

COREN LEE APICELLA

Department of Psychology • University of Pennsylvania
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EDUCATION

Harvard University	PhD Biological Anthropology, 2009
University of Liverpool	MS Evolutionary Psychology, 2002

PROFESSIONAL EXPERIENCE

University of Pennsylvania	Assistant Professor of Psychology Department of Psychology 2012 - current
Université Toulouse 1 Capitole	Visiting Scholar Institute for Advanced Study 2012 - 2013
Harvard Medical School	Postdoctoral Research Fellow Department of Health Care Policy 2010 - 2012
Harvard University	Postdoctoral Teaching Fellow Department of Human Evolutionary Biology 2009 - 2010
Research Institute for Industrial Economics	Affiliated Visiting Researcher Stockholm, Sweden 2008 - 2010

AWARDS

Funded research grant “Hunter-gatherers and the origins of the morally exceptional” from *The Templeton Foundation* and *Wake Forrest University*, 2016-2018 **(\$73,419)**

University of Pennsylvania Dean's Award for Distinguished Teaching by an Assistant Professor, 2016

Funded research grant “The role of religious beliefs on economic risk preferences” from *The Russell Sage Foundation, Small Grants in Behavioral Economics* with students Kevin Hong and Hannah Morse, 2016 **(\$4,100)**

Funded workshop on Hadza Conflict, Cooperation and Culture from the *Perry World House* on Evolving Global Dynamics with Sara Tishkoff and Erol Akcay. 2016 **(\$1,500)**

Penn's Best Professors list in *Daily Pennsylvanian*, 34th Street Magazine, 2015

Funded research sub-grant "The role of supernatural beliefs on risk-taking" from the *Templeton Foundation (peer-reviewed)*; Original grant "The Emergence of prosocial religions", 2015 **(\$10,000)**

Funded research sub-grant "Evolution of Religion and Morality in Hadza hunter-gatherers" from the *Cultural Evolution of Religion Research Consortium*, originally funded by Canadian Social Sciences and Humanities Research Council, 2014 **(\$7,000)**

Radcliffe Institute for Advanced Study, Exploratory Grant "Social networks and cooperation", 2012

Cora Du Bois Anthropology Award, 2009

Eliot Dissertation Completion Fellowship, 2009

Derek C. Bok Award for Excellence in Graduate Student Teaching of Undergraduates, 2009

Edmund J Curley Fellowship, 2009

Distinction in Teaching from The Derek Bok Center, Harvard University, 2008

Merit Fellowship from The Harvard Graduate Society, 2008

Distinction in Teaching from The Derek Bok Center, Harvard University, 2006

National Science Foundation Research Experience for Graduate Students, 2006

TEACHING EXPERIENCE

University of Pennsylvania

Social Psychology; Behavioral Biology of Women

Harvard University

Human Evolutionary Biology and Behavior Seminar; Behavioral Biology of Women; Evolution of Human Nature

Lasell College

Introduction to Psychology

PROFESSIONAL SERVICE

Associate Editor

Adaptive Human Behavior and Physiology

Editor

PLOS One

Reviewer

Proceedings of the National Academy of Sciences, Current Biology, Current Anthropology, Nature Communications, Journal of Experimental Psychology, American Anthropologist, Physiology & Behavior, Proceedings of the Royal Society Biological Sciences, Evolution & Human Behavior, Human Nature, Evolutionary Psychology, The Leadership Quarterly, American Journal of Human Biology, PLOS ONE, Behavior Research Methods, Psychoneuroendocrinology, Adaptive Human Behavior & Physiology, Cognition, Human Nature, Evolutionary Psychological Science, National Science Foundation

Professional Committees

Society for Social Neuroscience Early Career Award Selection Committee; UPenn: Positive Psychology Search Committee; Psychology Graduate Student Admissions Committee, Chair of the Psychology Colloquium Committee, Chair's Advisory Committee; UPenn Wellness Ambassador; UPenn School of Arts and Sciences Curriculum Committee

Television and Film

National Geographic: Brain Games, Expert Interview Season's 3, 4 & 5; The Franklin Institute: The Brain, Host

PUBLICATION SUMMARY

Total Publications = 43

First or corresponding author publications = 23

h-index = 23

* Indicates corresponding author

PEER REVIEWED JOURNAL PUBLICATIONS

Smith, K.M., Olkhov, Y.M., Puts, D.A., & **Apicella, C.L.** (invited revision). Voice pitch predicts hunting reputation in Hadza men. *Evolutionary Psychology*.
[with my student (Smith) and research assistant (Olkhov)]

Apicella, C. L., Demiral, E. E. & Mollerstrom, J. (in press). No gender difference in willingness to compete when competing against self. *American Economic Review, Papers and Proceedings*.

