

Undergraduate Symposium 2010

Celebrating Research, Creative Endeavor and Service-Learning

University of Wisconsin–Madison
Great Hall, Memorial Union
April 15, 2010

- 9:45 a.m. *Welcome to Student Participants*
Charles T. Snowden, Hilldale Professor
of Psychology
Director, College of Letters and
Science Honors Program
- Noon *Celebrating Undergraduate Education at a
Research University*
Paul M. DeLuca, Jr., Provost and Vice
Chancellor for Academic Affairs

Undergraduate Research Awards Ceremony
Kelli Keclik, Academic Librarian
College Library
- Oral Presentations** See the following pages for exact locations.
10:00–11:30 a.m. Session I
12:30–2:00 p.m. Session II
2:15–3:45 p.m. Session III
- Poster Sessions** See the following pages for exact location.
10:00 a.m.–4:00 p.m. Posters will be on view in Great Hall, Class
of '24, Tripp Commons and Main Lounge.
- Art/ Research Presentations**
12:30 p.m. On view in Langdon Room
- Gallery of Artwork** Main Lounge

Refreshments will be available throughout the day in Tripp Commons.

A Special Thanks!

We would like to thank the faculty and staff for promoting academic and creative excellence and for making the Symposium possible through their roles as mentors and sponsors. We would like to thank the student participants and the many individuals who have helped to organize this symposium. It has been a great team effort.

A special thanks is also extended to Ruthi Duval of The Wisconsin Union; Melissa Tedrowe of the Writing Center; Kent Hamele, Nancy Rinehart, and Linda Kietzer of University Communications; Jeff Crucius of the Division of Information Technology; Patricia Iaccarino at the College Library; and Karen Lederer and Jan Lucchesi of the College of Letters and Science, Student Academic Affairs.

2010 Undergraduate Symposium Organizing Committee

Matt Bobel, Jane Harris Cramer, Maya Holtzman, Noel Howlett (coordinator), Svetlana Karpe, Linda Kietzer, Anthony (AJ) Madsen, Laurie Mayberry, Janice Rice, Julie Stubbs, Beth Tryon, and Randy Wallar.

Cover photos provided by the Office of University Communications.

Undergraduate Symposium 2010

Celebrating Research, Creative Endeavor and Service-Learning

*University of Wisconsin–Madison
April 15, 2010*

The 12th annual Undergraduate Symposium is a celebration of undergraduate students' accomplishments across the many schools and colleges at UW–Madison. The Symposium includes presentations, posters, and displays by groups and individuals representing the arts and humanities, biological sciences, physical sciences, and social sciences. These original works showcase the vast range of talent and creativity within the university's undergraduate population.

Sponsors

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Wisconsin Union
UW–Madison Office of the Provost*

Stewardship

*Center for Biology Education
General Library System
Morgridge Center for Public Service
The Wisconsin Union
Undergraduate Academic Awards Office
Undergraduate Research Scholars Program
Writing Center*

Congratulations!

.....
The Undergraduate Symposium has become *the* premier campuswide event showcasing our students' incredible talents in research and scholarship, creative works, and community involvement. I want to congratulate you on your achievement, and I want to encourage you to explore the accomplishments of your colleagues. Leaf through this program booklet and take a look at others' work presented and displayed throughout the Union today.

We take great pride in what you've done and take every opportunity to brag about you. Former Symposium presenters have gone on to brilliant careers in academia, law, medicine, business, the arts, and the sciences. We look forward to hearing what you accomplish next.

Again, congratulations and enjoy the day!

Aaron M. Brower, Ph.D.
Vice Provost for Teaching and Learning
Professor, School of Social Work
Harold C. Bradley Faculty Fellow

List of Presenters / Location

SESSION I: 10:00–11:30 a.m.

