

LEDA COSMIDES

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Focus of Research

Evolutionary psychology and cognitive science. Using evolutionary theory to develop computational theories of adaptive information-processing problems. Testing for presence of evolutionarily predicted information-processing mechanisms, their neural basis, and cultural sequelae. Empirical work focuses on cooperation, threat, coalitional psychology, kin detection, incest avoidance, intuitive statistics, computational approach to motivation.

Employment

- 2013- Distinguished Professor, Department of Psychological & Brain Sciences, University of California, Santa Barbara (UCSB)
- 2000- 2013 Professor, Department of Psychological & Brain Sciences, UCSB
- 1994-2000 Associate Professor, Dept. of Psychology, UCSB
- 1994- Affiliate, Dept. of Anthropology, UCSB
- 1994- Co-Director, Center for Evolutionary Psychology, UCSB
- 1991-1994 Assistant Professor, Dept. of Psychology, UCSB
- 1990-1991 Visiting Assistant Professor, Dept. of Psychology, UCSB
- 1989-1990 Fellow, Center for Advanced Study in the Behavioral Sciences. Stanford, CA.

Education

Harvard University

Cambridge, Massachusetts

A.B. Biology, 1979 (magna cum laude).

Advisor: Robert L. Trivers. Senior Honors Thesis: "Mental Rotation in Pigeons", R.J. Herrnstein, advisor.

A.M. Psychology, 1984.

Ph.D. Psychology, 1985. Department of Psychology & Social Relations.

Major: Cognition. Minors: Cognitive development, Evolutionary biology. Adviser: Sheldon H. White.

Stanford University

Stanford, California

Postdoctoral Scholar, Department of Psychology (1985-9).

Focus: Evolution and cognition. Adviser: Roger N. Shepard.

Honors

- 2016 **Lifetime Career Award for Distinguished Scientific Contribution, Human Behavior & Evolution Society**
- 2015 Elected Fellow, **The Society for Personality and Social Psychology**
- 2012 **Faculty Research Lecturer, UCSB** (highest honor UCSB faculty can bestow on one of their own members)
- 2006 **Templeton Fellow**, Arizona State University.

- 2005 Recipient, **NIH Director's Pioneer Award** (top 13 out of ~840 biomedical nominees)
- 2004 Finalist, **NIH Director's Pioneer Award** (top 21 out of 1300+ biomedical nominees)
- 1999-2000 Fellow, **John Simon Guggenheim Memorial Foundation.**
- 1998 **G. Stanley Hall Lecturer, American Psychological Association**
- 1995 Elected Fellow, **Association for Psychological Science**
- 1993 **American Psychological Association Distinguished Scientific Award for an Early Career Contribution to Psychology in the area of Human Learning /Cognition.**
- 1989-1990 Fellow, **Center for Advanced Study in the Behavioral Sciences**
- 1988 **American Association for the Advancement of Science Prize for Behavioral Science Research** (for *The logic of social exchange: Has natural selection shaped how humans reason?*)
- 1991 Fellow, **Zentrum fur interdisziplinäre Forschung, Universität Bielefeld, Germany** (Oct.-Dec.)
- 1985-1986 **National Research Service Award** (NIMH sponsored research training program; full support, Department of Psychology, Stanford University.)
- 1979 **Radcliffe Class Day Orator, Harvard University Commencement.**

Center for Evolutionary Psychology

(*Co-founder, Co-director*). The Center for Evolutionary Psychology at UCSB trains graduate students and other researchers, and coordinates research teams with expertise in evolutionary biology, psychology, anthropology, and neuroscience to identify (1) adaptive problems our hunter-gatherer ancestors faced, (2) the psychological mechanisms that evolved to solve these problems, (3) their neurological basis, and (4) how they generate culture and impose systematic patterns of social behavior both within and across cultures. In addition to research using experimental methods drawn from cognitive, social, and developmental psychology, as well as cognitive neuroscience and behavioral economics, the CEP has sponsored the Human Universals Project, which attempts to document psychological universals through coordinating parallel experimental studies cross-culturally, including at the Center's primary field site among the Shiwiar/ Achuar/ Shuar in the Amazonian rainforest of Ecuador. Center Fellows have included Steven Pinker (who wrote *How the Mind Works* during his year here) and Pascal Boyer (who worked on *Religion Explained: The evolutionary roots of religious thought*).

