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Relevance and scope of SMS derived multicellular micro machines (M3) in native tissue reconstruction

Abdulkader Rahmo New Cell Sciences Inc., USA

The newly discovered Small Mobile Stem (SMS) cells exhibit the extraordinary ability to form diverse complex cooperative multicellular assemblies. These assemblies have a demonstrated aptitude for engineering, tissue like structures in an *in vitro* cell culture set up. The observed approach to construction can be ascribed to a top down *modus operandi* at a micro level. It is executed by units we designated as Multicellular Micro Machines (M_3). To explore the relevance and scope of this *in vitro* discovery, for the in vivo case of tissue reconstruction, M_3 assemblies and their traces were hunted in a broad variety of native tissues. Results indicate the importance of implicating the M_3 mediated mechanism in native tissue reconstruction; and demonstrate hence the fundamental role of SMS cells.

Biography

Abdulkader Rahmo has completed his Diploma in Biochemistry in 1988 at the Swiss Federal Institute of Technology (ETHZ), his Ph.D. in Biochemistry and Molecular biology in 1994 at the University of Southern California (USC) in Los Angeles USA. He was heading the medical biotech section at the National Commission for Biotechnology. Currently he is the CSO of a newly established American biotech company. He is the sole Author of several scientific books and Co-Author of many scientific articles.

a.rahmo@gmail.com

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