22nd Annual Student Research and Creative Activities Symposium

Friday, April 26, 2019
Student Wellness Center
With great enthusiasm, we welcome you to the 22nd Annual Research and Creative Activities Symposium (RaCAS)! This year’s event continues our CU Denver tradition by celebrating student research, artistic work, and community-based scholarship at the University of Colorado Denver and Anschutz Medical Campus. Each year, students present their original work to each other and to faculty, staff, family, and community members. RaCAS spotlights the rich and varied scholarly activities of our students across the disciplines and honors the vibrant intellectual life of the university. The name RaCAS invokes the raucous spirit that we hope this event embodies: a boisterous celebration of scholarship and creativity.

We believe that all CU Denver and Anschutz students must develop as scholars in their own right and that research and scholarly pursuits prepare and challenge them to contribute to our knowledge of the world. Many students who present their work are approaching the summit of their academic careers with us. Their RaCAS presentations represent hundreds of hours of work, remarkable commitment to their studies, and a synthesis of all that they have learned. Other presenters are at different points in this journey; they may be first-year students just beginning to explore ideas in depth, or they may be sophomores and juniors in the process of developing the skills and insights that will serve their scholarly work in the future. We are thrilled to have participation from every CU Denver School and College and AMC this year.

The kind of individualized education celebrated at RaCAS would not be possible without the unflagging dedication of faculty advisors. CU Denver and AMC faculty often work one-on-one with students on these scholarly pursuits. In this process, they are both demanding and supportive, guiding research methods, thoughtful interpretations, and effective presentation. Many CU Denver staff members—lab technicians, writing specialists, digital media specialists, librarians, and community-engagement staff—also work closely with our student-scholars. We thank all members of the CU Denver and AMC communities who offer a wide range of skills and expertise that enrich our students’ academic experiences.

We would like to thank Dr. Robert H. Eckel, Professor of Medicine and Interim Vice Chancellor for Research, and Dr. Roderick Nairn, Provost and Executive Vice Chancellor for Academic and Student Affairs, for their continued support of RaCAS. We are especially grateful to Provost Nairn for his championing of our Education through Undergraduate Research and Creative Activities (EURēCA!) programs. We also thank Chancellors Dorothy Horrell and Donald M. Elliman for being generous and devoted supporters of RaCAS, in particular for the awards for outstanding faculty mentors.

We hope you find this year’s RaCAS rewarding and inspiring. Our students’ achievements are many and we join together on this day in celebration of their work, which shows us what is possible, what the future promises, and what the fruits of university learning look like at their best.

Jeff Franklin, PhD
Associate Vice Chancellor
Office of Undergraduate Experiences

Lindsey Hamilton, PhD
Director of Undergraduate Research and Creative Activities
# Research and Creative Activities Symposium

**Lynx Desk: Support for Presenters and Attendees**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:30</td>
<td>Set up Exhibits</td>
<td>Wellness Center Gym</td>
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<tr>
<td>9:00</td>
<td>Poster and Exhibit Presentations</td>
<td>1st Floor Hallway Student Commons</td>
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<tr>
<td>10:00</td>
<td>Lunch</td>
<td>SC 1401</td>
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<tr>
<td>11:00</td>
<td>New UROP Recipients Meeting</td>
<td>SC 1500</td>
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<tr>
<td>12:00</td>
<td>Awards Ceremony</td>
<td>SC 1600</td>
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<td>1:00</td>
<td>Poster and Exhibit Viewing</td>
<td>SC 2500</td>
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<td>Stem</td>
<td>SC 2600</td>
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<tr>
<td>3:00</td>
<td>Biomedical Sciences</td>
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Welcome: Chancellor, Dr. Dorothy A. Horrell

Outstanding Mentor Award: Provost and Executive Vice Chancellor for Academic and Student Affairs, Dr. Roderick Nairn

Student Awards: Assistant Vice Chancellor for Undergraduate Experiences, Dr. Jeff Franklin and and Dr. Lindsey Hamilton, Director of Undergraduate Research and Creative Activities
RaCAS Participants

