

ADITI PAI

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1. EDUCATION

- Ph.D.** 2001 Biology, State University of New York at Buffalo, NY
- M.S.** 1995 Ecology, Pondicherry University, Pondicherry, India
- B.Sc.** 1993 Chemistry, Environmental Sciences, Zoology, St. Joseph's College, Bangalore, India

2. EMPLOYMENT HISTORY

- 2011- **Associate Professor**, Biology Department, Spelman College
- 2010- **Vice Chair**, Biology Department, Spelman College
- 2006 -2011 **Assistant Professor**, Biology Department, Spelman College
- 2005 **Research Assistant Professor**, Department of Biological Sciences, State University of New York at Buffalo
- 2001- 2005 **Research Associate**, Department of Biological Sciences, State University of New York at Buffalo
- 2004 fall **Ecology Instructor**, Department of Biological Sciences, State University of New York at Buffalo
- 1996 - 2001 **Teaching/Research Assistant**, Department of Biological Sciences, State University of New York at Buffalo
- 1996 **Grade School Teacher**, National Academy for Learning, Bangalore, India
- 1995 **Research Assistant**, Auroville Greenwork Research Center, Pondicherry, India

3. AWARDS AND HONORS

1. **Presidential Award for Excellence in Scholarship**, Spelman College, 2009
2. **Biology recognition award for leadership, service, and competence**, State University of New York-Buffalo, 2005
3. **Graduate School Excellence in Teaching Award**, State University of New York -Buffalo, 1998

4. SCHOLARSHIP

A. PEER REVIEWED PUBLICATIONS AND ARTICLES IN PRESS

1. **Pai A**, G McGinnis, M Cole, K Stovall, J Kovacs, M Lee, D. Bryant. 2013 (accepted). Let's be 'friends': Using Facebook to enhance undergraduate science instruction. chapter in forthcoming book: *Cases on Social Networking Websites for Instructional Use*, IGI Global
2. Zhong D., M.Wang, **A. Pai**, G. Yan. 2013 (in press). Transcription Profiling of Immune Genes during Parasite Infection in Susceptible and Resistant Strains of the Flour Beetles (*Tribolium castaneum*) *Experimental Parasitology*.
3. **Pai, A.**, T. Benning, N. Woods, J. Chu, G. McGinnis, J. Netherton, C. Bauerle. 2010. Lessons from a case study based Freshman class at a black women's college. *Journal of College Science Teaching* **40**: 32-39
4. **Pai, A.** 2010. Tribolium. Invited chapter in *Encyclopedia of Animal Behavior* (Edited by Michael Breed and Janice Moore) **3**: 446-452, Elsevier Press.
5. **Pai, A.** 2010. Learning concepts in evolution using malaria as a case study. *MedEdPORTAL*. Available from: <http://services.aamc.org/30/mededportal/servlet/s/segment/mededportal/?subid=8086>
6. **Pai, A.** 2009. 'Evolution in action' a case study based advanced biology class at Spelman College. *Journal of Effective Teaching*, **9**: 54-68
7. **Pai, A.**, and G. Bernasconi. 2008. Polyandry and female control: the red flour beetle *Tribolium castaneum* as a case study. *Journal of experimental Zoology: Part B*. **310** B: 148-159. DOI: 10.1002/jez.b.21164
8. **Pai, A.**, S. Fiel, and G. Yan. 2007. Variation in polyandry and its fitness consequences among populations of the red flour beetle. *Evolutionary Ecology*. **21**: 687-702. DOI 10.1007/s10682-006-9146-4
9. Zhong D., E. Temu, D. Menge, **A. Pai**, T. Guda, L.Gouagna and G.Yan. 2006. Dynamics of genetic introgression in the African malaria vector, *Anopheles gambiae*. *Genetics* **172**: 2359-2365
10. Menge D., T. Guda, D. Zhong, **A. Pai**, G. Zhou, J. Beier, L. Gouagna, and G. Yan. 2005. Fitness consequences of *Anopheles gambiae* population hybridization. *Malaria Journal*. **4**: 44
11. Zhong D., **A. Pai** and G.Yan. 2005. Costly resistance to parasitism: evidence from simultaneous quantitative trait loci mapping for resistance and fitness. *Genetics* **169**:2127-2135
12. **Pai, A.**, L. Bennett and G. Yan. 2005. Female multiple mating for fertility assurance in red flour beetles? *Canadian Journal of Zoology*. **83**: 913-919

