

# The 17<sup>th</sup> Annual Student Scholarship and Creative Endeavors Day

April 19, 2022

(UV fRN\_iÝÜ ab OR[a`i\_R]\_R`R[aV[TÖÚ OVSR\_R[a N\_RN '\S`ab Of; N\_R] N\_aVPV] NAV[TV[aUR ×Õ××"PU\YN\_` Nf NPaVc\AVR` ¤, \[T\_Nab YNAV[` a\ aUR`R`ab OR[a`PU\YN\_` 'S\\_NY\SaURV\_NPP\Z] YV UZ R[a`i N[OZ N[f aUN[X`a\ aURV\_ר 'SNPb Yaf`] \[`\\_` ¤ V[PR aUR V[PR] aVX[ `\SaUV 'RcR[a ÖÛ fRN\_` NT\iÖÖ×Ö` ab OR[a` UNcR` UN\_RO aURV\_` PU\YN\_Yf NPP\Z] YV UZ R[a` d VaU aUR! \\_NcW[`) [VcR\_` Vaf 'P\Z Z b[Vaf ¤

## The 17<sup>th</sup> Annual Moravian University Undergraduate Student Scholarship and Creative Endeavors Day April 19, 2022



## Schedule of Events

ÖÖfÕÕNℤ ¤ Welcome and Opening Remarks

ÖÖHŐÖNZ ¤¶ÖÖHÚÚNZ ¤ Session I: Oral Presentations

Ö×ĐÕO ¼ 🖈 ÖĐÕO ¼ 🗷 Student Poster Presentations I

Ö×£ÚÚ] 丞 ¤¶Ö£ÙÚ] 丞 ¤ Session II: Oral Presentations

 $\times f\tilde{\mathbb{D}}\tilde{\mathbb{O}}$ ]  $\not \mathbb{Z}$   $\not \cong \P \times f\tilde{\mathbb{D}}\tilde{\mathbb{U}}$ ]  $\not \mathbb{Z}$   $\not \cong$  Session III: Oral Presentations

Ø£ØÚ] ₹ ¤¶Ù£ÖÕ] ₹ ¤ Session III: Oral Presentations

ÙĐÕʾ] 록 ¤¶'ÚĐÕʾ] 록 ¤ Student Poster Presentations II

4:00 p.m. Reception (all welcome), PPHAC ATRIUM

## Acknowledgements

The 17<sup>th</sup> Annual Moravian University Undergraduate Student Scholarship and Creative Endeavors Day would not have

### The 17<sup>th</sup> Annual Moravian University Undergraduate Student Scholarship and Creative Endeavors Day

### **SESSION I**

#\_MY\$\_R`R[aNaNx[` 'R``VX['14E! \OR\_Na\\_'\Y`\_¤'UN[X fl) "') ", "&\\Z

ÖÖÐÕÕ°!	ŽNYRVTU"+ ROR <sub>. j</sub> . & NPURYŽRYYF; † R``VPN ! N[[;" NZ N[aUN" VYYVZ N[	']RRPUŽN[TbNTR \$NaU\Y\Tf	`_`¤!\[\PN'ŽN[\VVZNaaNZ N[Q'ž\bVR'ŽRRTN[
ÖÖ£xÕ"!	°[aU\[f~V\]\\	"WNTf	<u>*</u> #\`U'ž\_C
ÖÖÐÌÕ¨!	ı Z Wf " NbW[\	. URZ Va <u>f</u> N[ Q''' W.W.Tf	`_`¤' aR] UR[ ~ b[ UNZ `N[ C

## **SESSION II**

#\_MY\$\_R`R[aNaN\[` 'R``\|['kk£!\\QR\_Na\\_`\Y`\_¤'PUZ\\Qa fl) "') ", '&\\Z

## SESSION III

#_MY\$_R`R[aNaNX[` 'R``W.['\\\L'\Y`_¤'UN[X					
×£ÕÕ;\$! fiN_V\[Ž\PU	f1) " ') " , '&\\Z ! NaURZ NaVP	_¤" NaUN[ " UN[ X			
×fxÕ;\$! ~ RYN[VR;_NOa_RR	"W\Tf	`_¤N_N!P,YRYYN[C			
×£ÙŌ`\$! ı Od N_Q.Ž_RWN	*_a	° [ TRYNY_MRVTU			

