



University of Colorado  
Denver | Anschutz Medical Campus

22nd Annual Student

# Research and Creative Activities Symposium

Friday, April 26, 2019

Student Wellness Center



University of Colorado  
Denver



University of Colorado  
Anschutz Medical Campus

With great enthusiasm, we welcome you to the 22<sup>nd</sup> 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 (EURêCA!) 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

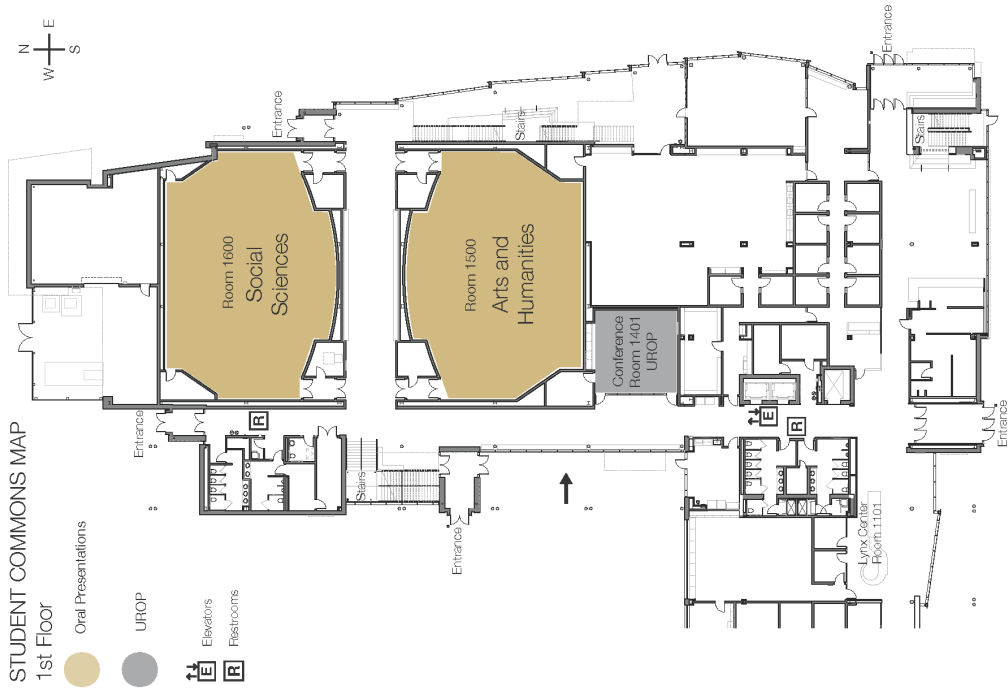


# Research and Creative Activities Symposium

Lynx Desk: Support for Presenters and Attendees

	Wellness Center Gym	1st Floor Hallway Student Commons	SC 1401	SC 1500	SC 1600	SC 2500	SC 2600
8:30	Set up Exhibits						
	Judges' Overview <small>Judges' Corner</small>						
9:00							
10:00	Poster and Exhibit Presentations						
11:00							
		Lunch					
12:00			New UROP Recipients Meeting	Arts and Humanities	Social Sciences	STEM	Biomedical Sciences
1:00	Poster and Exhibit Viewing and Networking; Coffee & Dessert						
2:00	Awards Ceremony						
	Tear Down						
3:00							
	<p>Welcome: Chancellor, Dr. Dorothy A. Horrell</p> <p>Outstanding Mentor Award: Provost and Executive Vice Chancellor for Academic and Student Affairs, Dr. Roderick Nairn</p> <p>Student Awards: Assistant Vice Chancellor for Undergraduate Experiences, Dr. Jeff Franklin and Dr. Lindsey Hamilton, Director of Undergraduate Research and Creative Activities</p>						

