



**Prof. Mohamed L. Salem's visit to
Children Research Institute
Medical Univ. of South Carolina, USA
on November 15, 2014**



**Inderjit Singh, MD, PhD
Professor of Pediatrics
Department of Pediatrics
Medical University of South Carolina
Charleston, SC, USA
<http://www.musckids.org/pediatrics/research/news/singh.htm>**

November



MUSC
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2014



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A brief summary on the visit

On November 12, Prof. Mohamed L. Salem, currently a visiting Prof. at Department of Microbiology and Immunology, College of Medicine, Medical University of South Carolina, USA visited the Children's Research Institute, Medical Univ. of South Carolina, USA. **Prof. Inderjit Singh the Endowed Prof.** welcomed him and presented a brief presentation on his laboratory and her work on drug discovery.

Prof. Salem also gave a brief presentation on Tanta University and Center of Excellence in Cancer Research and the proteomic array available at the center and expressed collaborative activities.

Then Prof. Salem gave a scientific talk entitled: **Combinatorial anti-cancer chemotherapy and Immunotherapy.**

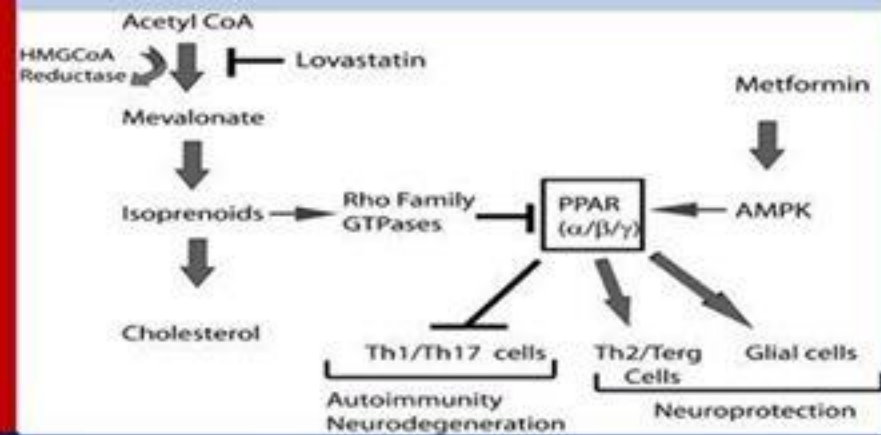
Then, Prof. Salem had a tour at about 400m² with the guidance of Dr. **Khan Mushtaq** who is Associate Prof. of Pediatrics and a collaborator.

Prof. Inderjit Singh expressed her willingness to assess any efforts at Tanta to establish a similar facility as well as to run samples at a discounted rate for who is interested in drug discovery in particular toward diabetes, autoimmune diseases and cancer.

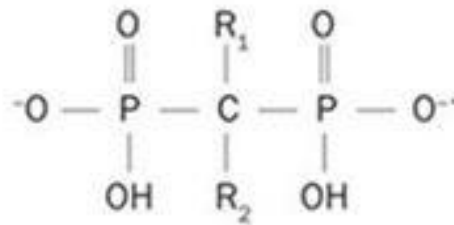
Dr. Inderjit Singh, Endowed Prof.

- The Charles P. Darby Children's Research Institute established The Sherman Financial Endowed Chair in neurosciences to honor **the nationally-known scientific director Dr. Inderjit Singh**, who has gained national prominence for his research on **statins**. This endowed chair supports the efforts of a distinguished physician who will bring the latest in pediatric neurological care to the state of South Carolina.
- This individual will work closely with Dr. Singh on the development of clinical trials and bridge the gap between laboratory developments and the patient's treatment.
- Some of the areas of development include stroke, mental retardation, and spinal cord injury.

