**Tabel 1**

**Wnt5a and Inflammatory Diseases**

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| **Diseases** | **Wnt Trend** | **Activated**  **Cells** | **Proinflammatory Cytokines** | **Signaling**  **Pathway** | **Pathophysiology phenotype** |
| Sepsis | Increased | Macropages | IL-1β/IL-6/  IL-8/MIP-1b | Wnt5a/FZD5/  CaMKII | Inflammation |
| Asthma | Increased | Airway SMCs | TGF-β1 | Wnt5a/JNK | Airway remodeling/ Hyperresponsiveness/ Inflammation |
| COPD | Increased | Alveolar epithelial cells | IL-6/IL-8 | Wnt5a/JNK1 | Emphysema/ impaired tissue repair |
| Tuberculosis | Increased | Macrophages | IL-6/IL-12/  TNF-α/IL-1β | FOXO1/Wnt5a  TLR/NF-κB | Immune regulation |
| Rheumatoid Arthritis | Increased | Macrophages/  Synovial Fibroblasts | IL-6/IL-8/  IL-15 | Wnt5a/FZD5 | Inflammation |
| Atherosclerosis | Increased | Macrophages/ Endothelial cells/SMCs | COX-2/MCP-1/MMP-2/MMP-9 | Wnt5a/Ror2  MAPK/NF-κB  USP17/RAC1  mTORC1-NPC1/NPC2 | Calcification of vascular, endothelial cells and SMCs / Inflammation/LDL Oxidization |
| Psoriasis Vulgaris | Increased | Epidermal Keratinocytes | Non-specific | Wnt5a/FZD5 | Inflammation |

SMC: smooth muscle cell; LDL: low-density lipoprotein