13. Zhong D., **A. Pai** and G. Yan. 2004. AFLP-based genetic linkage map for the red flour beetle *Tribolium castaneum*. *Journal of Heredity* **95**: 53-61
14. **Pai, A.**, and G. Yan. 2003. Rapid female multiple mating in red flour beetles. *Canadian Journal of Zoology*, **81**: 888-896
15. **Pai, A.**, and G. Yan. 2003. Effects of tapeworm infection on male reproductive success and mating vigor in the red flour beetle, *Tribolium castaneum*. *Journal of Parasitology*, **89**: 516-521
16. **Pai A.**, I. Sharakhov, O. Braginets, C. Costa, and G. Yan. 2003. Identification of microsatellite markers in the red flour beetle, *Tribolium castaneum*. *Molecular Ecology Notes* **3**: 425-427
17. Zhong D, **A. Pai**, and G. Yan. 2003. Quantitative trait loci mapping of *Tribolium* beetle susceptibility to macroparasites. *Genetics* **165**: 1307-1315
18. **Pai, A.**, and G. Yan. 2002. Polyandry produces sexy sons at the cost of daughters in red flour beetles. *Proceedings of Royal Society of London, Series: B*, **269**: 361-369
19. **Pai, A.**, and G. Yan. 2002. Female mate choice in relation to heterozygosity in *Tribolium castaneum*. *Journal of Evolutionary Biology*, **15**: 1076-1082

Non peer reviewed publications

20. **Pai, A.**, M. Rahman, W. Hong. 2009. The swine flu case. *Forum for Undergraduate Science Education (FUSE)*. <http://wikifuse.pbworks.com/>
21. **Pai, A.** 2003. Adapting to the American classroom: Evolution of an international teaching assistant, *Fall newsletter of Center for Teaching and Learning Resources, State University of New York at Buffalo*, New York, **3**: 3-5

B. GRANTSMANSHIP

1. **National Evolutionary Synthesis Center (NESCent)** Long term Targeted sabbatical: 'Biology of women-an evolutionary perspective', 2013
2. **Howard Hughes Medical Institute**: Undergraduate Science Education Grant: Capstone Award, \$1000000, 2012-2016
3. **National Science Foundation, Research Collaborative Network for Undergraduate Biology Education**, 'The case study and PBL network' (PI Margaret Waterman, Southeast Missouri State University. I am a co-PI) **\$498725**, 2010 -
4. **National Science Foundation Research Opportunity Award**, 'Multiple mating in the red flour beetle', (PI Michael Goodisman, Georgia Institute of Technology) **\$25000**, 2010
5. **Associated Colleges of the South Faculty Renewal Grant Award** 'The Work of Writing: Publishing Workshops', \$7073, (co-PIs Anne Warner, Lisa Niles), 2010
6. **Faculty Development Grant**, Spelman College, 'Mating behavior of flour beetles' **\$1687**, 2009
7. **MedEdPORTAL for Undergraduate Science Pilot Award**. American Association of Medical Colleges, One of only 10 awards made in a National Search for innovative teaching materials, 'Learning evolution using malaria as a case study', \$ 2000, 2009
8. **Junior Faculty development Grant**. Center for Biomedical and Behavioral Research. NIH/National Center on Minority Health and Health Disparities, Grant # P20

MD000215, 'Effect of social environment on evolution of reproductive traits in the red flour beetle, *Tribolium castaneum*', \$75000, Spelman College, 2007-2009

C. INVITED SEMINARS

1. **Morehouse College**, '*Battle of the sexes: sexual conflict in the red flour beetle*', Atlanta, GA 2010
2. **Georgia Institute of Technology**, '*Battle of the sexes: sexual conflict in the red flour beetle*', Atlanta, GA 2009
3. **Indiana University**, '*Variation in polyandry among populations of the red flour beetle*', Bloomington, IN, 2006
4. **William Patterson University**, '*Female multiple mating in the red flour beetle*', Wayne, NJ, 2005
5. **University of Vermont**, '*Evolutionary Biology of female multiple mating in the red flour beetle, Tribolium castaneum*', Burlington, VT, 2003
6. **University of Miami**, '*Evolutionary Biology of female multiple mating in the red flour beetle, Tribolium castaneum*' Oxford, OH, 2003

