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Publications

PUBLICATIONS

• Early non-neutralizing, afucosylated antibody responses are associated with COVID-19 severity. *Science translational medicine*
  1800: eabm7853

• Expression of inducible NOS is indispensable for the antiproliferative and proapoptotic effect of imatinib in BCR-ABL positive cells *JOURNAL OF LEUKOCYTE BIOLOGY*
  Singh, A., Awasthi, D., Dubey, M., Nagarkoti, S., Chandra, T., Barthwal, M., Tripathi, A., Dikshit, M.
  2021; 110 (5): 853-866

• Catalase S-Glutathionylation by NOX2 and Mitochondrial-Derived ROS Adversely Affects Mice and Human Neutrophil Survival. *Inflammation*
  Nagarkoti, S., Dubey, M., Sadaf, S., Awasthi, D., Chandra, T., Jagavelu, K., Kumar, S., Dikshit, M.
  2019; 42 (6): 2286-2296

• S-Glutathionylation of p47phox sustains superoxide generation in activated neutrophils. *Biochimica et biophysica acta. Molecular cell research*
  Nagarkoti, S., Dubey, M., Awasthi, D., Kumar, V., Chandra, T., Kumar, S., Dikshit, M.
  2018; 1865 (2): 444-454

• Nitric oxide-mediated apoptosis of neutrophils through caspase-8 and caspase-3-dependent mechanism *CELL DEATH & DISEASE*
  Dubey, M., Nagarkoti, S., Awasthi, D., Singh, A. K., Chandra, T., Kumaravelu, J., Barthwal, M. K., Dikshit, M.
  2016; 7

  Singh, A. K., Awasthi, D., Dubey, M., Nagarkoti, S., Kumar, A., Chandra, T., Barthwal, M. K., Tripathi, A. K., Dikshit, M.
  2016; 58: 28-41

• Oxidized LDL induced extracellular trap formation in human neutrophils via TLR-PKC-IRAK-MAPK and NADPH-oxidase activation *FREE RADICAL BIOLOGY AND MEDICINE*
  Awasthi, D., Nagarkoti, S., Kumar, A., Dubey, M., Singh, A. K., Pathak, P., Chandra, T., Barthwal, M. K., Dikshit, M.
  2016; 93: 190-203

• L-Plastin S-glutathionylation promotes reduced binding to beta-actin and affects neutrophil functions *FREE RADICAL BIOLOGY AND MEDICINE*
  2015; 86: 1-15

• Interaction of Inducible Nitric Oxide Synthase with Rac2 Regulates Reactive Oxygen and Nitrogen Species Generation in the Human Neutrophil Phagosomes: Implication in Microbial Killing *ANTIOXIDANTS & REDOX SIGNALING*
  Jyoti, A., Singh, A. K., Dubey, M., Kumar, S., Saluja, R., Keshari, R. S., Verma, A., Chandra, T., Kumar, A., Bajpai, V. K., Barthwal, M. K., Dikshit, M.
  2014; 20 (3): 417-431

• S-glutathionylation: relevance in diabetes and potential role as a biomarker *BIOLOGICAL CHEMISTRY*
  Sanchez-Gomez, F. J., Espinosa-Diez, C., Dubey, M., Dikshit, M., Lamas, S.
  2013; 394 (10): 1263-1280
- Cytokines Induced Neutrophil Extracellular Traps Formation: Implication for the Inflammatory Disease Condition. *PLOS ONE*
  Keshari, R. S., Jyoti, A., Dubey, M., Kothari, N., Kohli, M., Bogra, J., Barthwal, M. K., Dikshit, M.
  2012; 7 (10)

- Neutrophil extracellular traps contain mitochondrial as well as nuclear DNA and exhibit inflammatory potential. *Cytometry. Part A : the journal of the International Society for Analytical Cytology*
  Keshari, R. S., Jyoti, A., Kumar, S., Dubey, M., Verma, A., Srinag, B. S., Krishnamurthy, H., Barthwal, M. K., Dikshit, M.
  2012; 81 (3): 238-247