

On 2018-07-02 16:31, Stem Cell Conference wrote:

Dear Dr. Hossein Ghanbari,

Greetings from Stem cell-2018,

Thank you for connecting through phone call. as per our conversation kindly submit the abstract as per the attached template.

for online abstract submission for visit: <https://www.scientificfederation.com/stem-cell-tissue-engineering-2018/abstract-submission.php>

We looking forward to your quick response

regards,
Sarah



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----- Original Message -----

Subject:Final Program for Stem Cell-2018 Barcelona, Spain
Date:2018-07-11 13:20
From:stemcell2018@gmail.com
To:Dr Hossein Ghanbari <hghanbari@tums.ac.ir>

Dear Dr. Hossein Ghanbari,

Hope this mail finds you well!!!

We pleased to inform you that your talk scheduled on day 1, the time of your Keynote presentations is 12:40 pm to 13:20pm.

Title: Application of nanotechnology and stem cell technology in the next generation cardiovascular implants

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Hence we request you to schedule your travel accordingly.

Conference venue & hotel accommodation: **Alimara Barcelona Hotel**
Carrer de Berruguete, 126, 08035 Barcelona, Spain

Thanks & Regards,

Sarah



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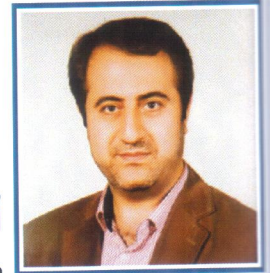
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Global Summit on

Stem Cell & Tissue Engineering

July 23-24, 2018 at Barcelona, Spain



Hossein Ghanbari

Tehran University of Medical Sciences, Iran

Application of nanotechnology and stem cell technology in the next generation cardiovascular implants

Emerging advanced technologies such as nanotechnology offers great potential to overcome current issue in different fields including biomedical field. Application of nanotechnology in the field of biomedical and cardiovascular devices has attracted research attention in recent years¹. Development of new nonmaterial's and nanocomposite hybrids with enhanced bio and hem compatibility and improved mechanical and physicochemical properties offers great advantages over conventional materials². Merging nanotechnology with other advanced technologies such as stem cell technology and regenerative medicine principals in development of next generation viable or semi-viable devices is a new paradigm in biomedical research. In this paper we will report our findings of development of next generation cardiovascular devices such as heart valve, coronary stents and bypass grafts based on nanotechnology and regenerative medicine principals. The results of multiple tests to investigate bio and hem compatibility, mechanical and surface properties and self-endothelialisation potential were very promising. This indicates that future prospect of the application of nanotechnology and stem cell technology in development of next generation cardiovascular devices is bright.

Acknowledgements: This research was supported by National Institute for Medical Research Development (NIMAD) (Grant number 957310).

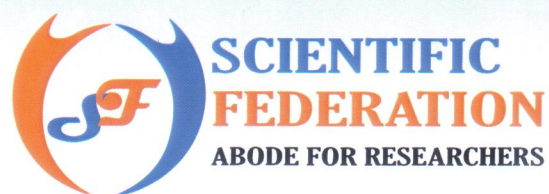
Reference

- 1- Ghanbari H, et al. Int J Nanomedicine. 2011; 6:775-86
- 2- Ghanbari H, Trends Biotechnol. 2009 ;27 (6):359-67

Biography

Hossein Ghanbari and completed his medical degree (MD) in 2002 and then was awarded a PhD scholarship on nanotechnology & regenerative medicine in 2007. He did his PhD at University College London; Centre for Nanotechnology and Regenerative Medicine and after graduation in 2011, he has been working as an associate professor of regenerative nanomedicine at School of Advanced Technologies in Medicine and co-founder of Research Center for Advanced Technologies in Cardiovascular Medicine, Tehran Heart Center, Tehran University of Medical Sciences. His research interests mainly include application of nanotechnology and stem cell technology in development of biomedical and cardiovascular devices and next generation implants using nonmaterials and stem cell technology.

77th & 78th Conferences
Scientific Federation



Global Summit on
Stem Cell & Tissue Engineering

World Conference on
Analytical & Bioanalytical Chemistry

July 23-24, 2018 at Barcelona, Spain



Scientific Federation

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