



2021 Medical Student Research Day July 16, 2021

Program Schedule

MSRD has been organized into two concurrent sessions and student presentations will be reviewed by a panel of judges. Student presentations will occur in person at the designated time and session in year 1 and 2 lecture halls, and will run for 10 minutes each, followed by a 4 minute question and answer session

Zoom links have been provided if you wish to attend virtually and may enter at any time. Please click on the link found in each session for immediate access. You can switch to another session by leaving the meeting and clicking on the other link.

The “**Welcome and Final Remarks**”, and the “**Keynote Address**” will occur in year 1 lecture hall (Room 160) and are accessible through the Concurrent Session #1 link at the designated time.

Welcome Remarks

8:00 - 8:20 AM

Mr. John Hummer, MHA
Dr. Bill Pieratt, CAO and Dean, Burrell College
Dr. Joseph Benoit, Assistant Dean for Research
Dr. Steven J. Ontiveros, Director of Student Research

Concurrent Session #1

[Click this link to attend Concurrent Session #1](#)

Year 1 Lecture Hall (Room 160)

SEQUENCE	TIME	ABSTRACT NUMBER	PRESENTATION TITLE
1	8:30 AM	101S	TRANSCUTANEOUS AURICULAR VAGUS NERVE STIMULATION INDUCES PANCREATIC INSULIN RELEASE
2	8:45 AM	102S	COMPARING COVID-19 SURVIVORS' NEUTROPHIL EXTRACELLULAR TRAPS AND ASSOCIATED DISEASE SEVERITY
3	9:00 AM	103S	EFFECTS OF HYPOXIA ON BLOOD PRESSURE AND SKELETAL MUSCLE OXYGENATION DURING INCREMENTAL EXERCISE
4	9:15 AM	104S	THE DOSE DEPENDENT EFFECTS OF CANNABIDIOL ON NEUTROPHIL EXTRACELLULAR TRAP (NET) FORMATION
5	9:30 AM	105S	TRANSCRIPTION FACTORS IN MDA-MB-231BR (BRAIN-SEEKING) BREAST CANCER CELL LINE OF KERATIN 18 GENE

Break	9:45 - 10:15 AM	Group Photo – Burrell entrance water fountain	
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SEQUENCE	TIME	ABSTRACT NUMBER	PRESENTATION TITLE
6	10:15 AM	106S	OLEOCANTHAL AND OLIVE OIL MAY HAVE AN ANTI-INFLAMMATORY EFFECT VIA DECREASED NETOSIS
7	10:30 AM	107S	OPTIMIZING REVERSE-TRANSCRIPTION LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (RT-LAMP) ASSAY FOR IMPROVED DETECTION AND DIFFERENTIATION OF WEST NILE AND ZIKA VIRUS IN BODILY FLUIDS
8	10:45 AM	108S	ANALYZING THE EFFECTS OF MODERATE HYPEROXIA ON CARDIOVASCULAR PARAMETERS DURING INCREMENTAL EXERCISE
9	11:00 AM	109S	QUALITATIVE ANALYSIS OF CADAVER FLUID VIA GC-MS
10	11:15 AM	110	FLUORESCENCE DETECTION OF FLAVIVIRUSES USING SHERLOCK CRISPR/Cas13a

Break	11:30 - 11:45 PM
Keynote	11:45 - 12:45 PM
Lunch	12:45 - 1:45 PM

Final Remarks	1:45 - 2:00 PM
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Concurrent Session #2
[Click this link to attend Concurrent Session #2](#)

Year 2 Lecture Hall (Room 158)

SEQUENCE	TIME	ABSTRACT NUMBER	PRESENTATION TITLE
1	8:30 AM	201S	BARRIERS TO PURSUING CAREERS IN MEDICINE ENCOUNTERED BY STUDENTS FROM RACIAL AND ETHNIC MINORITIES: A CASE STUDY AT BURRELL COLLEGE OF OSTEOPATHIC MEDICINE
2	8:45 AM	202S	BUILDING 3D INTERACTIVE E-LEARNING CONTENT USING ANATOMICAL PHOTOGRAMMETRY
3	9:00 AM	203S	THE BARORECEPTOR-HEART RATE REFLEX RESPONSE DOES NOT CORRELATE WITH THE BLOOD PRESSURE REGULATORY FUNCTION OF THE BARORECEPTOR REFLEX
4	9:15 AM	204S	SOCIOECONOMIC STATUS AS A BARRIER TO MEDICAL SCHOOL APPLICATION, INTERVIEWS AND ADMISSIONS
5	9:30 AM	205S	QUANTIFICATION OF PALPATORY FORCES EXERTED DURING ABDOMINAL EXAMINATION OF GENERALLY HEALTHY SUBJECTS BY PRACTICING PHYSICIANS

SEQUENCE	TIME	ABSTRACT NUMBER	PRESENTATION TITLE
6	10:15 AM	206S	THE OSTEOPATHIC SPLENIC PUMP TECHNIQUE MODULATES IMMUNE FUNCTION POTENTIALLY THROUGH TRANSLOCATION OF IMMUNE CELLS FROM THE SPLEEN TO THE SYSTEMIC CIRCULATION
7	10:30 AM	207S	REAL-TIME MONITORING OF STERNOCLEIDOMASTOID WHILE PERFORMING MUSCLE ENERGY TECHNIQUE IN GENERALLY HEALTHY SUBJECTS
8	10:45 AM	208	COMPARING THE SURGICAL OUTCOMES OF CARPAL TUNNEL RELEASE COMPARING DIABETIC AND NON-DIABETIC POPULATIONS WITH AND WITHOUT DIABETIC NEUROPATHY
9	11:00 AM	209	DEVELOPMENT OF STEVENS-JOHNSON SYNDROME IN A PATIENT OF COLOR
10	11:15 AM		