Poster Presentations

[Presenter, poster number]

- Adela, Stieve 292
Alstad, Leah 188
Annunzio, Kaitlin 83
Barbian, Hannah 2
Baumann, Linda 29
Baus, Abbey 95
Beer, Trisha 235
Beres, Kaytlyn 41
Blobner, Dory 29
Bolas, Jack 42
Borchert, Corie 112
Brady, Emma 116
Brzozowski, Lauren 97
Campbell, James 58
Chak Foon, Tso 269
Chou, Raymond 207
Clark, Josef 2
Cohen, Laura 136
Cooper, Idelle 42
Creager, Hannah 138
Crowe, Megan 159
DeCheck, Natalie 90
Donohue, Laura 207
Draves, Garrison 95
Draxler, Janel Vera Cala, Lina 175
Dupont, Caitlin 234
Eginton, Todd 6
Flucus, Chelsea-Leigh 280
Fong, Steven 297
Freitag, Kristi 274
Frey, John 128
Fritz, Heidi 144
Garcia, Santiago 169
Gnas, Aaron 140
Gottung, Brandon 182
Gottwald, Anne 15
Gunderson, Alan 113
Gunnink, Sarah 236
Hahn, Adam 41
Halambeck, Stephanie 259
Halbach, Patrick 152
Hanson, Isaac 195
Hanson, Jenna 252
Haskin, Candice 32
Haughey, Dermot 5
Havas, David 104
Hildebrand, Elicia 33
Hobbins, Mitchell 13
Hong, Lucy 151
Horibata, Sachi 212
Hoxie, Kimberly 291
Hurlebaus, Karli 70
Jason, Carr 296
Jenvey, Julia 104
Jones, Tiffany 204
Joshi, Pinak 281
Kacvinsky, Lauren 191
Kahler, Ashleigh 234
Kamin, Samantha 41
Kang, Jihun 139
Kerstenetzky, Luiza 14
Kinyanjui, Richard 29
Kissinger, Charlotte 285
Kitsis, Robert 42
Klotz, Kelly 178
Knoebel, Erica 32
Koblings, Avery 91
Kopish, Kristin 249
Kotula, Kelly 244
Krol, Katie 104
Krueger, Courtney 199
Kuisle, Meghann 255
Laska, Colin 184
Law, Angwei 100
Leemkuil, Greta 161
Liu, Chengyu 5
Magallanes, Norma 175
Mapes, Abigail 211
Marsh, Alyce 47
Marx, William 11
McMorrow, Chelsea 252
Medda, Rituparna 264
Megna, Jessica 117
Midthun, Sarah 116
Mielke, Anna 216
Miller, Karl 2
Miller, Kyle 70
Miller, Lauren 236
Mills, Kate 234
Monahan, Meghan 117
Moody, Daniela 169
Morton, Holly 170
Murray, Jan 183
Mwangi, Geoffrey 256
Nance, Sarah 294
Nathan, Mitchell 104
Nguyen, David 60
Olson, Corey 148
Orihuela, Jose 145
Otalora-Fadner, Arbor 104
Overby, Mollie 24
Palencia, Liliana 24
Parrell, Daniel 139
Polewski, Michael 2
Pumper, Megan 192
Qian, Richard 65
Raddatz, Stacy 147
Rasmussen, Jr, David 115
Rocco, Dominick R 67
Rockney, Danica 228
Roessler, Elizabeth 55
Rohde, Kalynn 105
Rosenfeld, Stefanie 80
Savstrom, Lauren 109
Schaefer, Emily 25
Schmabel, Tina 235
Schroeder, Tyler 219
Schwerbel, Brint 180
Shea, Michael 233
Sheibani, Nader 5
Shier, Jaime 54
Shilling, Hayley 104
Shrestha, Isha 243
Spidle, Rebekah 234
Staveness, Daryl 284
Sterken, David 277
Stewart, Zachary 172
Sudolcan, Benjamin 206
Sutterer, David 226
Tang, Jonathan 254
Torabi, Hesam 5
Troller-Renfree, Sonya 64
Van Gheem, Kathryn 179
Van Hecke, Stephanie 141
Vasiljevic, Marina 236
Vasys, Victoria 66
Velez, Nicole 114
Villiard, Hope 190
Virlee, Carla 293
Vo, Tuyetnga 60
Voss, Jed 227
Voves, Heather 253
Weber, Kassandra 228
Weggel, William 16