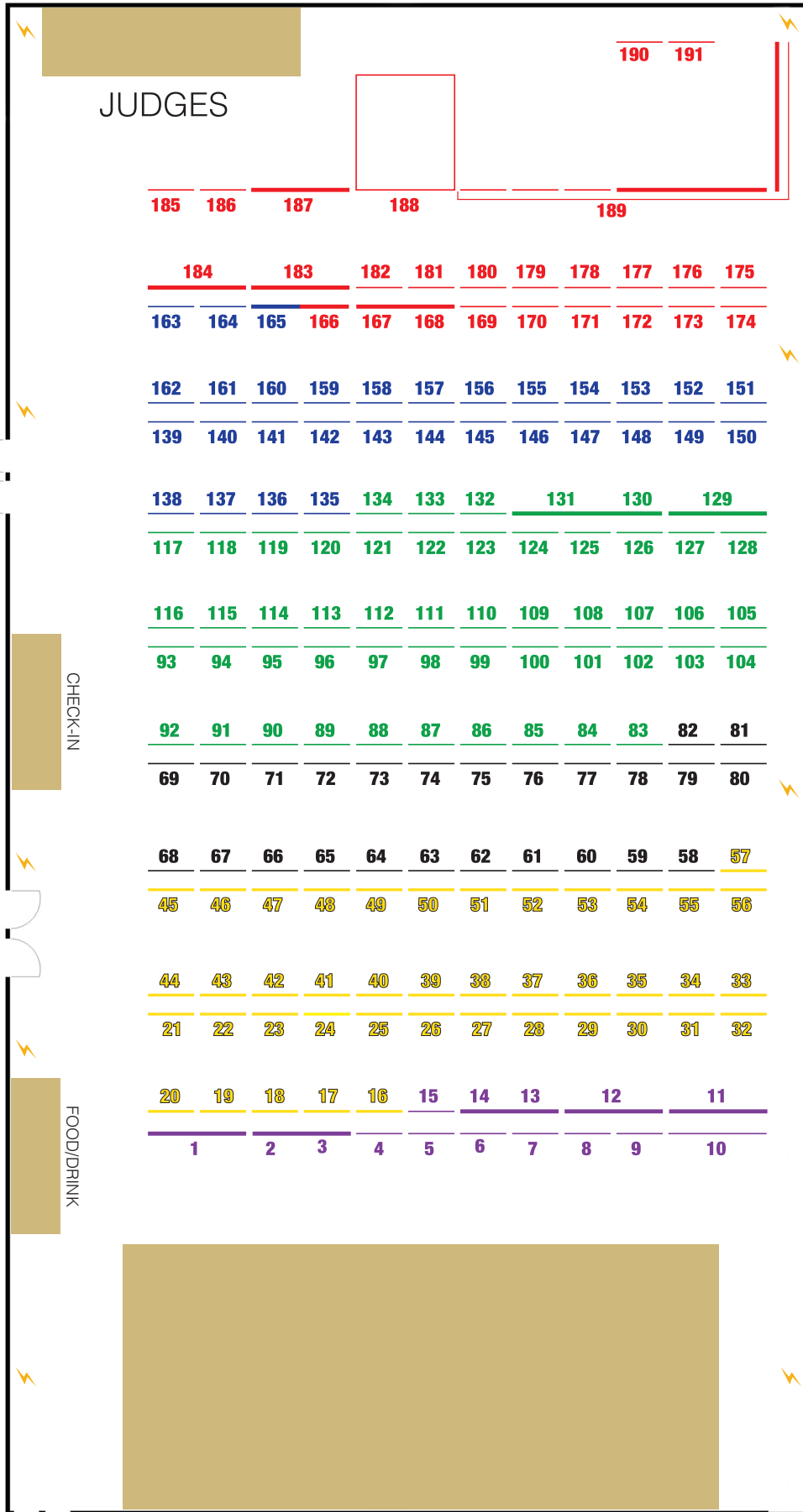
# Student Commons



Speer Blvd

Larimer

# WINDOWS



JUDGES

190 191

185	186	187	188	189								
184	183	182	181	180	179	178	177	176	175			
163	164	165	166	167	168	169	170	171	172	173	174	
162	161	160	159	158	157	156	155	154	153	152	151	
139	140	141	142	143	144	145	146	147	148	149	150	
138	137	136	135	134	133	132	131	130	129			
117	118	119	120	121	122	123	124	125	126	127	128	
116	115	114	113	112	111	110	109	108	107	106	105	
93	94	95	96	97	98	99	100	101	102	103	104	
92	91	90	89	88	87	86	85	84	83	82	81	
69	70	71	72	73	74	75	76	77	78	79	80	
68	67	66	65	64	63	62	61	60	59	58	57	
45	46	47	48	49	50	51	52	53	54	55	56	
44	43	42	41	40	39	38	37	36	35	34	33	
21	22	23	24	25	26	27	28	29	30	31	32	
20	19	18	17	16	15	14	13	12	11			
1	2	3	4	5	6	7	8	9	10			

CHECK-IN

FOOD/DRINK

BLEACHERS

- Arts and Humanities
- Social Sciences
- Data2Policy
- Biomedical Sciences
- Natural Sciences
- Technology, Engineering, Math