D. PRESENTED PAPERS AND POSTERS

1. **Association for Study of Animal Behavior Winter conference**, 'Death feigning in the contest of sexual selection', **A. Pai**, C. White, S. James, London, UK, **2010**
2. **Evolution conference, Portland, Oregon, 2010** 'Social environment influences the evolution of reproductive traits in the red flour beetle' **A. Pai**, J. Belle, J. Christopher, M. Bright, E. Lampkin, S. James, J. King, C. Richardson
3. **Evolution conference, Moscow, Idaho, 2009** 'Scent of danger: why female red flour beetles avoid males', **A. Pai**, K Adams, J. Bell, C. Richardson, B. Bush
4. **Animal Behavior Society Meeting, Snowbird, Utah, 2008** 'Opposites attract and likes repel: female mate choice in the red flour beetle' **A. Pai**, J. Bell, C. Richardson, K Adams, B. Bush
5. **Spelman College Faculty Research Day, Atlanta Georgia, 2007** 'History is herstory too ', **A. Pai**
6. **Animal Behavior Society Meeting, Burlington, Vermont, 2007** 'Social environment affects mating behavior of male red flour beetles' **A. Pai**, L. Tran-le, A. Gillen, B. Bush, V. Johnson, G. Yan
7. **Evolution conference, Long Island, New York, 2006** 'Effect of environment on female multiple mating in the red flour beetle', **A. Pai**, D.Reformat, J.Patel, G. Yan
8. **Evolution conference, Fairbanks, Alaska, 2005** 'Factors affecting male fertilization success in red flour beetles', **A. Pai**, L.Bennett, S. Manka, S. Beckford, V. Penumetsa, K.Ho, G. Yan
9. **Evolution conference, Fort Collins, Colorado, 2004** 'Variation in polyandry and its fitness consequences among populations of the red flour beetle', **A. Pai**, S. Fiel, and G. Yan
10. **Poster, Evolution Conference, Fort Collins, Colorado, 2004**, 'Relationship between host fitness costs and resistance to parasitism', D. Zhong, **A. Pai**, G. Yan
11. **Evolution conference, Chico, California, 2003**, 'Female multiple mating in *Tribolium castaneum*', **A. Pai**, G. Yan
12. **Poster, Evolution conference, Chico, California, 2003**, 'QTL for susceptibility to tapeworm infection in the red flour beetle', D. Zhong, **A. Pai**, G. Yan
13. **Midwest Ecology and Evolution conference, Akron, Ohio, 2003**, 'Female multiple mating for fertility assurance in red flour beetles', **A. Pai**, L. Bennett, G. Yan

15. **Evolution conference, Champaign, Illinois, 2002**, ‘Female mate choice in relation to heterozygosity in *Tribolium castaneum*’, *A. Pai, G. Yan*
16. **Evolution conference, Knoxville, Tennessee, 2001**, ‘Genetic consequences of female multiple mating in red flour beetle *Tribolium castaneum*’, *A. Pai, G. Yan*
17. **Evolution conference, Bloomington, Indiana, 2000**, ‘Fitness consequences of female multiple mating in the red flour beetle, *Tribolium castaneum*’, *A. Pai, G. Yan*
18. **Evolution conference, Bloomington, Indiana, 2000**, ‘Do female *Tribolium castaneum* beetles discriminate against ‘poor quality’ males?’ *A. Pai, G. Yan*
19. **Poster, Sigma-Xi Research Day, SUNY-Buffalo, NY, 2000**, ‘Fitness consequences of female multiple mating in the red flour beetle, *Tribolium castaneum*’, *A. Pai, G. Yan*
20. **Evolution conference, Madison, Wisconsin, 1999**, ‘Why do female red flour beetles mate with multiple males?’ *A. Pai, G. Yan*

5. TEACHING EXPERIENCE AND WORKSHOPS

A. CLASSES TAUGHT

Spelman College

1. *Bio 110: Biological communities and populations*
2. *Bio 325: Evolution in action*
3. *Bio 425: Ecology*
4. *Bio 100: Biology of women*
5. *Bio 285-485: Sophomore Senior seminar*
6. *Bio 487: Research methods in evolution*
7. *FYE 101-102: First Year Experience*