Weindruch, Richard 2
Weis, Jessica 117
Werner, Benjamin 29
Williams, Joyce 235
Wolf, Kathryn 118
Wolf, Laura 118
Wong, Rachel 86
Woods, Briana 235
Young, Lindsay 25
Zimbric, Jacob 38

Oral Presentations

Capitol View

Sita, Timothy
Sasson, Sapir
Malone, Elizabeth
Schroeder, Nicole
Powers, Nicole

Inn Wisconsin East

Diesch, Michael
Fink, John
Egan, Katie
Dees, Cara
Wendorff, Timothy

Inn Wisconsin West

Abbs, Elizabeth
Saffold, Ashley
Bae, Jun
Barnard, Allison
Mao, Shifan

Old Madison East

Leugers, Cecilia
Luhn, Alec
Dong, Xintong
Miller, Shaun
Lang, Alex

Old Madison West

Procak, Alexandra,
Buck, Will
Wroblewski, Rachel
Stoltz, Dan
Pflum, Zach

Profile

Bochte, Crys
Kelley, Megan
Sauer, Megan

Art Presentations

Fischer, Treena
Brand, Nora
Hall, Rebecca
Mursky-Fuller, Jesse

SESSION II 12:30–2:00 p.m.

Poster Presentations

[Presenter, poster number]

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Andrzejewski, Amy 79
Anna, Gimmer 238
Asuma, Matti 220
Baldeshwiler, Mark 232
Banik, Steven 171
Barnes, Hannah 282
Basu, Hirak 287
Bates, Lana 238
Batko, Brian 246
Baum, Daniel 49
Bender, Breann 35
Bice, Brittany 101
Blavat, Jamie 289
Cain, Michael 3
Cannizzo, Zachary 231
Carballo, Erica 166
Carmichael, Ashley 239
Chadwick, Liz 205
Chandranathan, Mayuran 96
Chang, An-Chieh 162
Chavez, Elizabeth 166
Chen, Yuli 214
Christenson, Eric 163
Church, Dawn 287
Cira, Nathaniel 217
Dart, Melanie 45
David, Alisha 45
Denman, Jaime 238
Denu, Ryan 107
Dong, Xintong 217
Dorsky, Hannah 237
Egan, Katie 193
Erstad, Johanna 176
Estrada, Genesis 40
Feit, Elizabeth 4
Feyt, Rachel 209
Finley, Brenna 209
Gallardo, Sergio 89
Gassner, Elisa 237
Gerhartz, Cody 265
Ghanayem, Ariel 263

Gillman, Wes 286
Ginther, Melody 239
Gooding, Alex 106
Hagen, Valerie 72
Hall, Rebecca 166
Hamilton, Erin 237
Harish Anand, Anshita 22
Harris, Samantha 164
Hartwick, Victoria 265
Hepokoski, Laura 103
Hiley, Michael 31
Hill, Dylan 173
Hintz, Kylee 205
Hokeness, Kate 154
Houle, Hope 205
Hutchins, Samuel 131
Ingenito, Kaley 209
Jammeh, Momodou 61
Jensen, Janelle 120
Kaczmarek, Jane 265
Kalscheur, Abigail 257
Kamat, Viraj 217
Kapke, Jordan 272
Karen, Flores 153
Kegel, Stacey 287
Keuler, Megan 92
Kief, Emily 276
King, Alisa 290
Klein, Will 247
Knackert, Joshua 39
Knurr, Hanna 186
Koski, Heather 229
Krautkramer, Kimberly 63
Kressler, Jocelyn 110
La Reau, Alex 87
Lam, Maxine 51
Lara, Kyle 98
Leary, Kelly 240
Lehman, James 271
Lorenc, Melissa 270
Lubin, David 98
Mattison, Jenna 239
McMaster, Sean 217
Mehraein, Farideh 287
Meyers, Justin 52
Millenbah, Jacklyn 34
Miller, Jacob 265
Miller, Morgan 20
Mills, Laurel 260
Minor, Courtney 237
Moe, Mitchell 240
More, Allen 229
Mulvey, Bernard 266
Oudheusden, Gregory 158