## **SESSION IV**

#_NY\$_R`R[aNaN\[` 'R``W.['Ł*£!\OR_Na\_'¥`_¤'PUZ\Oa \$\$f1°, 'ÖÖÖ				
Ø£ØÚ*\$!	&\`R'! VPURaaV	! b`\P	*_¤flWOR*" V[S\_C	
ØÆÚÚ <sup>*</sup> \$!	(fYR_; YRZ R[aR	flVa\_f	ઁ_¤fTRWXVžRZ]N	

## POSTER SESSION I

Öx£ÕÕ¥Ö£ÕÕ\$! \$\`aR\_`\$\_R`R[aNaW.[``E fl) "`fiNMR\_f

'abQR[a`		° OcV \_
/NOW[N'\$\]\YM	″ W.Y.Tf	ˇ_¤¦\`U'ž\_Q
'NZN[aUN/WPXV[TR_	"W\Tf	~_¤\\`U'ž\_Q
* N[ VRYR*fIN[ ` \ [	\$U\ <b>X</b> \T\] Uf	*_¤,N_\Y!\RYYR_
ı YkgNfi_VT`Of	" W.Y.Tf	<u>¯</u> ¤ŽN <u>N</u> !\`\c`Xf

, UN\_Y\aaR^&RVQ

″ X / <u>·</u> /

! NUbZ " NcRRQ;iZ Wf" UV[TN_N;†R[[V\$R_žRTbVgNZ \[; žNb_N'&\OR_a`;! NaURd i_\U	\$bOWPfIRMaU	"_¤;\YYRR["\$Nfa\[
'N_NU'fi_\``;"UN[[\[ŽRZZR_R;'''_\\XR!PIYZ\fYR; °[aU\[f!\`YRf;;U_VaW['''b_QN	\$bOWPf1RN⁄aU	`_¤;\YYRR['\$NFa\[
"VPU\YN`" abYO;%RYfPVáNR`žV[O`Nf;`i_VPN'ŽYR]]V[TR.; "_VaaN[f" PUYRVPUR_	\$bOWPfIRMaU	*_¤;\YYRR['\$NFa\[
łbWN[NfINQQNQ	\$Uf`\P	`_¤ŽRYYFŽ_ <b>\</b> ROYR
° Yf N'+ RggN	″ W.Y.Tf	_¤" NaN UN:+ \\Q
°cR_f Ž\_[R_	″ W.Y.Tf	_¤, V9/\ NN.+ // O.
ı Z VYf‴ b\[\P\_R	″ W.W.Tf	_¤" NaN UN'+ \\O

## Student Oral Prese

Title: An Exploration of Factors that Support or Hinder Speech Reading and Speech

'abQR[a`£

° QcV \\_£

ž\PNaW[£ Ö£ØÕ\*\$! ¥ Ö£ÙÚ∵\$!

Student Oral Presentations III

Title: Perspective - An Art Experience

'abOR[a`£ | Od N\_Q'Ž\_RWN

'OcV\\_£ | "[TRYN/\_NYRVTU

ž\PN\()", "&\\Z

 $\times \hat{\mathbb{L}}\tilde{\mathbb{O}}$  \$! \(\frac{1}{2}\times \text{\hat{L}}\tilde{\U}'\\$!

### Student Oral Presentations IV HUB Amrhein Room

3:35 – 4:10 PM

Moderator: Dr. Schmidt

Title: Moravian Music: Creating Performance Editions from the Archives

Title: Was the French Revolution a Religious Revolution? Maximilien Robespieq sign c

Do Selenium Antioxidants Affect the Mechanism of Bacterial-induced Macrophage Title:

Death?

'abOR[a`£ | Y\fontsize \text{In the control of the

 $\label{thm:covided} \begin{tabular}{lll} Title: & Face Mask Observation at Moravian University During the COVID-19 Pandemic, 2021 \\ $'abQR[a]E & "VP\RaaN_N]N_N_N_N N_N_N N_N_N N_N_N N_N_N N_N_N N_N N$ 

Title: Evaluation of a Student-led COVID-19 Social Media Campaign Across 31 Universities in

the United States in 2021

'abQR[a`£ ıZ Wf`\$\_R[QRcWYR;"NZ N[aUN'&\Q\_VTbRg

Title:	A Health Needs Assessment and Logic Model Framework to Address CO tharame

Title: Do Grasses Promote Shrub Expansion into Grasslands on Barrier Islands?

