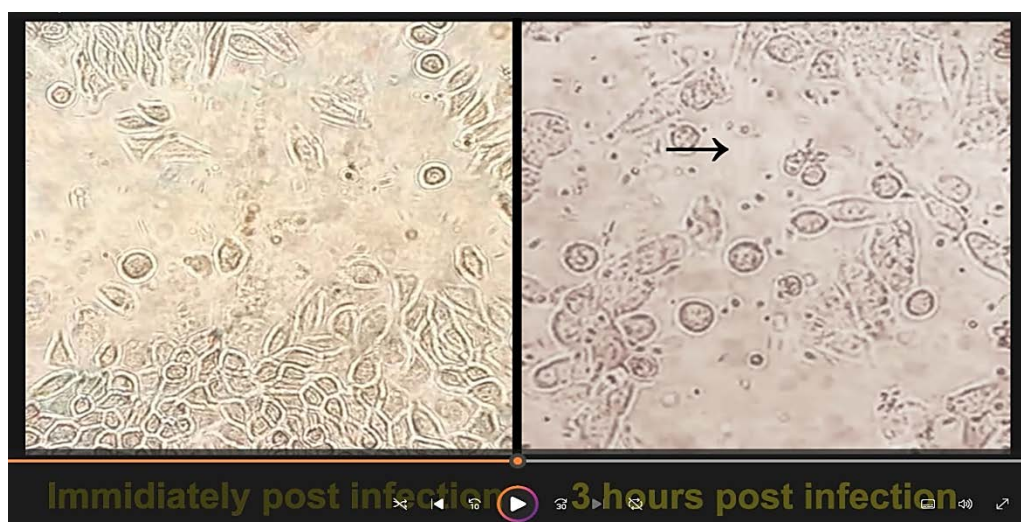


# Phagocytosis of *Leishmania Major* Parasites by Murine Macrophages; what is happening under a Microscope?

Zahra Hajiloo<sup>1</sup>, Fatemeh Ahangari<sup>2</sup>, Ali Najafi Dastenaee<sup>2</sup>, Fatemeh Haghighi<sup>3</sup>, Asal Katebi<sup>2</sup>, Soheila Ajdary<sup>2</sup>, Jafar Vatandoost<sup>1\*</sup>, Farhad Riazi-Rad<sup>2\*</sup>

1. Department of Biology, Faculty of Science, Hakim Sabzevari University, Sabzevar, Iran.
2. Department of Immunology, Pasteur Institute of Iran, Tehran, Iran.
3. Department of Biology, Science and Research Branch, Islamic Azad University, Tehran, Iran.



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## \*FIRST CORRESPONDING AUTHOR

Jafar Vatandoost

Email: jafar.vatandoost@gmail.com

## \*SECOND CORRESPONDING AUTHOR

Farhad Riazi-Rad

Email: riazirad@yahoo.com

The promastigotes of *Leishmania major* (MRHO/IR/75/ER) were grown as previously described [1]. J774A.1 which is a murine macrophage Cell Line was purchased from Pasteur Institute of Iran and cultured using Roswell Park Memorial Institute medium (RPMI-1640) (Biowest, France) enriched with 10% heat-inactivated Fetal Bovine Serum (FBS) (Gibco, USA) with 2 mM L-glutamine (Sigma, Australia) and 1% penicillin/streptomycin (Gibco, USA).  $7 \times 10^6$  macrophage cells were seeded in a T75 cell culture flask (SPL life sciences, South Korea). After 24 hours,  $7 \times 10^7$  stationary phase promastigotes of *L. major* were added to the T75 flask containing J774A.1 macrophage cells. The video was recorded immediately and 3 hours after the infection of macrophages with *L. major* parasites under an inverted microscope (OPTIKA, Italy) with Samsung A13 mobile phone camera (Samsung, USA).

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