- Apicella, C.L.*** (2017). High levels of rule bending in a minimally religious population of hunter-gatherers. *Religion, Brain and Behavior*, 10.1080/2153599X.2016.1267034.
- Purzycki, B.G., **Apicella, C.L.**, Atkinson, Q., Cohen, E., McNamara, R.A., Willard, A., Xygalatas, D., Norenzayan, A., & Henrich, J. (2017). The Evolution of Religion and Morality: A synthesis of ethnographic and experimental evidence from eight societies. *Religion Brain and Behavior*, doi: 10.1080/2153599X.2016.1267027.
- Apicella, C.L.***, Crittenden, A.N., & Tobolsky, V. (2017). Hunter-gatherer males are more risk-seeking than females, even in late childhood. *Evolution and Human Behavior*, doi: 10.1016/j.evolhumbehav.2017.01.003
[with my research assistant (Tobolsky)]
- Hill, A.K., Cárdenas, R.A., Wheatley, J.R., Welling, L.L.M., Burriss, R.P., Claes, P., **Apicella, C.L.**, Little, A.C., Shriver, M.D., & Puts, D.A. (2017). Are there vocal cues to human developmental stability? Relationships between facial fluctuating asymmetry and voice attractiveness. *Evolution and Human Behavior*, 38, 249-258.
- Purzycki, B. G., **Apicella, C.L.**, Atkinson, Q., Cohen, E., McNamara, R. A., Willard, A. K., Norenzayan, A., and Henrich, J. (2016). Cross-cultural dataset for the Evolution of Religion and Morality Project. *Scientific Data*, 3, 16099, doi: 10.1038/sdata.2016.99.
- Smith, K.M., & **Apicella, C.L.*** (2016). Winners, Losers and Posers: The effect of power poses on testosterone and risk-taking following competition. *Hormones and Behavior*.
[with my student (Smith)]
- Bryant, G.A., Fessler, D.M.T., Fusaroli, R., Clint, E., Aarøe, L., **Apicella, C.L.**, Petersen, M.G., Bickham, S. T., Bolyanatz, A.H., Chavez, B., Smet, D.D. Diaz, C., Yildizhan, S.E., Fančovičová, J., Hu, A., Fux, M., Giraldo-Perez, P., Shin, H.J., Kamble, S.V., Li, N., Luberti, F., Prokop, P., Quintelier, K., Scelza, B., Soler, M., Stieger S., Toyokawa W., Van Den Hende, E.A., Viciano-Asensio, H., Yong, J., Yuditha, T. & Zhou, Y. (2016). Detecting affiliation in spontaneous co-laughter across 24 societies. *Proceedings of the National Academy of Sciences*.
- Purzycki, B.G., **Apicella, C. L.**, Atkinson, Q., Cohen, E. McNamara, R.A., Willard, A.K., Xygalatas, D., Norenzayan, A, & Henrich, J. (2016). Moralistic Gods, supernatural punishment and the expansion of human sociality. *Nature*, 530, 327-330.
- Lindsey, D.T., Brown, A.M., Brainard, D.H., & **Apicella. C.L.** (2016). Hadza color terms are sparse, diverse, and distributed, and presage the universal color categories found in other world languages. *i-Perception*, 7(6), doi:10.1177/2041669516681807.
[response to a published comment]
- Puts, D.A., Hill, A.K., Bailey, D.H., Walker, R.S., Rendall, D. Wheatley, J.R., Welling L.L.M., Dawood, K., Cárdenas, R. Burriss, R.P. Jablonski, N.G., Shriver, M.D., Weiss, D. Lameira, A.R. , **Apicella, C.L.**, Owren, M.J., Barelli, C., Glenn, M.E. Ramos-Fernandez, G. (2016). Sexual selection on male vocal fundamental frequency in humans and other

anthropoids. *Proceedings of the Royal Society, B*, 283.

Apicella, C.L.* & Barrett, H.C. (2015). Cross-cultural evolutionary psychology. *Current Opinion in Psychology*, 7, 92-97.

Little, A.C., & **Apicella, C.L.** (2015). Face adaptation in an isolated population of African hunter-gatherers: Exposure influences perception of other ethnicity faces more than own ethnicity faces. *Psychonomic Bulletin and Review*, 1-6.

