



# Shiva Akbari Birgani

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## Publications

### Journals

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- Zahra Madadi, Shiva Akbari-Birgani<sup>1\*</sup>, Saeed Mohammadi\*, Mitra Khademy, Seyed Asadollah Mousavi, "The Effect of Caspase-9 in the Differentiation of SH-SY5Y Cells", European Journal of Pharmacology, Vol. 904, NO. 174138, 4, 2021, doi: [10.1016/j.ejphar.2021.174138](https://doi.org/10.1016/j.ejphar.2021.174138)
- Atefeh Safaei-Yaraziz, Shiva Akbari-Birgani and Nasser Nikfarjam\*, "Porous scaffolds with the structure of an interpenetrating polymer network made by gelatin methacrylated nanoparticle-stabilized high internal phase emulsion polymerization targeted for tissue engineering", RSC Advances, 06, 2021, doi: [DOI  
https://doi.org/10.1039/D1RA03333F](https://doi.org/10.1039/D1RA03333F)
- Fatemeh Saghatchi<sup>1</sup> & Masoud Mohseni-Dargah<sup>2</sup> & Shiva Akbari-Birgani<sup>2,3</sup> & Samaneh Saghatchi<sup>4</sup> & Babak Kaboudin<sup>1,3</sup>, "Cancer Therapy and Imaging Through Functionalized Carbon Nanotubes Decorated with Magnetite and Gold Nanoparticles as a Multimodal Tool", Applied Biochemistry & Biotechnology, 02, 2020, doi: [10.1007/s12010-020-03280-3](https://doi.org/10.1007/s12010-020-03280-3)
- Hosein Kafian, Meelad Lalenejad, Sahar Moradi-Mehr, Shiva Akbari Birgani, Daryoush Abdollahpour, "Light-Sheet Fluorescence Microscopy with Scanning Non-diffracting Beams", Scientific Reports, Vol. 10, 05, 2020, doi: [10.1038/s41598-020-63847-2](https://doi.org/10.1038/s41598-020-63847-2)



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- Shiva Akbari-Birgania,b,\* , Mitra Khademya, Masoud Mohseni Dargaha, Zahra Madadia, Roya Mokhtar Ahmadabadia, Parviz Davoodi Monfareda. , "Caspases interplay with kinases and phosphatases to determine cell fate. ", *European Journal of Pharmacology*, 1, 2019, doi: [10.1016/j.ejphar.2019.04.048](https://doi.org/10.1016/j.ejphar.2019.04.048)
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- Madadi, Z., Akbari-Birgani, S\*, Davoodi-Monfared, P., Mohammadi, S., "The non-apoptotic role of caspase-9 promotes differentiation in leukemic cells.", *Biochim Biophys Acta Mol Cell Res*, 08, 2019, doi: [10.1016/j.bbamcr.2019.118524](https://doi.org/10.1016/j.bbamcr.2019.118524)
- Mokhtar-Ahmadabadi R, Madadi Z, Akbari-Birgani S, Grillon C, Hasani L, Hosseinkhani S, Zareian S., "Developing a circularly permuted variant of Renilla luciferase as a bioluminescent sensor for measuring Caspase-9 activity in the cell-free and cell-based systems.", *Biochemical and Biophysical Research Communications*, 2018, doi: [10.1016/j.bbrc.2018.11.009](https://doi.org/10.1016/j.bbrc.2018.11.009).
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