

<b>DISCIPLINA DO PPGCF: ADESÃO CELULAR E POLARIZAÇÃO EPITELIAL</b>			<b>SIGLA: MEC</b>
<b>Curso:</b> Mestrado e Doutorado em Ciências Farmacêuticas			
<b>INFORMAÇÕES BÁSICAS:</b>			
<b>Professoras responsáveis:</b> Rubén Gerardo Contreras Patiño e Leandro Augusto O Barbosa			
<b>Nível:</b> Mestrado e Doutorado		<b>Obrigatório ou optativa:</b> optativa	
<b>Área de Concentração:</b> Substâncias Bioativas		<b>Pré-requisito:</b> -	
<b>CARGA HORÁRIA</b>			
<b>Teórica:</b> 15h	<b>Prática:</b>	<b>Total:</b> 15h	<b>Créditos:</b> 1
<b>EMENTA</b>			
<i>Epithelial polarity, Epithelial adhesion, Pathologies of epithelial adhesion, Review of central concepts on epithelial adhesion and polarity</i>			
<b>OBJETIVOS</b>			
Entendimento sobre adesão celular e de doenças relacionadas com proteínas de contato célula-célula			
<b>CONTEÚDO PROGRAMÁTICO</b>			
<p><b>13/12/2016:</b> <i>Epithelial polarity</i></p> <p>The Ussing model, polarity of Na/K-ATPase. Polarity signals. Polarity mechanisms, direct and indirect delivery, RAFTs, transcytosis. Cytoskeleton roles in polarization: anchors and highways. Sorting organelles and trafficking machinery. Ambiental cues that determine polarity, the formation of the apical-basal axis.</p> <p><b>14/12/2016:</b> <i>Epithelial adhesion</i></p> <p>Celular junctions structure and functions. Evolutionary origin of cell adhesion molecules: cadherins, claudins. The relationship between tight junctions and polarity. New functions of tight junctions proteins.</p> <p><b>15/12/2016:</b> <i>Pathologies of epithelial adhesion</i></p> <p>Familial hypomagnesaemia and hypercalciuria with nephrocalcinosis and claudins. ZO-2 and cholestasis. Desmosomes and pemphigus. Hipertension and claudin-2. Cancer and <math>\beta</math>-catenin.</p> <p><i>Review of central concepts on epithelial adhesion and polarity</i></p>			
<b>CRITÉRIOS DE AVALIAÇÃO</b>			

Avaliação será feita a partir da participação de cada aluno na aula e através da presença.

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