B. PEDAGOGICAL DEVELOPMENT

General

1. Participant, **Active Learning Pedagogies: Promoting Access and Mastery in the STEM Disciplines** PKAL regional conference, Atlanta, GA Nov 2012
2. Participant, **Next Generation STEM Learning: Investigate, Innovate, Inspire** AACU, Kansas City MO, Nov 2012
3. Participant, **Introductory Biology Project conference**, Washington DC, June 2012
4. Participant, **National IRACDA conference**, San Diego 2007, Houston 2011, Philadelphia, 2012
5. Participant, **Health disparities Collaborative workshop**, Spelman College, Atlanta, GA, 2012
6. Participant, **Turning Technologies user conference**, San Diego, CA, Oct 2011; Miami FL 2012
7. Participant, **Case study workshop of National Center for Case Study Teaching in Science**, Buffalo, NY, fall 2006, 2007, 2008, 2009, 2010, 2011, 2012
8. Participant, **HBCU National Faculty Development Network Symposium**, New Orleans, LA, October 2010, Orlando, FL 2012
9. Participant: **Inclusive Excellence conference, NSF JAM**, Washington DC, June 2011
10. Participant, **Education Technology Workshop**, Faculty Resource Network, New York University, NY June 2011
11. Participant, **Food workshop**, Spelman College, Atlanta, GA June 2011
12. Participant, **Digital Storytelling Workshop**, Spelman College, Atlanta, GA June 2011
13. Participant, **Engaging Departments Institute, AAC &U**, Philadelphia, PA, 2010 July 2010

14. Participant, **Associated Colleges of the South Teaching and Learning Workshop**, Winter Park, FL, June 2010
15. Participant, **Research Collaboration Network-Undergraduate Biology Education Planning Meeting**, Emory University, May 2010
16. Participant, **Interlink Alliance Conference**, Atlanta, GA Mar 2010
17. Participant, **Scholarship of Teaching and Learning Commons Conference**, Statesboro, GA, Mar 2010
18. Participant, **Med Ed portal for Undergraduate Science Workshop on writing about teaching**, Washington, DC, Dec 2009 (invited to participate after a nationwide competition)
19. Participant, **Math-Bio, Bio-Math BioQuest Workshop**, Atlanta, GA, July 2009
20. Participant, **Vision and Change in Biology Education Conference**, Washington, DC, July 2009
21. Participant, **Project-Kaleidoscope Georgia STEM Institute**, Atlanta, GA, Feb 2009
22. Participant, **Case study workshop organized by FIRST (Fellowships In Research and Science Teaching) program**, Emory University, Atlanta, GA, Mar 2007 and Mar 2009
23. Participant, **Summer Institute Workshop Series**, Center for Teaching and Learning Resources, SUNY-Buffalo, 2003

C. PRESENTATIONS AT TEACHING CONFERENCES

1. **Oral: Turning Technologies user conference, Miami, FL 2012** ‘Using clickers for curriculum assessment’, *A Pai, G. McGinnis, M Lee.*
2. **Poster: Next Generation STEM Learning: Investigate, Innovate, Inspire Meeting AACU, Kansas City MO, Nov 2012**, ‘A Comprehensive Skill-Based STEM Curriculum: Its About ME (My Education, My Experience, My Expectations)’ *A Pai, G McGinnis, M Ayalew, R Bass, A Griffin, A Powolny, M Maloney, Y Tekle, E Tillman, M Lee*
3. **Oral: HBCU FDN meeting, Orlando, FL 2012** ‘It’s About ME (My Education, My Experience, My Expectations): Using NEXT Generation Tools as Mechanisms of Engagement’, *A Pai, G. McGinnis, M Lee.*
4. **Poster: HHMI Program Directors’ Meeting, Chevy Chase, MD 2012**, The impact of research based courses on the Biology curriculum at Spelman College *A Pai, M Ayalew, R Bass, C Bauerle, G McGinnis, M Maloney, T Oliver, H Qin, Y Tekle, E Tillman, T Yerokun, M Lee*
5. **Poster: Fall case study conference, Buffalo, NY 2012** ‘Pre-health iCollaborative and case study resources’, *D Castles, J Page, A Pai*
6. **Poster: RCN UBE networking meeting ‘Using Case Studies, Reaching Diverse Audiences, Addressing Faculty and Future Faculty Development, Buffalo, NY 2012**, ‘Using social networking to enhance case study-teaching’ *A Pai, G McGinnis, M Cole, K Stovall, J Kovacs, M Lee*
7. **Mini symposium talk: Introductory Biology Project Conference Washington DC, 2012** ‘How an RCN-UBE on Case Studies and PBL Can Help Address IBP issues’ *M Waterman, D Allen, P Marsteller, K Klyczek, M Bergland, A Pai*
8. **Poster: Introductory Biology Project Conference Washington DC, 2012** ‘Assessment of a skills-based Introductory Biology curriculum at a liberal arts college’, *A Pai, G McGinnis, M Ayalew, R Bass, A Griffin, A Powolny, R Bhaduri, M Maloney, Y Tekle, M Lee*
9. **Poster: National IRACDA conference, Philadelphia, PA 2012**, ‘Let’s be “friends”’: Using social networking to enhance science teaching’ *A Pai, G McGinnis, M Cole, K Stovall, J Kovacs, M Lee*