- Table
- Poster
- Power Outlet

# Wellness Center

# 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 Dusenbery
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
58. Jeanna Willson
58. Erik Raab
59. Dennis Wright, II
60. Ball Stephen
61. Daniel Diorio
62. Connor Mattes
62. Zachary Sorenson
63. Dongdong Lu
64. Anne Conklin
64. Shani O'Brien
65. Eric Culver
65. Christina Ebben
66. Rebecca Short
66. Sarah Martinez
66. Amel Zediri
67. Leah Wing
68. Emily Nilsen
69. Suneel Raza
69. Jimmy Reed
69. Kaitlin Prichard
70. Kate Fitch
71. Neissrien Alhubieshi
72. Lauren Hearn
73. Janani, Negar
74. Max McGrath
75. Murphy, Jessica
76. Nzazi Duki, Pitshou
77. Rotondo, Alex
78. Jamie Longenecker
78. Christopher Taylor
78. Gregory Matesi
78. Joryn Anderson
79. Yu Lan
79. Tianqi Liu
79. Qiuchi Shan
79. Xinyi Wang
80. Jiewei Ruan
80. Dongrui Han
80. Jiayun Liu
80. Xinyi Yang
81. Sarah Janssen
81. Allison Marshall
81. Marc Richman
82. Arriaga MacKenzie, Jan
83. John Wiseman
84. Aleezah Balolia
85. Nicolette Moya
86. Jazmyne Davis
87. River Wood
88. Jonté Roberts
89. Hendrick Lopez-Beltran
90. Oniza Chaman
91. Simon Tran
92. Alexander Morales
93. Matthew Manfredo
94. Jada Rae Lister
95. Mackenzie Peckham
96. Betelhem Ashebo
97. Kelsey Bonar
98. Ariana Talaie
99. Odalis Castro
100. Dustin Goerlitz
101. Alina Nohr
102. Caitlin Kienzler
103. Daniel Hernandez Altamirano
104. Jennifer Jaime
105. Jennifer Libby
106. Majd Matti
107. Ritesh Kashyap
108. Tanja Kovacevic
109. Vishnusai Kodicherla
110. Dillon Rickertsen
111. Hirah Sheikh
112. Haven Himmighoefer
113. Elexia Wright
114. Theresa Nguyen
115. Emerald Saldyt
116. Jillian Oviedo
117. Elham Chaabi
118. Timothy Duren
119. Hannah Abroe
120. Debra Szuster
121. Sabitra Niroula
122. Cristiana Meuret
123. Katherine Ketcham
124. Lamy'a Dawud
125. Ethan Gottula
126. Uyen Nguyen
129. Joseph Massey
130. Hassan El-Batal
131. Hunter Call
132. Anne Lyons
133. Ansley Tripp
134. Victoria Beresford
135. Rebecca Friend
136. Zongli Wei
137. Baris Aydintug
138. Adam Duster
139. Anh Tran
140. Namoos Siddique
141. Julia Deyanova
142. Katherine Hayes
143. Mikias Negussie
144. Gabrielle Jones
145. Michael Kain
146. Phillip Khong
147. Kilinoelani Montgomery
148. Kyle Turchick
149. Owen Berg
150. Silas Benischek
151. Gessner Soto
152. Zongli Wei
153. Lalitya Andaloori
154. Laurel Sindewald
155. Liam Cullinane
156. Erina Rader
157. Dan Fai Au
158. Gabrielle Rietz
159. Manaal Dalwadi
160. Richard Jones
161. Chase Riedel
162. Angela Geiger
163. Andrew Jesus Andrade
164. Anjelique Morine
165. Hillary Hillam
166. Bingshen Lu
167. Joshua Elsarboukh
168. Matthew Reynolds
169. Hossna Yasini
170. Shamik Bhat
171. Jake Christenson
172. John Milner
173. Bo Lang
174. Samantha Butler
175. Gregory Matesi
176. Matthew Heck
177. John Kincaid
178. Kyle Sower
179. Ryan Scherenberg
180. Bo Shin
181. Caroline Hildebrand
182. Samrid KC
183. Miranda Costello
184. Cassie Salem
185. Allison Marshall
186. Arvind Srinivasan
187. Ritesh Sood
188. Haylie Helms
189. Andrew Gras
190. Raphael Hatami
191. Vincent Neylon
201. Jacob Trujillo
202. Chelsea Rieu-Torrez
203. Madeline Davies
204. Meredith Venneman
205. Chandler Stark
206. Sara Khatib
207. Alaina Carr
208. Ira Tandon
209. Julianna Oviedo
210. Adnan Syed
211. Jake Viache
212. Junior Reina Toc
213. Mais Al-Nima
214. Marcia Maxson
215. Kaitlyn Elliott
216. Sherleen Tran
217. Dmitri LeeNatali
218. McCall Calvert
219. Jordan Hall
220. Michael Pilosov



University of Colorado  
Denver | Anschutz Medical Campus

23rd Annual Student

# Research and Creative Activities Symposium

**SAVE THE DATE**

Friday, May 1, 2020

Student Wellness Center