Conferences, Symposia, Institutions Organized; Special Appointments

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| 2015 | Conference co-organizer, <i>Morality: Cognitive and Evolutionary Origins</i> . July 29-August 1, 2015, Santiago, Chile. (19 speakers). Jointly sponsored by UCSB Center for Evolutionary Psychology and (from Santiago, Chile): Fundación Ciencia y Evolucion; Centro de Investigación en Complejidad Social (Center for Research on Social Complexity), Universidad del Desarrollo; Laboratory of Evolution and Interpersonal Relationships, Universidad de Santiago de Chile; Centro de Estudios Públicos (Center for the Study of Public Policy). |
| 2014 | Scientific Advisory Committee, Département d'Etudes Cognitives (Dept of Cognitive Studies), Ecole Normale Supérieure, Paris, France. |
| 2014 | Visiting scientist, Centro de Investigación en Complejidad Social (Center for Research on Social Complexity), Universidad del Desarrollo, Santiago, Chile. August 4-22, 2014. Co-sponsored by the Fundación Ciencia y Evolucion. |
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2013	Winter School on Evolutionary Psychology at Universidad del Desarrollo, August 5-13, 2013. (Six lectures, 2.5 hours each). Fundación Ciencia y Evolucion and Facultad de Gobierno, UDD.
2013	Fellow, Fundación Ciencia y Evolucion (Science and Evolution Foundation), Santiago, Chile.
2011	Co-organizer, Workshop on Human Nature and Social Institutions, April 3-5, 2011. Joint conference of the Center for Evolutionary Psychology (UCSB), the Center for Experimental Research in Social Sciences (Hokkaido University, Japan), and the Sage Center for the Study of the Mind (UCSB).
2009-2010	Consulting Editor, <i>Psychological Bulletin</i>
2008	Organizer, UCSB-UCLA Evolution, Mind, & Behavior Conference, November 8, 2008
2008	Co-organizer, Evolution and the Sociality of Mind conference, UCSB, February 23-24, 2008. Joint conference of the Center for the Sociality of Mind, Hokkaido, Japan, and the Center for Evolutionary Psychology, UCSB
2007-	Editorial Board, <i>Journal of Anthropological Psychology</i>
2007	Co-organized Inaugural 3UC Evolutionary Behavioral Sciences conference, Cal Poly San Luis Obispo, May 5-6, 2007. Joint project of UCSB, UCLA, and UC Davis
2006	Organizer, UCSB-UCLA Evolution, Mind, & Behavior Conference, November 4, 2006
2006	Organizer, UCSB-UCLA Evolution, Mind, & Behavior Conference, February 4, 2006
2005	Organizer, UCSB-UCLA Evolution, Mind, & Behavior Conference, May 7, 2005
2005	Organizer, UCSB-UCLA Evolution, Mind, & Behavior Conference, Nov 4, 2004
2004	Advisory Board, Institute of Cognition and Culture, Queens University, Belfast, Ireland
2004	Organizer, UCSB-UCLA Evolution, Mind, & Behavior Conference, Feb 7, 2004
2003	Organizer, UCSB-UCLA Evolution, Mind, & Behavior Conference, May 4, 2003
2002	Organizer, UCSB-UCLA Evolution, Mind, & Behavior Conferences, February 2, 2002, November 4, 2002
2001	Founding member, UCLA-UCSB Evolution, Mind, and Behavior Program (at UCLA: Human Nature and Society Program)
2001-	International Advisory Board, <i>Journal of Cognition and Culture</i>
1999	<i>Imagination and the Adapted Mind: The Prehistory and Future of Poetry, Fiction, and Related Arts</i> . (An international conference, UCSB August 24-29). Co-organizer (with Tooby and Hernadi).
1999-2006	Max Planck Society: Member, International Scientific Advisory Committee (<i>Beirat</i>) for the Max Planck Institute for Human Development, Berlin.
1998	1998 <i>McDonnell-Pew Summer Institute for Cognitive Neuroscience</i> . Co-organized 2-day session, "Evolutionary Approaches to Cognitive Neuroscience" (with Tooby)
1997-2006	Editorial Board, <i>Evolution and Human Behavior</i>
1995	1995 <i>Human Behavior & Evolution Society Meetings</i> , UCSB. Program Co-Chair (with Tooby), also Co-Host.
1995	Miniconference on Evolution, Memory, and Consciousness (UC Davis Center for Neuroscience). Co-organizer (with Tulving, Gazzaniga, & Tooby)
1994-	Center for Evolutionary Psychology, UCSB. Founded; also Co-Director.