Apicella, C.L.*, Tobolsky, V., Marlowe, F.W, Miller, K. (2015). Hadza hunter-gatherer men do not have more masculine digit ratios (2D:4D). *American Journal of Physical Anthropology*, 159, 223-232.
[with my research assistant (Tobolsky)]

Lindsey, D.T., Brown, A.M., Brainard, D.H., & **C.L. Apicella***. (2015). Hunter-gatherer color naming provides new insight into the evolution of color terms. *Current Biology*, 18, 2441-2446.

Apicella, C.L.* Carre, J. & Dreber, A. (2015). Testosterone and economic risk-taking: A Review. *Adaptive Human Behavior and Physiology*.

Apicella, C.L.* & Dreber, A. (2014). Sex differences in competitiveness: Hunter-gatherer women and girls compete less in gender-neutral and male-centric tasks. *Adaptive Human Behavior and Physiology*, 1, 247-269.

Apicella, C.L.* (2014) Upper-body strength predicts hunting reputation and reproductive success in hunter-gatherers. *Evolution and Human Behavior*, 35, 508-518.

Wheatley, J. **Apicella, C.L.** Cardenas, R, Burriss, R. Welling, L. & Puts, D. (2014). Women's faces and voices are cues to reproductive potential in industrial and forager societies. *Evolution and Human Behavior*, 35, 264-271.

Apicella, C.L., Azevedo, E. A., Fowler, J. & Christakis, N.A. (2014). Evolutionary origins of the endowment effect: evidence from hunter-gatherers. *American Economic Review*, 104, 1793-1805.

Apicella, C.L.*, Dreber, A. & Mollerstrom, J. (2013). Salivary testosterone change following monetary wins and losses predict future financial risk-taking. *Psychoneuroendocrinology*, 39, 58-64.

Little, T.C., Hockings, K.J., **Apicella, C.L.**, and Sousa, C. (2012). Europeans and Africans find mixed-ethnicity face shape most attractive. *Perception*, 41, 1486-1496.

Apicella, C.L., Marlowe, F. W., Christakis, N.A. & Fowler, J.H. (2012). Social networks and cooperation in hunter-gatherers. *Nature*, 481, 497-501.

Puts, D. **Apicella, C.L.** & Cárdenas, R. (2012). Masculine voices signal men's threat potential

in forager and industrial societies. *Proceedings of the Royal Society, B*, 279, 601-609.

Apicella, C.L.*, Dreber, A., Gray, P., Hoffman, M., Little, A.C., Campbell, B.C. (2011). Androgens and competitiveness in men. *J of Neurosci. Psychol. Econ.*, 4, 54-62.

Beauchamp, J., Cesarini, D.A., Johannesson, M., Lindqvist, E, **Apicella, C.L.** (2010) On the sources of the height-intelligence correlation: New insights from a bivariate ACE model with assortative mating. *Behavior Genetics*, 41, 242-252.

Eisenberg, D.T. A, **Apicella, C.L.**, Campbell, B.C., Dreber, A., Garcia, J., Lum, J.K. (2010). Assortative human pair-bonding for partner ancestry and allelic variation of the dopamine receptor D4 (*DRD4*) gene. *Social Cognitive and Affective Neuroscience*, 5, 194-202.

Apicella, C.L.*, Cesarini, D., Johannesson, M., Dawes, C.T, Lichtenstein, P., Wallace, B., Beauchamp, J., Westberg, L. (2010). No association between Oxytocin Receptor (OXTR) Gene polymorphisms and experimentally elicited social preferences. *PLOS One*, 5(6):e11153.

Campbell, B.C., MacKillop, J., Dreber, A., **Apicella, C.L.**, Eisenberg, D. T. A., Gray, P. Little, A.C. (2010). Testosterone exposure, dopaminergic reward, and sensation-seeking in young men. *Physiology and Behavior*, 99, 451-456.

Dreber, A., **Apicella, C.L.***, Eisenberg, D.T.A. Garcia, J. R. Zamore, R.S. and Campbell, B. (2009). The 7R polymorphism in the dopamine D4 receptor gene (*DRD4*) is associated with financial risk-taking in men. *Evolution and Human Behavior*, 30, 85-92.

Apicella, C.L.*, & Feinberg, D. (2009). Voice pitch alters mate-choice relevant perception in hunter-gatherers. *Proceedings of the Royal Society, B*, 276, 1077-1082.

