

2019 MVTPC Showcase:  
Medical Bioscience Judging Form

KNOWLEDGE ACHIEVED				Individual Judge's Score
<p><b>Superior 10 – 9 points</b></p> <ul style="list-style-type: none"> <li>Outstanding use and understanding of terms and principles</li> <li>Project far exceeds grade level understanding and depth of knowledge</li> <li>Extensive literature search and source/literature citations</li> <li>Supplements answers with additional relevant information</li> </ul>	<p><b>Excellent 8 – 6 points</b></p> <ul style="list-style-type: none"> <li>Great use and understanding of terms and principles</li> <li>Project exceeds grade level understanding and depth of knowledge</li> <li>Additional literature search and source/literature citations</li> <li>Supplements answers with relevant information</li> </ul>	<p><b>Good 5 – 3points</b></p> <ul style="list-style-type: none"> <li>Good use and understanding of terms and principles</li> <li>Project meets grade level understanding and depth of knowledge</li> <li>Minimal literature search and source/literature citations</li> <li>Minor supplementation of answers with relevant information</li> </ul>	<p><b>No Evidence 2 – 1 points</b></p> <ul style="list-style-type: none"> <li>Substandard use and understanding of terms and principles</li> <li>Project does not meet grade level understanding and knowledge</li> <li>Little to no literature search and sourcing literature citations</li> <li>No supplementation of answers</li> </ul>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10
USES OF SCIENTIFIC METHOD				
<p><b>Superior 10 – 9 points</b></p> <ul style="list-style-type: none"> <li><b>Question</b> clearly focuses on the scientific problem</li> <li><b>Hypothesis</b> clearly states an educated guess</li> <li><b>Procedure</b> clearly define the steps involved in the experiment</li> <li><b>Data Analysis</b> summarizes several trials/samples and presents data in tables, graphs, etc.</li> <li><b>Conclusion</b> is detailed and represented by a summary of the data</li> </ul>	<p><b>Excellent 8 – 6 points</b></p> <ul style="list-style-type: none"> <li><b>Question</b> identifies the scientific problem</li> <li><b>Hypothesis</b> states a guess with some backup info</li> <li><b>Procedure</b> needs some explanation of steps involved in the experiment</li> <li><b>Data Analysis</b> summarizes one or two trials/samples and presents some graphic forms</li> <li><b>Conclusion</b> is somewhat detailed and represented by a summary of the data</li> </ul>	<p><b>Good 5 – 3 points</b></p> <ul style="list-style-type: none"> <li><b>Question</b> identifies the scientific problem</li> <li><b>Hypothesis</b> states a guess without substantiation</li> <li><b>Procedure</b> defines the steps involved with gaps</li> <li><b>Data Analysis</b> summarizes one trials/sample and presents data in only a few types of graphic form</li> <li><b>Conclusion</b> is provided with some reference to the data and hypothesis</li> </ul>	<p><b>No Evidence 2 – 1 points</b></p> <ul style="list-style-type: none"> <li><b>Question</b> identifies no scientific problem</li> <li><b>Hypothesis</b> is missing</li> <li><b>Procedure</b> defines the steps involved with many gaps</li> <li><b>Data Analysis</b> summarizes data with no graphic representation</li> <li><b>Conclusion:</b> No conclusion was apparent OR important details were overlooked.</li> </ul>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10
CLARITY OF EXPRESSION				
<p><b>Superior 10 – 9 points</b></p> <ul style="list-style-type: none"> <li><b>Lab Journal/ data record book</b> clearly shows experimental procedures, materials used, and shows the data</li> <li><b>Visual Display:</b> Includes title, abstract, Hypothesis, Material List, Procedure, Data Analysis and Conclusion</li> <li><b>Oral Presentation:</b> Uses the scientific method to present experiment; questions answered correctly &amp; clearly, &amp; shows good eye contact</li> </ul>	<p><b>Excellent 8 – 6 points</b></p> <ul style="list-style-type: none"> <li><b>Lab Journal/ data record book</b> shows experimental procedures, materials used, and shows the data</li> <li><b>Visual Display:</b> Is missing one of the important aspects from the superior rating</li> <li><b>Oral Presentation:</b> Uses the scientific method to present experiment; questions answered correctly and clearly and eye contact minimal</li> </ul>	<p><b>Good 5 – 3 points</b></p> <ul style="list-style-type: none"> <li><b>Lab Journal/ data record book</b> has gaps in experimental procedures, materials used, and shows minimal data</li> <li><b>Visual Display:</b> Is missing two or three of the important aspects from the superior rating</li> <li><b>Oral Presentation:</b> Uses the scientific method to present experiment; questions answered with unclear mastery of the subject, little eye contact</li> </ul>	<p><b>No Evidence 2 – 1 points</b></p> <ul style="list-style-type: none"> <li><b>Lab Journal/ data record book</b> little evidence of experimental procedures, materials used, and data</li> <li><b>Visual Display:</b> Is missing many of the important aspects from the superior rating</li> <li><b>Oral Presentation:</b> Little evidence of scientific method, questions unanswered, eye contact minimal</li> </ul>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10