1994	1994 <i>McDonnell-Pew Summer Institute for Cognitive Neuroscience</i> . Co-organized one week session, "Evolutionary Cognitive Neuroscience" (with Gazzaniga & Tooby)
1994	Max Planck Society, Presidential Committee Colloquium on Ethology/Anthropology, Heidelberg, Germany. Advised cmte on formation of 8 new Max Planck Institutes.
1993	1993 <i>McDonnell-Pew Summer Institute for Cognitive Neuroscience</i> . Co-organized 2-day session, "Evolutionary Approaches to Cognitive Neuroscience" (with Tooby)
1992-7	Editorial Board, <i>Cognition</i> .
1992-5	Governing board, <i>Human Behavior and Evolution Society</i>
1990-	The Psychonomic Society (elected member)
1990-4	Editorial Board, <i>Evolution and Cognition</i> .

Recent grants

2012-2015 *John Templeton Foundation*. Cooperation and valuing others: Evolutionary and emotional foundations. \$2,598,681 PI: Tooby, Co-PI: Cosmides

2010-2012 *National Science Foundation*. The hidden correlates of social exclusion. \$399,792 (\$273,000 direct). PI: Cosmides, Co-PI: Tooby

2005-2010 (extended to 2012). *NIH Director's Pioneer Award*. The architecture of human motivation: An evolutionary and computational approach. \$2,500,000 (direct)

Publications

Articles For PDFs visit <http://www.cep.ucsb.edu/publist.htm>

Cosmides, L. & Tooby, J. (1981). [Cytoplasmic inheritance and intragenomic conflict](#). *Journal of Theoretical Biology*, 89, 83-129.

Cosmides, L. (1983). [Invariances in the acoustic expression of emotion during speech](#). *Journal of Experimental Psychology: Human Perception and Performance*, 9, 864-881.

Cosmides, L. (1985). [Deduction or Darwinian Algorithms? An explanation of the "elusive" content effect on the Wason selection task](#). Doctoral dissertation, Harvard University. *University Microfilms #86-02206*.

Cosmides, L. & Tooby, J. (1987). [From evolution to behavior: Evolutionary psychology as the missing link](#). In J. Dupre (Ed.), *The latest on the best: Essays on evolution and optimality*. Cambridge, MA: The MIT Press.

Tooby, J. & Cosmides, L. (1988). [The evolution of war and its cognitive foundations](#). *Institute for Evolutionary Studies Technical Report #88-1*.

Tooby, J. & Cosmides, L. (1989). [Evolutionary psychology and the generation of culture, Part I. Theoretical considerations](#). *Ethology & Sociobiology*, 10, 29-49.

- Cosmides, L. & Tooby, J. (1989). [Evolutionary psychology and the generation of culture, Part II. Case study: A computational theory of social exchange](#). *Ethology & Sociobiology*, 10, 51-97.
- Tooby, J. & Cosmides, L. (1989). [The innate versus the manifest: How universal does universal have to be?](#) *Behavioral and Brain Sciences*, 12, 36-37. doi: 10.1017/S0140525X00024249
- Cosmides, L. (1989). [The logic of social exchange: Has natural selection shaped how humans reason? Studies with the Wason selection task](#). *Cognition*, 31, 187-276. doi: 10.1016/0010-0277(89)90023-1
- Tooby, J. & Cosmides, L. (1989). [Kin selection, genic selection, and information-dependent strategies](#). *Behavioral and Brain Sciences*, 12, 542-544. doi: 10.1017/S0140525X00057605
- Tooby, J. & Cosmides, L. (1989). [Adaptation versus phylogeny: The role of animal psychology in the study of human behavior](#). *International Journal of Comparative Psychology*, 2, 105-118.
- Tooby, J. & Cosmides, L. (1989). [Evolutionary psychologists need to distinguish between the evolutionary process, ancestral selection pressures, and psychological mechanisms](#). *Behavioral and Brain Sciences*, 12(4), 174-175. doi: 10.1017/S0140525X00025577
- Tooby, J. & Cosmides, L. (1990). [On the universality of human nature and the uniqueness of the individual: The role of genetics and adaptation](#). *Journal of Personality*, 58, 17-67. doi: 10.1111/j.1467-6494.1990.tb00907.x
- Tooby, J. & Cosmides, L. (1990). [The past explains the present: Emotional adaptations and the structure of ancestral environments](#). *Ethology and Sociobiology*, 11, 375-424. doi: 10.1016/0162-3095(90)90017-Z
- Tooby, J. & Cosmides, L. (1990). [Toward an adaptationist psycholinguistics](#). *Behavioral and Brain Sciences*, 13, 760-762.
- Cosmides, L. & Tooby, J. (1991). [Reasoning and natural selection](#). *Encyclopedia of Human Biology*, vol. 6. San Diego: Academic Press.
- Cosmides, L. & Tooby, J. (1992). [Cognitive adaptations for social exchange](#). In J. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture*. New York: Oxford University Press.
- Tooby, J. & Cosmides, L. (1992). [The psychological foundations of culture](#). In J. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture*. New York: Oxford University Press.