Little, A.C., Jones, B., Waite, C., Tiddeman, B.P., Feinberg, D., Perret, D.I., **Apicella, C.L.**, Marlowe, F.W. (2008). Symmetry is related to sexual dimorphism in faces: Data across cultures and species, *PLOS ONE*, 3(5): e2106.

Apicella, C.L.*, Dreber, A., Campbell, B., Gray, P., Hoffman, M., & Little, A. C. (2008). Testosterone and financial risk-taking. *Evolution and Human Behavior*, 29, 384-390.

Apicella, C.L.*, Little, A.C. & Marlowe, F. W. (2007). Averageness and attractiveness in an isolated population of hunter-gatherers. *Perception*, 36, 1813-1820.

Apicella, C.L.*, Feinberg, D. & Marlowe, F. W. (2007). Voice pitch predicts reproductive success in male hunter-gatherers. *Biology Letters*, 3, 682-684.

Apicella, C.L.* & Marlowe, F. W. (2007). Men's reproductive investment decisions: mating, parenting and self-perceived mate value. *Human Nature*, 18, 22-34.

Little, A.C., **Apicella, C.L.** & Marlowe, F. W. (2007). Preferences for symmetry in human

faces in two cultures: data from the UK and the Hadza, an isolated group of hunter-gatherers. *Proceedings of the Royal Society, B*, 274, 3113-3117.

Marlowe, F. W., **Apicella, C.L.**, & Reed, D. (2005). Men's preferences for women's profile waist- to-hip ratio in two societies. *Evolution and Human Behavior*, 26, 458-468.

Apicella, C.L.* & Marlowe, F. W. (2004). Mate fidelity and resemblance predict men's investment in children. *Evolution and Human Behavior*, 25, 371-378.

OTHER PUBLICATIONS

Apicella, C.L. & Mollerstrom, J. (February, 2017). Women Do Like to Compete — Against Themselves. Gray Matter, *New York Times*.

Apicella, C.L.* & Crittenden, A. (2016). Hunter-gatherer families and parenting. In *The Handbook of Evolutionary Psychology* (Ed. Buss, D.), Hoboken, NJ: Wiley, 578-592.

Apicella, C.L.* & Cesarini, D. A. (2011). Testosterone response and political donations: Winner Loser effects in the 2008 presidential election. In *Man is by Nature a Political Animal: Evolution, Biology and Politics*. (Eds. Hatemi, P. & McDermott, R.). Chicago: University of Chicago Press.

Apicella, C.L.* (2011). On the universality of attractiveness. In *Future Science: Essays from the Cutting Edge* (Ed. Brockman, M.). New York, NY: Oxford University Press.

Almenberg J, Dreber A, **Apicella C.L.**, & Rand DG. (2011). Third Party Reward and Punishment: Group Size, Efficiency and Public Goods. In *Psychology of Punishment* (Eds. Palmetti, N. & Russo, J.). Hauppauge, NY: Nova Publishing.

INVITED TALKS

Understanding the Origins of Social, Economic and Attractiveness Preferences: Data from Hadza foragers. Evolution of Social Complexity Colloquia, Arizona State University, 2016

Hunter-gatherers and the Origins of the Morally Exceptional. Templeton's Beacon Project Initial Research Workshop, Wake Forest University, 2016

Understanding the Origins of Social, Economic and Attractiveness Preferences: Data from Hadza foragers. Biological Anthropology Colloquium, Yale University, 2016

Understanding the Origins of Social, Attractiveness and Economic Preferences: Lessons from Hunter-Gatherers. Evolutionary Studies Program, Binghamton, University, 2016.

The origins of economic preferences and biases: Data from Hadza hunter-gatherers. Department of Finance, School of Business and Economics, Maastricht University, Netherlands, 2016

Social networks and the evolution of cooperation. Human Nature Lab. Yale Institute for Network Science, Yale University, 2015

Explaining homogeneity in cooperation in Hadza hunter-gatherers. Laboratory for Culture, Cognition and Coevolution, Department of Human Evolutionary Biology, Harvard University, 2015

Preferences for facial averageness and familiarity in hunter-gatherers. Princeton University Neuroscience and Social Decision Making (NSDM) talk series. Princeton, NJ, 2015

What can hunter-gatherers tell us about the origins of human social, economic and attractiveness preferences? Department of Psychology, Union College, Schenectady, NY, 2015

Sociality and Cooperation in Hadza hunter-gatherers. Jissen Women's University, Tokyo, Japan, 2015

