*Regulation and Legalization of Stem Cells World-Wide: Two Decades of Transition From Concept to Reality*

**Prof. Adeb Alzoubi .**

**12.00 -12.30** Café Break



8<sup>th</sup> Annual Conference of Stem Cell Research and Applications

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**12.30 -14.30 Second Session: Stem Cells in liver**

**Moderator** : Prof. Hosny Salama

**Chairpersons** : Profs. Ahmed El Garem, Noman Al - Garam , Hesham Al Khayat, Moh Ezz Al Arab

**Speakers:**

**12.30 – 12.50** *Various Stem Cell lines for treating End-Stage Liver iseaases- Ten Years Experience*  
**Prof. Hosny Salama**

**12.50 – 13.10** *The impact of repeated autologous infusion of haematopoietic stem cells in patients with liver insufficiency*  
**Prof. Eman Medhat**

**13.10 – 13.30** *Peripheral vein infusion of autologous mesenchymal stem cells in Egyptian HCV-positive patients with end-stage liver disease*  
**Prof. Shereen Abdel Al-Alim**

**13.30 – 13.50** *Autologous Bone marrow derived stem cells transplantation in patients with child C liver cirrhosis*  
**Prof. Nagwa Ramadan**

**13.50 –14.10** *Quality of life after stem cell therapy in liver failure patients*  
**Prof. Rasha Ahmed**

**14.30 -15.00 Lunch Break**

**15.00-16.30 Third Session: Stem cells in Hematology and Endocrinology**

**Moderator** : Prof. Adeeb Al Zooby

**Chairpersons** : Profs. Adeeb Al Zooby, Timor Mostafa , Moghazi Mahgoub, Abdel Khalik Hamed.

**Speakers:**

**15.00 – 15.15** *In Vitro studies of Stem Cells and infertility*  
**Prof. Dina Shoukry .**



8<sup>th</sup> Annual Conference of Stem Cell Research and Applications

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**15.15 – 15.30** *Stem Cell and Infertility*  
**Prof. Adeb Al Zooby**

**15.30 – 15.45** *Application of stem cell therapy dermatology*  
**Prof. Hala Gabr**

**15.45- 16.00** *Role of tissue engineering and mesenchymal stem cell transplantation in restoration of thyroid gland function and structure after total thyroidectomy .*  
**Prof. Somia Hassan**

**16.00 – 16.15** *In vitro expansion and differentiation of hematopoietic stem cells into platelets.*  
**Prof. Eman Flores**

**16.15 – 16.30**  
**Prof. Timor Mostafa**



8<sup>th</sup> Annual Conference of Stem Cell Research and Applications

## **Thursday, December 28**

**09.00- 10.00 Guest Lecture :**

***Chairpersons* :** Prof. Hussien khalid, Abdel Rahman Zekri

*How to make insulin –producing cells?*

**Prof. Moughazi Mahgob**

*25 years experience in stem cell transplantation in Egypt .*

**Prof. Hossam Kamel**

**10.00 -11.30 Forth Session: Stem Cells various organs dysfunction**

***Moderator* :** Prof. Eman Medhat

***Chairpersons*:** Profs. Azza Saleh, Hosny Saber, Wael Abul Khair, Abdel Hamid Serwah.

***Speakers:***

**10.00 -10.20** *Ethical Implications of the use of Stem Cells in Medicine*

**Prof. Dina Shoukry**

**10.20 -10.40** *FDA Regulation of stem cell applications*

**Prof. Azza Saleh**

**10.40 -11.00** *Implications of Microvesicles in Therapeutic Pathway of Mesenchymal Stem Cells and Their Protective Role against Ischaemia Reperfusion Induced Kidney Injury)*

**Profs. Mervat El Ansary**

**11.00 -11.20** *Autologous Bone Marrow-Derived Cell Therapy Combined With Physical Therapy Induces Functional Improvement in Chronic Spinal Cord Injury Patients*

**Profs. Wael Abo El-kheir**

**11.20 -11.40** *Are Human Adipose Tissue-Derived Mesenchymal Stem Cells Developing In An Aberrant Or Unwanted Way During In Vitro Long-Term Cultivation?*

