

Molecular Mechanisms in Tissue Degeneration and Regeneration

Buenos Aires, Argentina
1-3 October, 2015



LECTURE

Genetically modified stem cells for cardiac regeneration.

Dr. ALBERTO JOSÉ CROTTOGINI

He was born in Buenos Aires, Argentina, in 1949. He obtained his MD degree in 1973 at Buenos Aires University Medical School. He completed his Residency in Internal Medicine in 1977 at Rawson Hospital, Buenos Aires. From June 1977 to October 1979 he was a DANIDA Fellow in Clinical Chemistry and Critical Care at Herlev Hospital, Copenhagen University, Denmark. In 1982 he became Specialist in Cardiology, Buenos Aires University, hold a training fellowship in sonomicrometry at Seaweed Canyon Laboratory, UCSD, USA, and in 1991 he obtained his PhD degree in Medicine at Buenos Aires University.

Formerly staff physician of the Intensive Care Unit at Buenos Aires British Hospital and Chief of the Critical and Coronary Care Unit at Dr. Diego E. Thompson Hospital, San Martín, Buenos Aires Province, he joined the Basic Research Institute of the Favalaro Foundation in 1984 and chaired the Cardiac Mechanics Lab until 1998. In 1992 he became Full Professor and later, in 1998, Director, of the Department of Physiology at the Favalaro University, Buenos Aires, Argentina, where he leads the Regenerative Cardiology Lab and teaches Physiology at the School of Medical Sciences. At his lab, Crottogini has been, and continues to be, director of PhD candidates, early career investigators and medical students. In 2004, Dr. Crottogini joined the National Council for Scientific and Technical Investigation (CONICET) of Argentina, where he is Principal Clinical Investigator. He is also a Grade V investigator of the Program for the Development of Basic Sciences (PEDECIBA) of Uruguay.

Dr. Crottogini's field of research is gene- and stem cell-based therapies for angio-arteriogenesis and cardiomyogenesis in ischemic heart disease and peripheral artery disease. He works on large mammalian models of chronic myocardial ischemia, acute myocardial infarction and heart failure, and in canine models of critical limb ischemia, with a strong translational approach.

His scientific production includes 47 papers in international journals like *Am J Physiol*, *Gene Ther*, *Hum Gene Ther*, *J Gene Med*, *Circulation*, *Cardiovasc Res*, *Int J Cardiol*, *Atheroscl Thromb Vasc Biol*, *Cytotherapy*, *J Cardiovasc Pharmacol*, among others, and over 150 contributions to national and international congresses.

Formerly a member of the Editorial Board of *Gene Therapy*, Dr. Crottogini serves as guest editor referee for many international journals and as reviewer for research projects from local and international research granting agencies. He serves, as well, as jury for doctoral theses and science awards in national and regional universities and scientific societies.

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Dr. Crottogini is a member of American College of Cardiology, American Heart Association, International Society for Heart Research, and the Argentine Societies of Clinical Investigations, Cardiology, Arterial Hypertension and Physiology. At present, he is Vice-president of the Argentine Society of Physiology.