**MORE CRITERIA OVER**

ORIGINALITY, CREATIVITY				Individual Judge's Score
<b>Superior 10 – 9 points</b> <ul style="list-style-type: none"> <li>• New idea, concept, principle, hypothesis, or insight</li> <li>• Novel association or relationship of previous discoveries or knowledge</li> <li>• Rigorous and exhaustive analyses of extensive or robust data or results that reveal previously unknown relations</li> <li>• Inquiry or design based experiment rather than a summary of knowledge</li> <li>• Relates to the scientific community or business</li> </ul>	<b>Excellent 8 – 6 points</b> <ul style="list-style-type: none"> <li>• Different idea, concept, principle, hypothesis, insight or approach</li> <li>• Conventional association or relationship of previous discoveries</li> <li>• Routine analyses of data or results previously known</li> <li>• Some inquiry or design based experimentation used but relies on summary of previous knowledge</li> <li>• Somewhat related to the scientific/business community</li> </ul>	<b>Good 5 – 3points</b> <ul style="list-style-type: none"> <li>• Ordinary idea, concept, principle, hypothesis, insight or approach</li> <li>• Familiar association or relationship of previous discoveries</li> <li>• Routine analyses of data or results that previously known</li> <li>• Slight inquiry or design based experimentation used but relies on summary of previous knowledge</li> <li>• Little relationship to the scientific/business community</li> </ul>	<b>No Evidence 2 – 1 points</b> <ul style="list-style-type: none"> <li>• Non-novel idea, concept, principle, hypothesis, insight or approach</li> <li>• No association or relationship of previous discoveries</li> <li>• No analyses of data or results that previously known</li> <li>• No inquiry or design based experimentation used but relies on summary of previous knowledge</li> <li>• No relationship to the scientific/business community</li> </ul>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10
TEAMWORK				
<b>Superior 10 – 9 points</b> <ul style="list-style-type: none"> <li>• Partnerships were exemplary, clearly demonstrating an <u>assortment</u> of project partners/ business or industry advisors</li> <li>• Complete team work explained and demonstrated by project evaluation and team members answers to judges questions</li> </ul>	<b>Excellent 8 – 6 points</b> <ul style="list-style-type: none"> <li>• Partnerships were <u>evident</u>, clearly demonstrating project partners/business or industry advisors</li> <li>• <u>Adequate</u> teamwork explained and demonstrated by project evaluation and answers to judges questions</li> </ul>	<b>Good 5 – 3 points</b> <ul style="list-style-type: none"> <li>• Partnerships were evident, demonstrating <u>limited</u> project partners/business or industry advisors</li> <li>• <u>Weak</u> teamwork explained and demonstrated by project evaluation and answers to judges questions</li> </ul>	<b>No Evidence 2 – 1 points</b> <ul style="list-style-type: none"> <li>• Partnerships were <u>not evident</u>, with no instances of project partners or business/industry advisors</li> <li>• <u>No demonstration and explanation</u> of teamwork between team members</li> </ul>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10
<b>PROJECT SCORE (5 -50 POINTS)</b>				
<b>SUMMARY SCORE (1 - 5 POINTS)</b>				
<b>TOTAL OVERALL SCORE</b>				

Comments from judge (optional):