10. **Oral presentation, HBCU 17th National Faculty Development Network Symposium, New Orleans, LA 2010** ‘SCI-CARE for the millennial students: Teaching introductory Biology to the ‘millennial students’ at Spelman College *A. Pai*
11. **Oral presentation, HBCU 17th National Faculty Development Network Symposium, New Orleans, LA 2010** ‘A New Biology Curriculum for the Millennial Student’ *M. Ayalew, M. Lee, A. Pai*
12. **Oral presentation, Interlink Alliance Conference, Atlanta, GA 2010** ‘SCI-CARE for the millennial students: Teaching introductory Biology to the ‘millennial students’ at Spelman College *A. Pai*
13. **Roundtable discussion, Interlink Alliance Conference, Atlanta, GA 2010** ‘A New Biology Curriculum for the Millennial Student’ *M. Ayalew, C. Hardnett, M. Lee, M. Maloney, A. Pai, H. Qin*
14. **Poster presentation, Scholarship of Teaching and Learning conference, Statesboro, GA 2010** ‘Teaching introductory Biology with clickers improves student learning’ *A. Pai*
15. **Poster presentation, Vision and Change in Biology Education Conference, Washington, DC, July 2009** ‘Designing a skills-based curriculum for Biology majors’, *A. Pai, R. Bass, T. Benning, J. Chu, A. Edlund, A. Griffin, P. Gunter-Smith, L. Hammonds-Odie, V. Ibeanusi, I. Imumorin, R. Jones, M. Lee, M. Maloney, G. McGinnis, J. Netherton, N. Woods, and C. Bauerle*
16. **Poster presentation, Fall case study conference, SUNY-Buffalo, Buffalo, NY 2008,** ‘Evolution in Action a case study based advanced Biology class at Spelman College’, *A. Pai*
17. **Poster presentation, Fall case study conference, SUNY-Buffalo, Buffalo, NY 2007** ‘Lessons from a case study based Freshman class at Spelman College’, *A. Pai, J. Chu, G. McGinnis, J. Netherton, N. Woods, C. Bauerle*
18. **Oral presentation, Institutional Research and Academic Career Development Award conference, UCSD, San Diego, California, 2007** ‘Teaching evolution at Spelman College’, *I. Joseph, A. Pai* (Presented by Ian Joseph)

D. TEACHING RELATED PROFESSIONAL SERVICE

1. **Invited workshop** (with Pat Marsteller, Emory University): A Compelling Need to Know: a Taste of Investigative Cases and PBL PKAL regional conference, Atlanta GA, 2012
2. **Invited Panelist:** BEACON conference, Lansing MI, 2012
3. **Invited participant for National Evolutionary Synthesis Center Working group on:** ‘Genetics and Genealogy: Teaching Evolution and Human Diversity to Middle School Students’, Raleigh, NC, 2012
4. **Facilitator** (with Craig Ogilvie, Iowa State University) : Workshop on ‘Broad Curricular Reform’, HHMI Program Directors’ meeting, Washington DC, 2012
5. **Session leader:** ‘Using Case Studies, Reaching Diverse Audiences’ at ,RCN UBE networking meeting ‘Using Case Studies, Reaching Diverse Audiences, Addressing Faculty and Future Faculty Development, and Spanning the Biology Curriculum Continuum, Buffalo, NY, 2012
6. **Invited Speaker, Workshop Coordinator and Creator:** ‘Let’s be friends: Using social networking to enhance science teaching’ Fall Conference of National Center for Case Study Teaching in Science, SUNY-Buffalo, NY, 2012
7. **Invited Speaker and Workshop Coordinator:** ‘Addressing the Needs of International Students’ Summer Institute workshop for faculty and graduate students, SUNY-Buffalo, Summer 2005
8. **Workshop Coordinator and Creator,** ‘Tips for International Teaching Assistants’, International student orientation, International Student and Scholar Services, SUNY-Buffalo, 2002-2005

