



Curriculum Vitae

Seyed Mahdi Hassanian Mehr

Department of Medical Biochemistry,
Mashhad University of Medical sciences
Mashhad, Iran
Tel: (+9851)38002369
Email: hasanianmehrm@mums.ac.ir

Education

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| 2002-2006 | Ferdowsi University, B.Sc. Biology |
| 2006-2008 | Tarbiat Moalem University, M.Sc. Molecular and Cellular Biology |
| 2010-2014 | Saint Louis University, School of Medicine, Ph.D. Biochemistry |

Publications

1. Intraperitoneal Administration of Activated Protein C Prevents Postsurgical Adhesion Band Formation.

Hassanian SM*, Dinarvand P*, Weiler H, Rezaie AR. Blood 2015 125(8), 1339-48. PMID: 25575539. IF: 9.77

❖ **Hassanian SM** and Dinarvand P made equal contribution to this study.

2. Polyphosphate amplifies proinflammatory responses of nuclear proteins through interaction with receptor for advanced glycation end products and P2Y1 purinergic receptor.

Dinarvand P, **Hassanian SM**, Qureshi SH, Manithody C, Eissenberg JC, Yang L, Rezaie AR. Blood 2014 123 (6), 935-945. PMID: 24255918. IF: 9.77

3. Polyphosphate elicits proinflammatory responses through activation of mTOR complexes 1 and 2 in vascular endothelial cells.

Hassanian SM, Dinarvand P, Smith SA, Rezaie AR. J Thromb Haemost. 2015 13(5):860-71. PMID: 25776944. IF: 5.55

❖ Schematic **Fig. 6** which is summary of our findings in the manuscript has been selected by JTH editorial board for the **cover image of the journal for the May 2015 Issue**.

4. Adenosine regulates the proinflammatory signaling function of thrombin in endothelial cells.

Hassanian SM, Dinarvand P, Rezaie AR. Journal of Cellular Physiology 2014 229 (9), 1292-1300. PMID: 24477600. IF: 3.87

5. Expression and functional characterization of natural R147W and K150del variants of protein C in the Chinese population.

Ding Q, Yang L, **Hassanian SM**, Rezaie AR. Thromb Haemost 2013 109 (4), 614-624, PMID: 23389250. IF: 5.76

6. Determinants of the specificity of protease-activated receptors 1 and 2 signaling by factor Xa and thrombin.

Rana S, Yang L, **Hassanian SM**, Rezaie AR. Journal of Cellular Biochemistry 2012 113 (3), 977-984. PMID: 22034092. IF: 3.37

7. Polyphosphate: a key modulator of inflammation. "Review article". 2015. In preparation.

8. Activated Protein C Prevents Peritoneal Fibrosis. 2015. In preparation.

❖ This manuscript has been presented in the 56th ASH annual meeting 2014.

<https://ash.confex.com/ash/2014/webprogram/Paper68961.html>

9. Polyphosphate through activation of Wnt/ β -catenin signaling pathway modulates expression, stability and nuclear localization of cyclin D1 to regulate cell proliferation in vascular endothelial cells. 2015. In preparation.

Honors and Research Fundings

Recipient of the Gold medal and Diploma in the "37th International Exhibition of Inventions" Geneva, Switzerland. 2009.

Recipient of Research Assistantship for the 2010-2014 academic years, Saint Louis University, MO, USA.

Conferences and presentations

55th American Society of Hematology (**ASH**) Annual Meeting and Exposition. New Orleans, LA. December 7-10, 2013. Poster presentation. Adenosine regulates the proinflammatory signaling function of thrombin in endothelial cells.

<https://ash.confex.com/ash/2013/webprogram/Paper65396.html>

56th American Society of Hematology (**ASH**) Annual Meeting and Exposition. San Francisco, CA. December 6-9, 2014. Poster presentation. Inorganic polyphosphate activates mTOR complexes 1 and 2 in vascular endothelial cells.

<https://ash.confex.com/ash/2014/webprogram/Paper69330.html>