Economic risk preferences. Adaptive-Mind, Adaptive-Body: The evolution of human behavior and its neuroendocrine regulation, Sicily, Italy, 2015

High levels of rule bending in a minimally religious foraging population. Cultural Evolution of Religion Consortium, McGill University, Montreal, Canada, 2015

Sociality and cooperation in Hadza hunter-gatherers. Biology and Economics Conference, Simon Fraser University, Vancouver, Canada, 2015

Insights into the origins of human preferences: Data from hunter-gatherers. George Mason University, Interdisciplinary Center for Economic Science, Arlington, VA, 2015

Human behavioral origins: Insights from hunter-gatherers. Nipissing University, North Bay, Canada, 2014

Economic risk preferences: Culture and biology. University of Chicago, Department of Psychology Development Group, Chicago, IL, 2014

The evolutionary origins of preferences and biases: Data from hunter-gatherers. Society for Neuroeconomics, International Workshop, Sicily, Italy, 2014

Sociality and cooperation in Hadza hunter-gatherers. Yale University, Psychology Development Seminar, New Haven, CT, 2014

Hadza religiosity and prosociality. Center for Human Evolution, Cognition and Culture. University of British Columbia, Vancouver, Canada, 2014

Does size matter? The role of vocal cord length and thickness in human mate choice. Franklin Institute's Science Festival on Lust, Love and Loathing, Philadelphia, PA, 2014

Understanding the Origins of Social, Economic and Attractiveness Preferences: Lessons from Hunter-Gatherers. University of Chicago, Department of Psychology, Chicago, IL, 2014

Hunting success and upper-body strength in hunter-gatherers. University of Pennsylvania, Departments of Genetics and Biology (Tishkoff Lab), Philadelphia, PA, 2013

Sex differences in risk preferences and the adaptive nature of testosterone. Toulouse 1 University Capitole, Institute of Advanced Studies, Toulouse, France, 2013

Origins of Economic, Social, and Attractiveness Preferences: Insights from Hadza Hunter-Gatherers. University of Nevada, Las Vegas, Department of Anthropology, Las Vegas, NV, 2013

Understanding the Origins of Social, Economic and Attractiveness Preferences: Lessons from Hunter-Gatherers. University of Delaware, Department of Psychology, Newark, DE, 2013

Understanding the Origins of Social, Economic and Attractiveness Preferences: Lessons from Hunter-Gatherers. University of Pennsylvania, Center for Cognitive Neuroscience, Philadelphia, PA, 2013

What can hunter-gatherers tell us about the origins of human social, economic and attractiveness preferences? University of Pennsylvania, Wharton School of Business, Decision Processes, Philadelphia, PA, 2013

Hunter-gatherer social networks and the evolution of cooperation. Northwestern University, Kellogg School of Management, Institute on Complex Systems, Evanston, IL, 2013

Social networks and cooperation in hunter-gatherers. Templeton Foundation, Conference on the Science of Generosity, Philadelphia, PA, 2012

The evolutionary origins of attractiveness, social and economic preferences. Toulouse 1 University Capitole, Institute of Advanced Studies, Toulouse, France, 2012

Hadza hunter-gatherers and evolution of economic preferences. Booth School of Business, Milton Freidman Institute Conference on the Biological Basis of Economic Preferences and Behavior, Chicago, IL, 2012

Economic risk-taking, testosterone and sex differences. Columbia University, Center for Research on Environmental Decisions, New York, NY, 2012

Hunter-gatherer economics. University of Chicago, Department of Economics, Gary Becker's Rational Choice Workshop, Chicago, IL, 2012

What can hunter-gatherers tell us about the origins of social, economic and attractiveness preferences? Stony Brook University, Department of Anthropology, Stony Brook, NY, 2012

What can hunter-gatherers tell us about the origins of social, economic and attractiveness preferences? UCSD, Department of Psychology, San Diego, CA, 2012

Social networks and cooperation in hunter-gatherers. University of British Columbia, Human Evolution, Culture and Cognition Consortium, Vancouver, Canada, 2011

The evolutionary origins of behavioral biases and preferences: The endowment effect. Olin Business School, Washington University, St. Louis, MO, 2011

Isolated hunter-gatherers do not show a preference for owned items. New York University, Center for Neuroeconomics, New York, NY, 2011

Using traditional populations to understand social networks. Harvard University, Radcliffe Institute for Advanced Study, Social Networks in Small-Scale Societies, Cambridge, MA, 2010