1. Migeul Brañas
2. Madison Daley
3. Esther Bellinsky
4. Esther Bellinsky
5. Emily Owens
6. Elizabeth Snyder
7. James Hartz Jr
8. Nick Terrero
9. Robin Buchanan
10. Samantha Manion
11. Sharifa Moore
12. Melissa Jacob
13. Livy Snyder
14. Robin James
15. Alexa Steed
16. Alexa Steed
17. Ashley Annan
18. Amy Gillaspie
19. Tammy Nguyen
20. Julianna Mestas
21. Lisette Martinez
22. Danvy Ngo
23. Megan Laures
24. Nammy Truong
25. Brooke Charbonneau
26. Samaria Stovall
27. Monique Silva-Montoya
28. Elizabeth Wynn
29. Brigitte Nguyen
30. Adam Vilanova-Goldstein
31. Molly Burns
32. Kaitlin Englert
33. Kaitlin Chacon
34. Ashley Anaya
35. Safa Mechergui
36. Emily Held
37. Lilian Luquin-Salazar
38. Olivia Couch
39. Anna Weiss
40. Amy Frers
41. Mónica Peniche
42. Diarra Dozier
43. Grant Morales
44. Hailey Smieja
45. Hannah Dusenbury
46. Caitlin Edwards
47. Stephanie Ortega
48. Daniel Raffield
49. Elizabeth Siliato
50. Charles Myers
51. Leah Porter
52. Adnan Syed
53. Madisen Frederick
54. Justin Lawson
55. Susan Kim
56. Lxandra Schlessman
57. Caroline Nelson
58. Daniel Long
59. Jeanna Willson
60. Ball Stephen
61. Daniel Diorio
62. Connor Mattes
63. Zachary Sorenson
64. Dongdong Lu
65. Eric Conklin
66. Shani O’Brien
67. Suneel Raza
68. Jimmy Reed
69. Kaitlin Priharch
70. Kate Fitch
71. Neissrienn Alhubieshi
72. Lauren Hearn
73. Janani,Nagar
74. Max McGrath
75. Murphy, Jessica
76. Nzazi Duki,Pitshou
77. Rotondo,Alex
78. Jamie Longenecker
79. Christopher Taylor
80. Gregory Matesi
81. Joryn Anderson
82. Yiu Lan
83. Tianqi Liu
84. Quichi Shan
85. Xinyi Wang
86. Jiewei Ruan
87. Gongrui Han
88. Jiayun Liu
89. Xinyi Yang
90. Sarah Janssen
91. Allison Marshall
92. Marc Richman
93. Arriaga MacKenzie, Ian
94. John Wiseman
95. Aleezah Balolia
96. Nicolette Moya
97. Jazmyne Davis
98. River Wood
99. Jonté Roberts
100. Hendrick Lopez-Beltran
101. Oniza Chaman
102. Simon Tran
103. Alexander Morales
104. Matthew Manfredo
105. Jada Rae Lister
106. Mackenzie Peckham
107. Betelhem Ashebo
108. Kelsey Bonar
109. Ariana Talia
110. Odalis Castro
111. Dustin Goerlitz
112. Alina Nohr
113. Caitlin Kienzler
114. Daniel Hernandez Altamirano
115. Jennifer Jaime
116. Jennifer Libby
117. Majd Matti
118. Ritesh Kashyap
119. Tanja Kovacevic
120. Vishnusai Kodicherla
121. Dillon Rickertsen
122. Hiraia Sheikh
123. Haven Himmighoefer
124. Elexia Wright
125. Theresa Nguyen
126. Emerald Saldyt
127. Jillian Oviedo
128. Elham Chaabi
129. Timothy Duren
130. Hannah Abroe
131. Debra Szuster
132. Sabita Niroula
133. Cristina Meuret
134. Katherine Ketcham
135. Lamya’a Dawud
136. Ethan Gottleba
137. Uyen Nguyen
138. Joseph Massey
139. Hassan El-Batal
140. Hunter Call
141. Anne Lyons
142. Ansley Tripp
143. Victoria Beresford
144. Rebecca Friend
145. Zongli Wei
146. Baris Aydintug
147. Adam Duster
148. Anh Tran
149. Namoos Siddique
150. Julia Deyanova
151. Katherine Hayes
152. Gabrielle Jones
153. Mikias Negussie
154. John Milner
155. Arvind Srinivasan
156. Cassie Salem
157. Bingshen Lu
158. John Kincaid
159. Kyle Sower
160. Richard Jones
161. Caroline Hildebrand
162. Samrid KC
163. Miranda Costello
164. Arvind Shroff
165. Haylie Helms
166. Andrew Gras
167. Raphael Hatami
168. Vincent Neylon
169. Jacob Trujillo
170. Chelsea Rieu-Torrez
171. Madeline Davies
172. Meredith Venneman
173. Chandler Stark
174. Sara Khait
175. Alaina Carr
176. Bingshen Lu
177. Ira Tandon
178. Julianna Oviedo
179. Adnan Syed
180. Jake Viache
181. Deanna Syed
182. Junior Reina Toc
183. Mais Al-Nima
184. Marcia Maxson
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212. Jacob Trujillo
213. Chelsea Rieu-Torrez
214. Madeline Davies
215. Meredith Venneman
216. Chandler Stark
217. Sara Khait
218. Alaina Carr
219. Julianne Oviedo
220. Michael Pilosov
23rd Annual Student Research and Creative Activities Symposium

SAVE THE DATE

Friday, May 1, 2020
Student Wellness Center