**Prof. Heba M Saad Eldien**

**11.40-12.00 Café Break**



8<sup>th</sup> Annual Conference of Stem Cell Research and Applications

**12.00-13.30 Fifth session : Advances in stem cell technology**

**Moderator** :Prof. Farha Al Shennawy

**Chirpersons** :Profs. Hosny Salama, Yaser Al Wazir , Heba Saad, Abeer Bahnasi

**Speakers :**

**12.00-12.15** *Induction of Hepatic Regeneration in An Experimental Model Using Hepatocyte Differentiated MSCs Cultured on 2-Dimentional and 3-Dimensional Culture Systems*

**Prof.Taghrid Gaafar**

**12.15-12.30** *Orientation about The Center of excellence for Research in Regenerative Medicine Applications , CERRMA, at AlexanProf.ia Faculty of Medicine*

**Prof. Ghada Mourad Radwa Mehanna**

**12.30-12.45** *Cell Therapy without Cells. The experience of CERRMA with stem cells exosomes*

**Prof.Radwa Mehanna**

**12.45-13.00** *The application of stem cells in rat model of hepatic fibrosis*

**Prof.Yaser Al Wazir**

**13.00-13.15** *The impact of growth factors on induced pleuripotent stem cell differentiation into cardiomyocytes*

**Prof.Taghrid Gaafar**

**13.15 -13.30** *Role of stem cells, Platelet rich plasma and combination of them in treatment of scars) (Clinical Trial*

**Prof.M.A. Eloteify**

**13.30-14.00 Lunch Break**

**14.00 -15.00 Sixth Session: Cord Blood Forum**

**Moderator** :Prof. Neemat Kasem

**Chairpersons**:Profs. Sara Abdel Aziz, Sherif Naseh Amin, Hala Gabr, Prof. Eman Medhat.

**Speakers:**

**14.00 -14.20** *Top 10 Cord blood banks worldwide and Egyptian experience in stem cell therapy and research*



8<sup>th</sup> Annual Conference of Stem Cell Research and Applications

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**Prof.Neemat Kassem**

**14.20 -14.40** *Cord Blood Mesenchymal Stem Cells Therapy Restores Ovarian Functions in a Preclinical Model of Chemotherapy Induced Premature Ovarian Failure.*

**Prof.Sara Abdelaziz Ebada**

**14.40 -15.00** *Re-programming of T cells to generate stem cell memory T cells ( $T_{SCM}$  cells) for anti-tumor adoptive immunotherapy*

**Prof.Sherif Zidan**

**15.00 -15.30 Recommendation and closing**





8<sup>th</sup> Annual Conference of Stem Cell Research and Applications

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*Prof. Abdel Rahman Zekri*

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*Prof. Ahmed El Garem*

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*Prof. Alaa El Mahdy*

*Prof. Ali Al Kady*

*Prof. Asem El Sherif*

*Prof. Azza Saleh*

*Prof. Dina Shoukry*

*Prof. Eman Flores*

*Prof. Eman Medhat*

*Prof. Hala Gabr*

*Prof. Hanan Al Baz*

*Prof. Hasan Abel Ghaffar*

*Prof. Hassan Hamdy*

*Prof. Hesham El Khayat*

*Prof. Hosam Kamel*

*Prof. Hosny Salama*

*Prof. Hussien Khalid*

*Prof. Medhat Al Hosary*

*Prof. Mervat Al Ansary*

*Prof. Mohamed El Ateek*

*Prof. Mohamed El-Ateek*

*Prof. Mostafa Gabr*

*Prof. Neemat Kasem*

*Prof. Nooman Al Garem*



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*Prof. Rawia Ezzat*

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*Prof. Seham Abdel Rahim*

*Prof. Sherif Abdel Fattah*

*Prof. Sherif Megawer*

*Prof. Taghrid Gaafar*

*Prof. Tarek Kaddah*

*Prof. Wael Abul Khair*

*Prof. Yaser Al Wazir*

*Prof. Yousry Taher*