'abQR[a`£ "YfN'+ RggN "QcV\\_£ "\_#"NaN UN'+\\Q` ž\PNaN\[£ \$\$fl", "a\_VbZ

 $\label{thm:constraint} \begin{tabular}{ll} Title: & The Fungi of Camaquiri and Their Importance \\ $'abQR[a]E & $\[[\] \] NZ \]NZ \\ $'QcV \]E & $'a"N[VRY$\_bQ \\ $'Z\]PNAM[E & $$fl", "a_bDZ \\ \end{tabular}$ 

Title: Past and Present Species Distribution Models for Vonones sayi and Vonones ornatus

'abQR[a`f 'NZ ~\R`

ž\PNaV\[£ \$\$fl°, °a\_VbZ

Title: Disappearing Act: Crops May Not Grow In Coastal Farms Due To Sea Level Rise

Title: Synthesis and Characterization of Dirhodium Compounds with Folic, Butyric, and

Carbohydrate Acids

ž\P\\\a\X[£ \$\$fl°, °a\_\\bZ

## Undergraduate Student Conference Pres

## =PRDA COADAA

#### Mikayla Dennis¤

#\$\`aR\_\$\_R`R[aNaN\['aUR'''RaN'''RaN'''RaN'''V\Y\Tf

#### Mikayla Dennis¤

\(\times\) aR\_\$\_R\R[a\\\] \(\times\) \[\times\] \(\times\) \(\time

) [ OR\_T\_NObNaR'&R' RN\_PU;" ] \_W ×Õ××; '\* V\_abNY¤ / NPbYaf " OcV \\_£` \_¤, RPWW/\e

#### Mikayla Dennis¤

"#\_NY\$\_R`R[aNaW.[ Na'aUR'ž RUVTU'\* NYMRf' \ PVRaf 'S\\_

#### Zachary Filliben.

#\_NY\$\_R`R[aNaN [ Na'aUR'ž RUVTU'\* NYMRf"\PVRaf"S\\_"" Rb\_\`PVR[PR

 $\begin{tabular}{ll} $$ $$ \Lie & \Bar{B}(BR) RWVW & \Bar{B}(BR) AV & \Bar{B}(BR) &$ 

#### Damian Wasieczko.

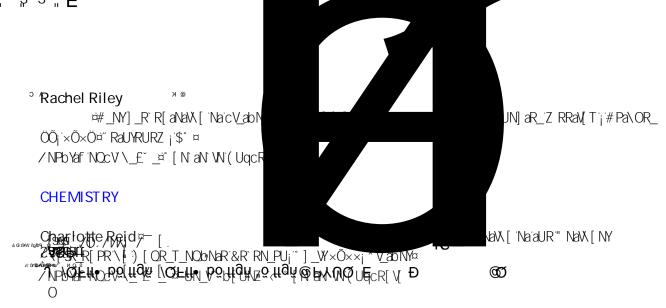
<u>\$\$\\``abr\_`\$\$\_FX[Rk;aNbWa[\* NbW</u>aUR " NbW [ NY, \ [ 5r\_r[ PR`\ [ ') [ Or\_t\_NObNaR'&R` RN\_PU;

\*]**RWW** 

/NPbYaf "OcV\\_ffb\_¤¤RRPMWVVe\e

Œ₽.

Damian Wassieezzkoo.



#### COMPUTER SCIENCE

### **MORAVI**

```
xi$ R`R[aNaNX [ Na'ÖÚaU ! \ NcW[ ') [ OR T NObNaR ', \ [ SR R[ PR'V]
Sabrina Moody¤
! ROVRCNYN[Q:1 N_Yf:] \QR_[ " abQVR`; " RPRZ OR_: ×Õ×Ö¤
/NPbYaf NOcV\_£`_¤'N[Of'"N_O`YRf
Bard Bardelli and Nicholas Bergsma¤
                                                       x$ R`R[aNaN\[ Na'ÖÚaU'! \ Nc\N[
) [ OR T NObNAR', \ [ SR R[ PR'V] ! RQVRcNYN[ Q'i N Yf'! \ OR [ " abQVR'; " RPRZ OR " x Õ x Ö ¤
/NPbYaf NOcV\_£`_¤N[Of'"N_O`YRf
PSYCHOLOGY
Kiana Faroun and Rose Marie Long¤
                                         #$ R`R[aNaNX | Na'aUR' I N'aR_[ '$`fPU\Y\TVPNY' ``\PVNaNX [
,\[$R_R[PRi! N_PU`xÕxxi" - i" -¤
/NPbYaf "OcV\ £" # VPURYYR" PUZ VOa
Kaitlin Kridlo.
                                 \"aR_]_R`R[aNaNV[ Na'aUR" NaNV[ NY, \[ SR_R[ PR'\[
) [ OR T NObNaR'&R' RN PU; " ] W×Õ××; cV abN/¤
Lauren Kubic.
                              $\`aR_'$_R`R[aNaN\[ Na'```\PVNaN\[ 'S\_'$`fPU\Y\TVPNY' PVR[ PR; ! Nf
×Õ×Ö; cV abNYP\[cR[a\X][x
/NPbYaf NOcV\_£`_¤° YRR[N'fINf
Sean McFarland.
                                                   $\`aR_'$_R`R[aNaN\['Na''``\PVNaN\['S\_
$`fPU\Y\TVPNY'PVR[PR;!Nf`xÕxÖ;cVabNYP\[cR[aX\[¤
/NPbYaf NQcV\_£`_¤° YRR[N'fINf
PUBLIC HEALTH
Liam Romond and Micaela Posh.
            #$\`aR_]_R`R[aNaN,[Na'aUR"\PVRafS\_$bOWPflRNAU'iQbPNaN,['ÜØ_Q'''[[bN/
_\[SR_R[PR;!N_PU`xÕxx;cV_abNY¤
/NPbYaf NOcV\_f`_¤,\YRR[ '$Nfa\[
Felycitie Lindsay.
```