9. **Workshop Facilitator**, ‘Teaching Lab Sections’ workshop at ‘Target Your Teaching Workshop’, SUNY-Buffalo, 1999-2005
10. **Small Group Leader**, ‘Target Your Teaching Workshop’, SUNY-Buffalo, 1998-2004

6. STUDENT RESEARCH MENTORSHIP

Spelman College

ACADEMIC YEAR	NAME	TITLE	RESEARCH PROJECT OUTCOME AT SPELMAN COLLEGE RESEARCH DAY
2005-2006	Vericka JOHNSON	Student Assistant	
2006-2007	Brienne BUSH	Volunteer	2007 poster presentation
	Ashlee FRANKLIN	Volunteer	2007 poster presentation
	Vericka JOHNSON	HHMI scholar, Summer 2006 to Spring 2007	2007 poster presentation
2007-2008	Kenyeda ADAMS	Volunteer HHMI scholar, AY 2009-2010	2008 poster presentation
	Brienne BUSH	Volunteer	2008 poster presentation
2008-2009	Kenyeda ADAMS	Volunteer	2009 poster presentation <u>1st Place award</u>
	Millicent BRIGHT	HHMI scholar, AY 2008-2009	2009 poster presentation
	KaTerri KELLY	Volunteer	
	Erica LAMPKIN	Bio 487 student, Fall 2009	2009 poster presentation
	JeNita PARTRIDGE	RISE scholar, AY 2008-2009	2009 oral presentation
	Chancellor RICHARDSON	HHMI scholar, in Summer 2008	2009 poster presentation
	Corin WHITE	RISE scholar, AY 2008-2009	2009 poster presentation
2009-2010	Kenyeda ADAMS	HHMI scholar, AY 2009-2010	2010 poster presentation
	Shelli JAMES	RISE scholar, Summer 2009, AY 2009-2010	2010 oral presentation
	KaTerri KELLY	Bio 487 student, Fall 2009	
	Jasmine KING	Bio 487 student, Fall 2009 Student Assistant, Spring 2010	
	Charita MONTGOMERY	Bio 487 student, Spring 2010	2010 oral presentation <u>1st Place award</u>
	Destiny NORMAN	Bio 487 student, Spring 2010	2010 poster presentation <u>1st Place award</u>
	Corin WHITE	Bio 487 student, Fall 2009 Volunteer, Spring 2010	2010 poster presentation <u>3rd Place award</u>
2010-2011	Kenyeda ADAMS	Volunteer, AY 2010-2011	2011 poster presentation

			<u>1st Place award</u>
Akia BLACKMON	Bio 487 student, Fall 2010		2011 poster presentation
Jessica CHRISTOPHER	Volunteer, Summer 2010 HHMI Scholar 2010-2011		2011 oral presentation
Shyla HARDWICK	RISE Scholar AY 2010-2011		2011 poster presentation
Shelli JAMES	Technician, Summer 2010		
Jasmine KING	Volunteer, Fall 2010 Bio 487 student, Spring 2011		2011 poster presentation
Isadora PORTER	HHMI Scholar 2010-2011		2011 poster presentation
Bathsheba RICHARDS	Bio 487 student, Spring 2011		2011 poster presentation
Chancellor RICHARDSON	Bio 487 student, Fall 2010		<u>3rd Place award</u> 2011 poster presentation
Alice STORY	Bio 487 student, Fall 2010		2011 oral presentation
Cherise WASHINGTON	RISE scholar, AY 2010-2011		2011 poster presentation <u>1st Place award</u>
2011-2012	Amber BARLOW	Bio 487 student AY 2011-2012	2012 oral presentation
	Jessica CHRISTOPHER	Volunteer Fall 2011 Bio 487 student spring-2012	2012 oral presentation <u>1st Place award</u>
	LaKisha DYKES	Bio 487 student spring-2012	2012 poster presentation <u>3rd Place award</u>
	Dalila FRASIER	Bio 487 student spring-2012	2012 poster presentation
	Raynesha GRANT	Bio 487 student spring-2012	2012 poster presentation
	Shyla HARDWICK	Volunteer Fall 2011 Bio 487 student spring-2012	2012 poster presentation
	Kendra HEARN	HHMI Scholar 2011-2012	2012 poster presentation <u>2nd Place award</u>
	Ashley LEWIS	Bio 487 student AY 2011-2012	2012 poster presentation
	Camille PEEPLES	Bio 487 student AY 2011-2012	2012 poster presentation
	Crystal SANDERS	Bio 487 student spring-2012	2012 poster presentation <u>2nd Place award</u>
	Courtney SYKES	G-STEM scholar	2012 poster presentation <u>2nd Place award</u>
	Cherise WASHINGTON	RISE scholar, AY 2011-2012	2012 poster presentation <u>1st Place award</u>

Undergraduate research presentations at regional or national conferences

Note: Presenting authors are in bold font.

