

تعبئة الإهتمامات البحثية (نموذج رقم 1)

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<p>DNA repair mechanisms that maintain the integrity of genomic DNA are important in preventing carcinogenesis and its progression. The major focus of our laboratory is to understand how genetic alterations in DNA repair genes, including genes that function in base excision repair (BER), transcription-coupled DNA repair (TCR), and translesion DNA synthesis impact cancer risk and treatment. We utilize Molecular biology and genomic approach directed towards understanding the role of single nucleotide polymorphisms (SNPs), gene expression, and epigenetic regulation of DNA repair genes in the disease processes. We are also utilizing the same techniques to look at other cancer-causing genetic pathways</p>			الإهتمامات البحثية Research interests (~100 words)
<p>Epigenetic regulation of base excision DNA repair genes Mismatch DNA repair genes polymorphism in Saudi patients with colorectal disease</p>			المواضيع المقترحة للمشاريع البحثية للطلبة الدراسات العليا (الماجستير) Proposed topics for master research projects
<p>Novel Associations between BRCA1 Variants C.181 T>G (Rs28897672) and Ovarian Crisk in Saudi Females MEG3: an Oncogenic Long Non-coding RNA in Different Cancers.</p>			الابحاث المنشورة مع طلبة الدراسات العليا Publishing with post graduate students
<p>عينات samples, مواد و تجهيزات Materials and equipment, تقنيات ضمن خطة البحث Techniques within the research plan</p>			توفر مستلزمات المشروع Availability of project supplies
<p style="text-align: center;">4</p>			العدد المقترح للإشراف على طلبة الدراسات العليا وحسب اللائحة According to the regulations, proposed number of supervised postgraduate students
<p>I confirm that the information given in this form is true, complete and accurate.</p>			إقرار Endorsement