Pantalone, Nathaniel 217
Pavkovich, Anthony 265
Pearson, Capri 265
Pearson, Christine 238
Peissig, Evan 23
Perez, Laura 71
Phan, Chau 19
Pickell, Jane 239
Pietrantonio-Davis, Brittany 34
Prouve, Lucas 263
Puk, Alexandra 267
Raatz-Robinson, Ravin 258
Reddy, Caroline 21
Reuter, Quentin 287
Ripple, Augusta 240
Rivera, Daniel 57
Robinson, Chavon 71
Rose, Ayanna 166
Sandock, Sarah 217
Schleis, Gregory 62
Schultz, Christopher 217
Schwartz, Alec 57
Seider, Sam 26, 27
Shrestha, Sneha 18
Sklenar, Kathryn 94
Slattery, Stuart 288
Solom, Abigail 298
Spokes, Christopher 229
St. Aubin, Emily 35
Steiner, Ted 218
Taff, Alicia 103
Tara, Centeno 1
Thao, Mai 185
Thompson, Alex 160
Tonelli, Scott 177
Towell, Amy 35
Valdez, Danielle 295
Vander Wegen, Sarah 240
Ward, Bryanna 149
Weiskotten, Shauna 93
Wiederhold, Andrew 82
Wilson, Tracy 205
Wooten, Raechel 149
Xiong, Donny 209
Xu, Lucy 132
Yu, Christine 84
Zhang, Ting 217
Zimmerman, Emily 74
Zucker, Dustin 119

Oral Presentations

Capitol View

Hellenbrand, Katrina
Kutny, Andrea
Mattrisch, William
Sweeney, Rebecca
Dibble, Andrew

Inn Wisconsin East

Rosewood, Ella
Thomas, James
Stein, Kelsey
Hasan, Neha
Saphner, Elizabeth

Inn Wisconsin West

Ruiz, Michael
Trzebiatowski, Josh
Prouve, Lucas
Kleman, Neil
Lehrer-Brey, Gabrielle

Old Madison East

Rasmussen, Krista
Meyer, Patrick
Baures, Brittany
Whitemarsh, Regina
Mabrey, Danielle

Old Madison West

Chaplo, Shannon
Newcomb, Kimberly
Gordon, Robert
Kulczyk, Eric
Sanchez, Joshua

Profile

Trevino-Dopatka, Sonia

Art Presentations

Budnik, Elizabeth
Hughes, Maria
Mastrangeli, Marissa

Performance

De Los Reyes, Gabriel

SESSION III 2:15–3:45 p.m.

Poster Presentations

[Presenter, poster number]

Alderson, Kory 261
Annear, Lucas 248
Backonja, Uba 157
Baldinger, Andrew 121
Bandos, Gerad 189
Bare, Kaitlin 125
Bautista, Gabriel 200
Berrey, Mallory 36
Bester, Sherri 245
Bishop, Forrest 181
Bowen, Amanda 122
Bowen, Lindsay 222
Brander, Bethany 146
Burnett, Sarah 241
Burriss, Emily 279
Calvin, Harberg 165
Carballo, Erica 166
Cardoso, Rogerio Fernando 275
Carey, Jessa 221
Carlson, Matt 279
Chavez, Elizabeth 166
Chindhy, Anaita 133
Cleveland, Matthew 126
Cox, Kristin 48
Davis, Stephanie 122
Davister, Ross 121
de la Rosa, Alejandro 8
Degregorio, Zachary 230
DesRochers, Samantha 30
Dowden, Molly 215
Driver, James 9
Duratinsky, Joseph 56
Egan, Katie 194
Escalante, Leah 108
Evansen, Megan 36
Falish, Megan 222
Fish, Timothy 245
Gilsdorf, Rebecca 78
Groh, Alicia 248
Hagemeier, Laura 10
Hale, Katherine 53
Hall, Rebecca 166
Hall, Sam 130
Hammer, Celeste 245
Handley, Jillian 142
Hansen, Emily 156
Harings, Maggie 17
Heffernan, James 73