- Cosmides, L., Tooby, J. & Barkow, J. (1992). [Evolutionary psychology and conceptual integration](#). In J. Barkow, L. Cosmides, & J. Tooby (Eds.), *The adapted mind: Evolutionary psychology and the generation of culture*. New York: Oxford University Press.
- Cosmides, L. & Tooby, J. (1993). [The lords of many domains](#). *The Times Higher Education Supplement, London*. (June 25).
- Cosmides, L. & Tooby, J. (1994). [Origins of domain-specificity: The evolution of functional organization](#). In L. Hirschfeld & S. Gelman (Eds.), *Mapping the Mind: Domain-specificity in cognition and culture*. New York: Cambridge University Press.
- Cosmides, L. & Tooby, J. (1994). [Beyond intuition and instinct blindness: The case for an evolutionarily rigorous cognitive science](#). *Cognition*, 50, 41-77. doi: 10.1016/0010-0277(94)90020-5
Reprinted (2008) in *Reasoning: Studies of human inference and its foundations* (J. Adler & L. Rips, eds.), (pp. 843-865). NY: Cambridge University Press.
- Cosmides, L. & Tooby, J. (1994). [Better than rational: Evolutionary psychology and the invisible hand](#). *American Economic Review* (May), 327-332.
Reprinted (2009) in *Darwinism and Economics (International Library of Critical Writings in Economics series)*. (ed. Geoffrey M. Hodgson). Edward Elgar Publishing Ltd.
Reprinted (in press, 2016) in *Biological Economics (International Library of Critical Writings in Economics series)*. (eds. A. Lo, C. Harris, S. Harris, R. Zhang). Cambridge, MA: MIT Press.
- Cosmides, L. & Tooby, J. (Section editors). (1995). Section Introduction: Evolutionary approaches to cognitive neuroscience. In M. Gazzaniga (Ed.), *The cognitive neurosciences*. Cambridge, MA: MIT Press.
- Tooby, J. & Cosmides, L. (1995). [Mapping the evolved functional organization of mind and brain](#). In M. Gazzaniga (Ed.), *The cognitive neurosciences*. Cambridge, MA: MIT Press.
- Cosmides, L. & Tooby, J. (1995). [From function to structure: The role of evolutionary biology and computational theories in cognitive neuroscience](#). In M. Gazzaniga (Ed.), *The cognitive neurosciences*. Cambridge, MA: MIT Press.
- Cosmides, L. & Tooby, J. (1995). [From evolution to adaptations to behavior: Toward an integrated evolutionary psychology](#). In R. Wong (Ed.), *Biological perspectives on motivated activities*. Norwood, NJ: Ablex.
- Tooby, J. & Cosmides, L. (1995). [The language of the eyes as an evolved language of mind](#). Forward to: *Mindblindness: An essay on autism and theory of mind*. By Simon Baron-Cohen. Cambridge, MA: MIT Press.

