

Recent publications from the Department of Translational Research

1. Kuan R, **Agrawal DK**, Thankam FG: Treg cells in atherosclerosis. *Mol Biol Reports* – Accepted for publication – June 2021
2. Tam J, Thankam FG, **Agrawal DK**, Radwan-Ahmed MM: Critical Role of LOX-1-PCSK9 Axis in the Pathogenesis of Atheroma Formation and Its Instability. *Heart, Lung and Circulation* 2021 Jun; <https://doi.org/10.1016/j.hlc.2021.05.085>; PMID:
3. Fang W, **Agrawal DK**, Thankam FG: ‘Smart-Exosomes’: A Smart Approach for Tendon Regeneration. *Tissue Engineering Part B* 2021 Jun 2. DOI: [10.1089/ten.TEB.2021.0075](https://doi.org/10.1089/ten.TEB.2021.0075); PMID: 34074136
4. Kato B, Wisser G, Agrawal DK, Wood T, Thankam FG: 3D Bioprinting of Cardiac Tissue: Current Challenges and perspectives. *Journal of Materials Science: Materials in Medicine (JMSM)* 2021 May 6;32(5):54. DOI: [10.1007/s10856-021-06520-y](https://doi.org/10.1007/s10856-021-06520-y); PMID: **33956236**
5. Nguyen M, Thankam FG, **Agrawal DK**: Sterile inflammation in the pathogenesis of maturation failure of arteriovenous fistula. *J Mol Med. (Berl)* 2021; 99(6): 729-741. DOI: [10.1007/s00109-021-02056-4](https://doi.org/10.1007/s00109-021-02056-4); PMID: **33666676**
6. Khwaja B, Thankam FG, **Agrawal DK**: Mitochondrial DAMPs and altered mitochondrial dynamics in oxLDL-burden in atherosclerosis. *Mol Cell Biochem.* 2021 Apr; 476(4): 1915-1928. doi: [10.1007/s11010-021-04061-0](https://doi.org/10.1007/s11010-021-04061-0); PMID: 33492610.
7. Mohindra R, **Agrawal DK**, Thankam FG: Altered vascular extracellular matrix in the pathogenesis of atherosclerosis. *J Cardiovasc Translational Research* 2021 Jan 8. <https://doi.org/10.1007/s12265-020-10091-8>; PMID: 33420681
8. Truong R, Thankam FG, **Agrawal DK**: Immunological mechanisms underlying sterile inflammation in the pathogenesis of atherosclerosis: potential sites for intervention. *Expert Rev Clin Immunol.* 2021 Jan; 17(1):37-50; <https://doi.org/10.1080/1744666X.2020.1860757>; PMID: 33280442
9. Chen HC, **Agrawal DK**, Thankam FG: Biomaterials-driven sterile inflammation. *Tissue Eng Part B* 2021 Feb 23. <http://dx.doi.org/10.1089/ten.TEB.2020.0253>; PMID: 33213285
10. Shofler D, Rai V, Mansager S, Cramer K, **Agrawal DK**: Effect of Resolvin Mediators in the Immunopathology of Diabetes and Wound Healing. *Expert Rev Clin Immunol.* 2021 Apr 1; DOI: [10.1080/1744666X.2021.1912598](https://doi.org/10.1080/1744666X.2021.1912598); PMID: **33793355**