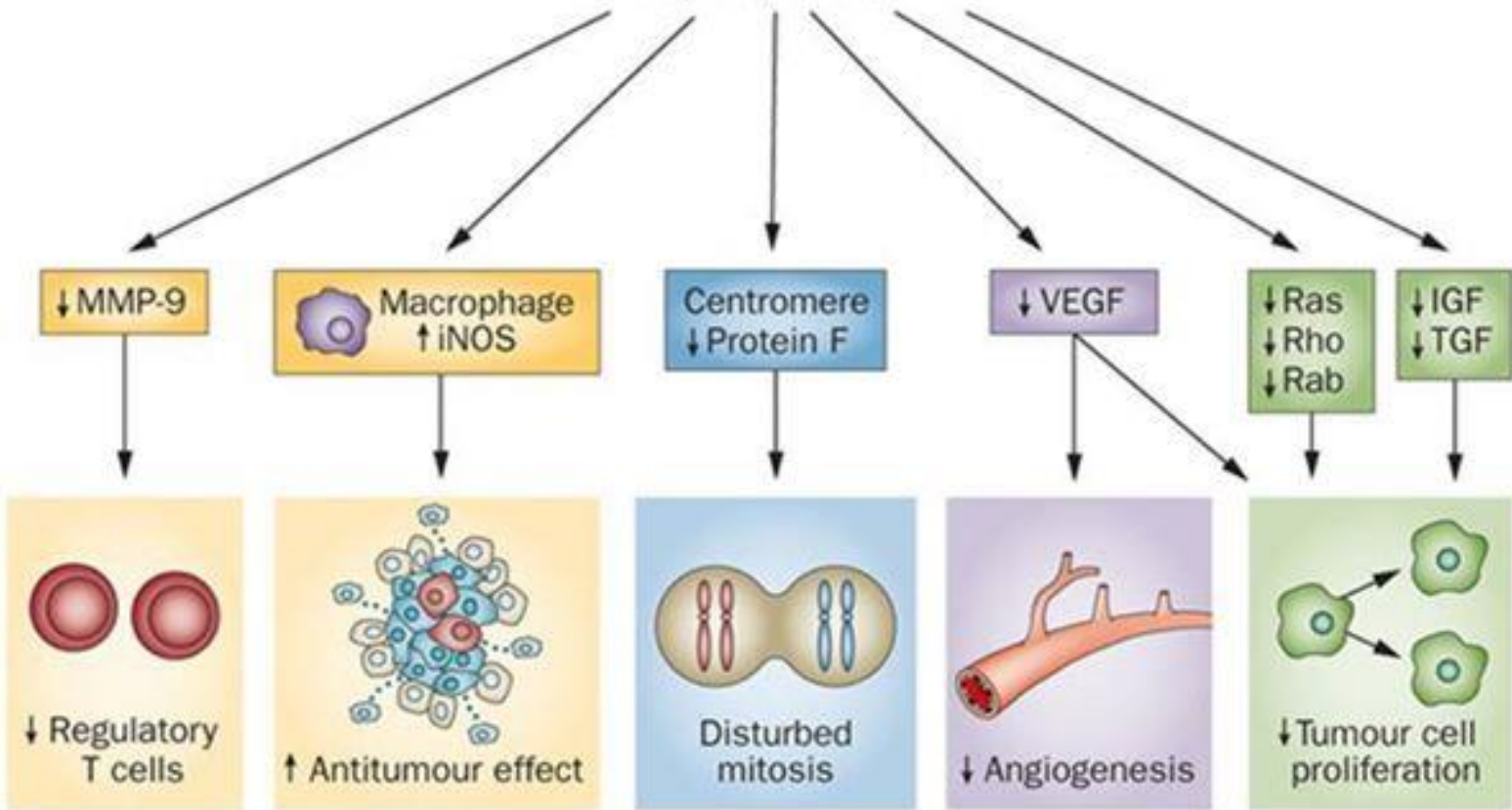
MUSC- Center of Neuroscience



- **Prof. Inderjit Singh** neuroscientific research focuses on inflammatory disease associated processes. He is primarily investigating ALD (adrenoleukodystrophy), you may have heard about it in the movie "Lorenzo's Oil."
- The ALD research helps us understand disease processes for several conditions, like multiple sclerosis, stroke, spinal chord injury and epilepsy.
- Hereceived a seven-year grant in 2002 from the NIH to continue my ALD research. In addition, I am also the recipient of other NIH grants to study multiple sclerosis, stroke and epilepsy. I am also working with the MUSC Transplant Program using anti-inflammatory drugs to improve organ preservation.



Bisphosphonates





Nationally acclaimed neuroscientist **Inderjit Singh, Ph.D.**, was celebrated as the Sherman Financial Group Endowed Chair in Neurosciences during a dinner that also celebrated the 20th anniversary of the Children's Hospital Sept. 13.

Combinatorial Anti-Cancer Chemotherapy and immunotherapy

By

Mohamed Labib Salem, PhD

Prof. of Immunology

Director, Center of Excellence in Cancer Research

Tanta University, Egypt



Children Research Institute
MUSC, USA
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What I talked about

- **Types of Cancer Therapies**
- **Cancer Immunotherapy**
- **Challenges to cancer immunotherapy**
- **Role of immunosuppressive cells**
- **Combination of Chemo and Immunotherapy**















Laboratory 2



Laboratory 3

If someone interested to get more information or reach **Inderjit Singh, Ph.D**, please contact me at:
cecr@unv.tanta.edu.eg

Thank you
Prof. Mohamed L. Salem