Understanding the natural origins of financial risk-taking. University of California, Davis, Workshop on Neuroeconomics & Endocrinological Economics, Davis, CA, 2009

On the evolutionary significance of human preferences: From attractiveness to risk. Harvard Medical School, Department of Health Care Policy, Boston, MA, 2009

Attractiveness preferences in hunter-gatherers: Explorations of the face, body and voice. Massachusetts General Hospital, Psychiatric Genetics and Translational Research Group, Boston, MA, 2009

From attractiveness to risk: The evolutionary significance of human preferences. Cambridge University, Cambridge, England, 2009

The evolutionary psychology of physical attractiveness in Hadza foragers: Explorations of the face, body and voice. Pennsylvania State University, Department of Anthropology, State College, PA, 2009

Attractiveness preferences in hunter-gatherers: Implications for evolutionary theory. Research Institute for Industrial Economics: Stockholm, Sweden, 2008

Cross-cultural preferences for attractiveness and their evolutionary significance: Lessons from Hadza hunter-gatherers. McGill University, Department of Anthropology, Montreal, Canada, 2008

CONFERENCE PRESENTATIONS

High levels of rule bending in a minimally religious hunter-gatherer population. Society for Personality and Social Psychology, San Diego, CA, 2016

Evolutionary origins of the endowment effect. Society for Judgment and Decision-Making, Seattle, WA, 2012

Isolated hunter-gatherers do not display the endowment effect. Human Evolution and Behavior Society, Montpellier, France, 2011

Cross-cultural preferences for attractiveness: Lessons from Hadza hunter-gatherers. Northeastern Evolutionary Psychology Society: Manchester, NH, 2008

Cross-cultural preferences for averageness in faces. Human Evolution and Behavior Society, Williamsburg, VA, 2007

Waist-to-hip ratio: A profile view. Evolution and Human Behavior Society, Philadelphia, PA, 2006

The story of Average Joe and Plain Jane. Northeast Biological Anthropology Symposium, Cambridge, MA, 2006

Men's reproductive investment decisions: mating, parenting and self-perceived mate value. Human Behavior and Evolution Society Annual Meeting, Austin, TX, 2005

Mate fidelity, paternal resemblance and mate value predict paternal investment. New England Biological Anthropology Symposium, New Haven, CT, 2004

Paternity and parental investment in human males. Human Behavior and Evolution Society, Lincoln, NE, 2003

SELECTED MEDIA COVERAGE

NPR (Morning Edition; Here and Now; All Things Considered), New York Times, BBC news, CNN, The Daily Telegraph, The Times (UK), The Boston Globe, New Scientist, Forbes

MENTORSHIP

Graduate Students

Megan Williams (2015- current) *Submitted NSF Graduate Research Fellowship Program*

Kristopher Smith (2013-current) Co-advising with Robert Kurzban

Kelly Allred (2015-current) Dissertation Committee

Master's Thesis Committees

Fatima Aboul-Seoud (2015)

Izabela Milaniak (2015)

Xuan Gao (2014)

Senior Honor's Thesis

Deepa Lakshmin (2013-2014) *Recipient, College Alumni Society Board of Managers and President's Undergraduate Research Grant, University of Pennsylvania*

Undergraduate Thesis Advisor

Hannah Morse (2015-2016) *Recipient, College Alumni Society Board of Managers and President's Undergraduate Research Grant, University of Pennsylvania*

Dylan Manfredi (2015-2016) *Recipient, College Alumni Society Board of Managers and President's Undergraduate Research Grant, University of Pennsylvania*

Geoffrey Cloud (2015-2016)

Sonya Latycheva (2015-2016)

Adrian White (Spring 2015)

Alyssa Navarro (Spring 2015)

Paloma Santana (Spring 2015)

Hannah Samaha (Spring 2015)

Juan Cardenas (2014 - 2015)

Katie Parra (Spring 2014)

Phoebe Deards (Fall 2014)

Stephanie Johnson (Fall 2014)

Research Assistants

Yevgeniy Olkhov (2015-2016)

Benjamin Gendelman (2015)

Kevin Hong (2015)

Victoria Tobolosky (2014-2015)

Carla De Simone Irace (2015)

Field Assistants

Deus Haraja (2006, 2010), Ibrahim Mabulla (2010, 2012, 2013), Charles Endeku (2013, 2014), Mika Peterson (2010)

Teaching Assistants

Alejandro Adler, Xuan Gao, Justin Landy, Chaz Lively, Emlen Metz, Kristopher Smith