AY 2012-2013

1. **Poster Presentation, Emerging Researchers Network Conference, Washington, DC 2013** ‘Examining extent of multiple paternity in females mated to four males in the red flour beetle, *Tribolium castaneum*’, **S Hardwick, J Christopher, S James, M Kapoor, M Goodisman, A Pai**
2. **Poster Presentation, Annual Biomedical Research Conference for Minority Students, Los Angeles, CA 2012** ‘Examining extent of multiple paternity in females mated to four males in the red flour beetle, *Tribolium castaneum*’, **S Hardwick, J Christopher, S James, M Kapoor, M Goodisman, A Pai**
3. **Poster Presentation, Annual Biomedical Research Conference for Minority Students, Los Angeles, CA 2012** ‘Female mate choice based on pheromones in the pest beetle, *Tribolium confusum*’, **C. Washington, K. Hearn, C. Montgomery, D. Norman, A Pai**
4. **Oral Presentation, Minority Access' 14th National Role Models Conference 2012** ‘Death Feigning an anti-predator behavior in the context of Sexual Selection in *Tribolium confusum*’ **C. Washington, S Hardwick, I Porter, S. James, C White, A Pai**

AY 2011-2012

5. **Poster, South East Ecology and Evolution conference, Clemson, SC 2012**, ‘Death Feigning an anti-predator behavior in the context of Sexual Selection in *Tribolium confusum*’ **C. Washington, S Hardwick, I Porter, S. James, C White, A Pai**

AY 2010-2011

6. **Poster Presentation, Emerging Researchers Network Conference, Washington, DC 2011** ‘Male genetic background influences female lifespan and offspring production in red flour beetles’ **K Adams, J Belle, B Bush, C Richardson, A Pai**
7. **Poster, South East Ecology and Evolution conference, Auburn, AL 2011**, ‘The benefit of mate choice in *Tribolium castaneum* male beetles’ **A. Story, A. Blackmon, A. Pai.**
8. **Poster Presentation, Evolution conference, Norman, OK , 2011** ‘The benefit of mate choice in *Tribolium castaneum* male beetles’ **A. Story, A. Blackmon, A. Pai.** A Story was the recipient for a competitive travel award through a Diversity Program with Society for Study of Evolution

AY 2009-2010

9. **Poster, IMHOTEP Conference, Florida A&M University, FL 2010** ‘The significance of death feigning in *Tribolium confusum* flour beetles’ **S. James, C. White, A. Pai** Shelli James placed first in the undergraduate presentations category.
10. **Poster, South East Ecology and Evolution conference, Atlanta, GA, 2010** ‘Pheromones of male *Tribolium confusum* as sexual attractants in mating behavior’ **D. Norman, C. Montgomery, A. Pai**
11. **Poster, South East Ecology and Evolution conference, Atlanta, GA, 2010** ‘Role of female pheromones in *Tribolium confusum*’ **C. Montgomery, D. Norman, A. Pai**
12. **Oral Presentation, South East Ecology and Evolution conference, Atlanta, GA, 2010** ‘Effect of male genotype on female lifespan in three populations of beetles’ **K. Adams, J. Belle, A. Pai**