&R`RN\_PU; $^{\circ}$ ]\_ $W\times \tilde{O}\times\times_{i}$ 'cV\_abNY $^{\circ}$ /NPbYaf  $^{\circ}$ NQc $V\setminus E^{\times}$   $\stackrel{!}{=}$  $^{\circ}$ XYRR[ $^{\circ}$ \$NFa $\setminus$ [

#\$\`aR\_]\_R`R[aNaN\[Na'aUR" NaN\[NY, \[SR\_R[PR\[]) [OR\_T\_NObNaR

## Nicholas Stulb and Emily Shingara.

.  $\$  R[ aNaW [ Na aUR  $\times$  Õ $\times \times$ 

### Ther

 $/NPbYafNQcV\setminus_{f_i}NZWMR!b_]Uf$ 

 $/NPbYafNQcV \setminus \underline{f}, NZ WYR! b ] Uf$ 

 $/NPbYafNQcV \setminus \underline{f}, NZ WYR! b ] Uf$ 

 $Anna \ Litofsky. \qquad (\ UR'L[\ a\_\^R\_a"\ ]\ ]\ V'\ N[\ \\_VIV[\ NYZ\ \OWR\ N]\ ]\ WPNaW [\ S\_SJ[\ OV[\ T'S\_VR[\ O\ V]\ P\ WRTR'd \ VaU\ V[\ a\_\cR\_a"\ V[\ Z\ V[\ Ovs\_\WRPa'W[\ XLUaa]\ f'\ d\ d\ d\ v[\ [\ NWa\ S\ Xf\ P^\Z\ 2\ o"\ ]\ \_WY\times O'\ aw$ 

 $/NPbYafNQcV \setminus \underline{f}, NZ WYR! b ] Uf$ 

Camille Stanley. 'XNARO\N Q'O N[ QV] T'N[ Q QR VT[ xº ° ] W × Ö' a»

 $/NPbYafNQcV\setminus_{\underline{f}}NZWR!b_]Uf$ 

## Honors 2021-2022

### Spring 2021-Fall 2021 (Projects completed)

Fall 2021-Spring 2022 (Projects will be compleprint)

/NPbYaf "  $OcV \setminus \underline{f}$   $\underline{r}$  UN\_V b[ UNZ

Rose Michetti

 $\label{thm:cnnbnan_transform} $$ PalcR[R``\S$R`aNPNOR'&RZ \cnn! Rau\Q``)`V[T'\(z'\)b\VQ`_U_\Z Na\T_N]Uf\(x'\)``\\ | RPa_\Z Ra_f$ 

#### Chad Propst

/NPbYaf "  $OcV \setminus \underline{f}$   $\underline{r}$  "  $WV \setminus [f] \setminus WWONf$ 

 $\label{eq:condition} $$ f[aUR \dyn{T.&U\QybZ \ \ \ NRVZ \ VQR\fiybP\^R; \ Z ] YReR`a\`\text{L[P_RN R" \ YbOWWaf Emily Saulino} $$ /NPbYaf``QcV\_£`_\\\ aR] UR[``b[UNZ $$$ 

 $\$  R\_a\R^ \S" \_\\XR\_& ! R\_\PfN[\\[ R\_i'N' \\YfNa\PU\_\Z \P', \Z ] \b[Q Rebecca Skibo \\NPb\\af^ \@ Qc\\\_f^ \_\ \\ N\_Y' \N\aR\_