- Cosmides, L. & Tooby, J. (1996). [Are humans good intuitive statisticians after all? Rethinking some conclusions of the literature on judgment under uncertainty.](#) *Cognition*, 58, 1-73. doi: 10.1016/0010-0277(95)00664-8
- Cosmides, L. & Tooby, J. (1996). [A logical design for the mind?](#) (Review of *The Psychology of Proof*, by Lance J. Rips, 1994 MIT Press.) *Contemporary Psychology*, 41, 448-450.
- Tooby, J. & Cosmides, L. (1996). [Friendship and the Banker's Paradox: Other pathways to the evolution of adaptations for altruism.](#) In W. G. Runciman, J. Maynard Smith, & R. I. M. Dunbar (Eds.), *Evolution of Social Behaviour Patterns in Primates and Man. Proceedings of the British Academy*, 88, 119-143.
- Cosmides, L. & Tooby, J. (1996). [Think again.](#) In: Betzig, L. (Ed.) *Human Nature: A Critical Reader* (pp. 292-294). NY: Oxford University Press
- Cosmides, L. & Tooby, J. (1997). [The multimodular nature of human intelligence.](#) In A. Schiebel & J. W. Schopf (Eds.), *Origin and evolution of intelligence*. Center for the Study of the Evolution and Origin of Life, UCLA. (pp. 71-101).
- Cosmides, L. & Tooby, J. (1997). [Dissecting the computational architecture of social inference mechanisms.](#) In: *Characterizing human psychological adaptations* (Ciba Foundation Symposium #208). Chichester: Wiley. (pp. 132-156).
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- Cosmides, L. & Tooby, J. (2000). [The cognitive neuroscience of social reasoning](#). In M. S. Gazzaniga (Ed.), *The New Cognitive Neurosciences, Second Edition*. Cambridge, MA: MIT Press. (Chapter 87, pp. 1259-1270.)
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Reprinted, 2005, in *Conceptual Issues in Evolutionary Biology*, Third Edition. E. Sober (Ed.). Cambridge, MA: MIT Press.
- Cosmides, L. & Tooby, J. (2000). [Introduction](#). Evolution, Section X (Chapters 80-87). In M. S. Gazzaniga (Ed.), *The New Cognitive Neurosciences, Second Edition*. Cambridge, MA: MIT Press. (pp. 1163-1166.)
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- Cosmides, L. & Tooby, J. (2000). [Consider the source: The evolution of adaptations for decoupling and metarepresentation](#). In D. Sperber (Ed.), *Metarepresentations: A multidisciplinary perspective*. (pp. 53-115.) Vancouver Studies in Cognitive Science. NY: Oxford University Press.
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- Tooby, J. & Cosmides, L. (2000). [Cognitive adaptations for kin-based coalitions: human kinship systems at the intersection between collective action and kin selection. Comment on Group Nepotism and Human Kinship by Doug Jones](#). *Current Anthropology*, 41(5), 803-804.
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Translated and reprinted, 2006 as “Schönheit und mentale Fitness: Auf dem Weg zu einer evolutionären Ästhetik” in *Heuristiken der Literaturwissenschaft (Heuristics in Literary Studies)*, U. Klein, K. Mellmann, & S. Metzger (Eds.). Paderborn, Germany: Verlag GmbH.
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- Klein, S. B., Cosmides, L., Tooby, J. & Chance, S. (2001). [Priming exceptions: A test of the scope hypothesis in naturalistic trait judgments](#). *Social Cognition*, 19, 443-468. doi: 10.1521/soco.19.4.443.20757
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- Klein, S., Cosmides, L., Tooby, J., & Chance, S. (2002). [Decisions and the evolution of memory: Multiple systems, multiple functions](#). *Psychological Review*, 109, 306-329. doi: 10.1037//0033-295X.109.2.306
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Reprinted, 2003 in *The Functional Mind*, D. Kenrick & C. Luce (Eds.). Columbus, Ohio: Allyn & Bacon.
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- Lieberman, D., Tooby, J. & Cosmides, L. (in press). The evolution of human incest avoidance mechanisms: An evolutionary psychological approach. In A. Wolf & J. P. Takala (eds.), *Evolution and the Moral Emotions: Appreciating Edward Westermarck*. Stanford, CA: Stanford University Press.
- Lieberman, D., Tooby, J. & Cosmides, L. (2003). [Does morality have a biological basis? An empirical test of the factors governing moral sentiments relating to incest](#). *Proceedings of the Royal Society London (Biological Sciences)*, 270, 819-826. doi: 10.1098/rspb.2002.2290
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- Cosmides, L., Tooby, J. & Kurzban, R. (2003). [Perceptions of race](#). *Trends in Cognitive Sciences* 7 (4), 173-179. doi:10.1016/S1364-6613(03)00057-3
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Books

Barkow, J., Cosmides, L. & Tooby, J., editors. (1992). *The adapted mind: Evolutionary psychology and the generation of culture*. New York: Oxford University Press.

Cosmides, L. & Tooby, J. (1995). Section editors, “Evolutionary Approaches”. *The cognitive neurosciences*, (M. S. Gazzaniga, Ed.). Cambridge, MA: MIT Press.

Cosmides, L. & Tooby, J. (2000). Section editors, “Evolution (Section X)”. *The new cognitive neurosciences, Second edition*, (M. S. Gazzaniga, Ed.). Cambridge, MA: MIT Press. Chapters 80-87: Tooby & Cosmides, Gallistel; Fernald & White; Sherry; Preuss; Baron-Cohen; Leslie; Cosmides & Tooby.

Cosmides, L. & Tooby, J. (forthcoming). *Universal Minds: Explaining the new science of evolutionary psychology*. (Darwinism Today Series). (originally with London: Weidenfeld & Nicolson; W&N was bought out, so in negotiations with UC Press and Oxford).

Tooby, J. & Cosmides, L. (forthcoming). *Evolutionary psychology: Foundational papers*. Cambridge, MA: MIT Press.

Keynote, Plenary, & Public Addresses

L.B.S. Leakey Foundation, California Academy of Sciences. