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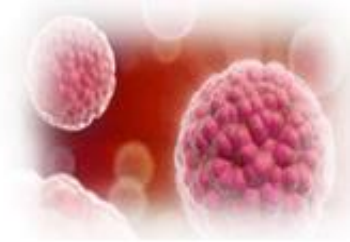
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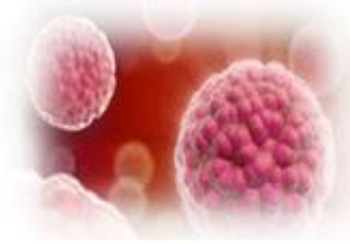


Translational Medicine

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# Biography

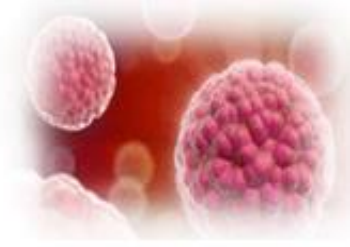
Open Access



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## Research Interest

Open Access



Biology and function of alimentary tract secretions glycochemistry of saliva and gastrointestinal tract mucus structure macromolecular organization and the role of mucus in mucosal defense alcohol abuse and oral mucosal and gastric injury molecular basis of mucosal tissue injury and repair pathogenic mechanisms of *P gingivalis* and *H pylori* action and mucosal defense; mucosal inflammatory responses to *Pgingivalis* and *H pylori* lipopolysaccharide co and post-translational processing of secretory glycoproteins signal transduction pathways affecting salivary and gastric mucin elaboration signal transduction and secretory control mechanisms role EGF and EGFR transactivation in secretory protein and glycoprotein processing; role of leptin and ghrelin in gastric and oral mucosal defense; extracellular matrix and their cell surface receptors (integrins) tooth-gingiva interaction; biochemistry of calcium channels modulators of oral and gastric epithelial secretory responses apoptosis, signal transduction endothelins, cPLA2 nitric oxide synthase NSAID and gastric and oral mucosal wound healing biochemical pharmacology of mucosal inflammatory responses.

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