13. **Poster, South East Ecology and Evolution conference, Atlanta, GA, 2010** ‘The significance of death feigning in *Tribolium confusum* flour beetles’ *S. James, C. White, A. Pai*
14. **Poster Presentation, Aspiring Physicians and Researchers Conference, Cleveland, OH, 2010** ‘Effect of male genotype on female lifespan in three populations of beetles’ *K. Adams, J. Belle, A. Pai*. Kenyeda Adams placed first in the poster competition.
15. **Poster Presentation, Annual Biomedical Research Conference for Minority Students, Phoenix, AZ, 2009** ‘Effect of social environment on evolution of reproductive traits in the red flour beetle, *Tribolium castaneum*’ *S. James, M. Bright, E. Lampkin, K. Kelly, J. Belle, A. Pai*
16. **Poster Presentation, HBCU-UP conference, Washington DC, 2009** ‘Effect of male genotype on female lifespan in three populations of beetles’ *K. Adams, J. Belle, A. Pai*. Kenyeda Adams placed first in the poster competition.
17. **Poster Presentation, Evolution conference, Moscow, Idaho, 2009** ‘Exploring mate choice in *Tribolium confusum*’ *C. White, J. Partridge, J. Belle, A. Pai*. Corin White was the recipient for a competitive travel award through a Diversity Program with Society for Study of Evolution.

AY 2008-2009

18. **Poster Presentation, Research Initiative for Scientific Enhancement Summer conference, Spelman College, Atlanta, GA 2009** ‘Effect of social environment on evolution of reproductive traits in the red flour beetle, *Tribolium castaneum*’ *S. James, M. Bright, E. Lampkin, K. Kelly, J. Belle, A. Pai*
19. **Poster Presentation, South East Ecology and Evolution conference, Gainesville, Florida, 2009** ‘Effect of social environment on evolution of reproductive traits in the red flour beetle, *Tribolium castaneum*’ *M. Bright, E. Lampkin, K. Kelly, J. Belle, A. Pai*
20. **Poster Presentation, South East Ecology and Evolution conference, Gainesville, Florida, 2009** ‘Observations on mating behavior of *Tribolium castaneum*’ *C. Richardson, J. Belle, K. Adams, A. Pai*
21. **Poster Presentation, South East Ecology and Evolution conference, Gainesville, Florida, 2009** ‘Effect of male genotype on female lifespan in three populations of beetles in absence of insecticide pressure’ *K. Adams, J. Belle, A. Pai*
22. **Poster Presentation, South East Ecology and Evolution conference, Gainesville, Florida, 2009** ‘Exploring female mate choice in *Tribolium confusum*’ *C. White, J. Partridge, J. Belle, A. Pai*
23. **Oral Presentation, South East Ecology and Evolution conference, Gainesville, Florida, 2009** ‘Male mate preference in the confused flour beetle, *Tribolium confusum*’ *J. Partridge, C. White, J. Belle, A. Pai*. JeNita Partridge placed first in the oral presentation category.
24. **Poster presentation, Aspiring Physicians and Researchers Conference Cleveland OH 2009** ‘Female mate choice in pesticide resistant population of red flour beetles’ *K. Adams, B. Bush, C. Richardson, J. Belle, A. Pai*. Kenyeda Adams placed third in the poster competition.
25. **Poster Presentation, Curtis L. Parker Research Day, Morehouse School of Medicine, Atlanta, GA 2009** ‘Exploring female mate choice in *Tribolium confusum*’ *C. White, J. Partridge, J. Belle, A. Pai*
26. **Poster Presentation, South-East Ecology, Population Genetics and Evolution Meeting Meeting, Athens, Georgia, 2008** ‘Female mate choice in pesticide resistant population of red flour beetles’ *K. Adams, B. Bush, C. Richardson, J. Belle, A. Pai*
27. **Poster Presentation, HBCU-UP conference, Atlanta, Georgia, 2008** ‘Female mate choice in pesticide resistant population of red flour beetles’ *K. Adams, B. Bush, C. Richardson, J. Belle, A. Pai*

28. **Poster Presentation, Howard Hughes Medical Institute Summer Research day, Spelman College, Atlanta, GA 2008** ‘Observations on mating behavior of *Tribolium castaneum*’ *C. Richardson, J Belle, K. Adams, A. Pai.*

AY 2007-2008

29. **Poster Presentation, South East Ecology and Evolution conference, Tallahassee, Florida, 2008** ‘Polyandry and its fitness consequences in the confused flour beetle, *Tribolium confusum*’ *B. Bush, V. Johnson, A. Pai*

AY 2006-2007

30. **Poster Presentation, South East Ecology and Evolution conference, Orlando, Florida, 2007** ‘Effects of social environment on mating behavior of red flour beetles’, *V. Johnson, A. Pai*

AY 2005-2006

31. **Poster Presentation, Howard Hughes Medical Institute Summer Research day, Spelman College, Atlanta, GA 2006** ‘Effects of social environment on mating behavior of red flour beetles’, *V. Johnson, A. Pai*