Heineman-Pieper, Johanna 43
Hoff, Jamie 126
Houge, Hallie 10
Hudson, Melissa 278
Hutter, Carl 36
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Jenerson, Kayla 77
Jin, Dexter 76
Jordan, Kennedy 124
Joyce, Emily 248
Jurek, Sarah 242
Kaeppler, Katherine 187
Kim, Junhwa 187
Knox, Zina 245
Koenigs, Michael 202
Kruepke, Michael 202
Kuck, Caitlin 59
Kuckuk, Elizabeth 225
Kusse, Lyrissa 111
Langberg, Tomer 268
Laube, Brianna 155
Lewis, Celeste 245
Lieberthal, Zach 124
Lincoln, Hannah 129
Malczewski, Jamie 121
Manley, Kate 241
Marquardt, Craig 203
Masterman, Jessica 12
Mazhar, Hammad 198
McCormack, Jeanne 174
Mendoza, Michael 134
Miller, Lauren 127
Mitchell, Luangrath 261
Myklejord, Duane 46
Newman, Joseph 202
Nillasithanukroh, Songdet 88
Oguchi, Yushi 37
Olsen, Casey 230
Orringer, Samantha 127
Oyen, Michelle 241
Patel, Roshni 143
Patton, Taylor 230
Peschke, Lara 251
Peter, Culviner 50
Picard, Trisha 242

Plate, Rista 223
Prewitt, Kristin 250
Price, Craig 68
Rakhmievich, Alexander 261
Robin, Emily 81
Rose, Ayanna 166
Rosen, Gabe 196
Rosen, Joelle 124
Rosenberg, Rebecca 241
Rummelhoff, Ann 242
Rummelhoff, Ann 242
Schaefer, Emily 28
Schlotthauer, David 123
Schmid, Sarah 208
Schroeder, Kelsey 75
Sehgal, Namratta 137
Severseike, David 99
Shiel, Nicholas 273
Simonsen, Mary 248
Slusarek, Sara 156
Smetana, Gregory 283
Sordahl, Scott 197
Soto, Elizabeth 85
Stiles, Pascale 133
Thomas, Elizabeth 210
Torres Figueroa, Wandscheiska 37
Wadzinski, Tyler 213
Weinberg, Sam 44
Weiss, Deena 102
West, Ben 7
Witt, Jessica 156
Wojnar, Allison 224
Yoritomi, Elisa 262
Young, Lindsay 28
Zewdie, Yonas 53
Zilles, Katelyn 221

Oral Presentations

Capitol View

Chase, Joseph
Luo, James
Goldstein, Michael
Rozek, Rebecca
Moran, Patrick

Inn Wisconsin East

Saddoris, Alicia
Schroeder, Kristina
Cavanagh, Cate
Ho Wee Teck, William
Phillips, Sarah
Cheng, Cheng

Inn Wisconsin West

Abdl-Haleem, Marryam
Martin, Christopher
Polnaszek, Brock
Steeples, Douglas
Thapar, Nalin
Schmid, Leah

Old Madison East

Bentley, Janelle
Williams, Walter
Becker, Claire
Goodman, Katelyn
Gohlke, Brianne

Old Madison West

Pellatt, Brian
Pribbenow, Luke
Lembong, Josephine
Walton, Mary
Keuler, Megan

Profile

Sorensen, Emily
Horvath, Patricia
Winograd, Paul
Xiong, Lisa
Crandall, Ronald

Art Presentations

Renn, Lauralyn
Brewster, Signe