

2025 MVTPC Showcase

Medical Bioscience Judging Form

USES OF SCIENTIFIC METHOD				Individual Judge's Score
Superior 10 – 9 points <ul style="list-style-type: none"> Question clearly focuses on the scientific problem Hypothesis clearly states an educated guess Procedure clearly define the steps involved in the experiment Data Analysis summarizes several trials/samples and presents data in tables, graphs, etc. Conclusion is detailed and represented by a summary of the data 	Excellent 8 – 6 points <ul style="list-style-type: none"> Question identifies the scientific problem Hypothesis states a guess with some backup info Procedure needs some explanation of steps involved in the experiment Data Analysis summarizes one or two trials/samples and presents some graphic forms Conclusion is somewhat detailed and represented by a summary of the data 	Good 5 – 3 points <ul style="list-style-type: none"> Question identifies the scientific problem Hypothesis states a guess without substantiation Procedure defines the steps involved with gaps Data Analysis summarizes one trials/sample and presents data in only a few types of graphic form Conclusion is provided with some reference to the data and hypothesis 	No Evidence 2 – 1 points <ul style="list-style-type: none"> Question identifies no scientific problem Hypothesis is missing Procedure defines the steps involved with many gaps Data Analysis summarizes data with no graphic representation Conclusion: No conclusion was apparent OR important details were overlooked. 	<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
SCIENTIFIC PAPER				
Please enter score from "Medical Bioscience Scientific Paper Grading Rubric" Note: will be a decimal value between 1.0 and 10.0 points.				
DEMONSTRATION OF KNOWLEDGE ACHIEVED				
Superior 10 – 9 points <ul style="list-style-type: none"> Outstanding use and understanding of terms and principles Project far exceeds grade level understanding and depth of knowledge Extensive literature search and source/literature citations Supplements answers with additional relevant information 	Excellent 8 – 6 points <ul style="list-style-type: none"> Great use and understanding of terms and principles Project exceeds grade level understanding and depth of knowledge Additional literature search and source/literature citations Supplements answers with relevant information 	Good 5 – 3 points <ul style="list-style-type: none"> Good use and understanding of terms and principles Project meets grade level understanding and depth of knowledge Minimal literature search and source/literature citations Minor supplementation of answers with relevant information 	No Evidence 2 – 1 points <ul style="list-style-type: none"> Substandard use and understanding of terms and principles Project does not meet grade level understanding and knowledge Little to no literature search and sourcing literature citations No supplementation of answers 	<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
PROFESSIONAL & TEAM RELATIONSHIPS				
Superior 10 – 9 points <ul style="list-style-type: none"> Partnerships were exemplary, clearly demonstrating a multitude of project partners/ business or industry advisors Complete team work explained and demonstrated by project evaluation 	Excellent 8 – 6 points <ul style="list-style-type: none"> Partnerships were evident, clearly demonstrating project partners/business or industry advisors Adequate teamwork explained and demonstrated by project evaluation 	Good 5 – 3 points <ul style="list-style-type: none"> Partnerships were evident, demonstrating limited project partners/business or industry advisors Weak teamwork explained and demonstrated by project evaluation 	No Evidence 2 – 1 points <ul style="list-style-type: none"> Partnerships were not evident demonstrating any project partners or business/industry advisors No demonstration and explanation of teamwork between team members 	<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

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PRESENTATION SKILLS				
Superior 10 — 9 points <ul style="list-style-type: none"> Lab Journal/ data record book clearly shows experimental procedures, materials used, and shows the data Visual Display: Includes title, abstract, Hypothesis, Material List, Procedure, Data Analysis and Conclusion Oral Presentation: Uses the scientific method to present experiment; questions answered correctly and clearly, and shows good eye contact 	Excellent 8 — 6 points <ul style="list-style-type: none"> Lab Journal/ data record book shows experimental procedures, materials used, and shows the data Visual Display: Is missing one of the important aspects from the superior rating Oral Presentation: Uses the scientific method to present experiment; questions answered correctly and clearly and eye contact minimal 	Good 5 — 3 points <ul style="list-style-type: none"> Lab Journal/ data record book has gaps in experimental procedures, materials used, and shows minimal data Visual Display: Is missing two or three of the important aspects from the superior rating Oral Presentation: Uses the scientific method to present experiment; questions answered with unclear mastery of the subject, little eye contact 	No Evidence 2 — 1 points <ul style="list-style-type: none"> Lab Journal/ data record book little evidence of experimental procedures, materials used, and data Visual Display: Is missing many of the important aspects from the superior rating Oral Presentation: Little evidence of scientific method, questions unanswered, eye contact minimal 	<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
TOTAL OVERALL SCORE				

OPTIONAL COMMENTS FROM JUDGES FOR STUDENTS:
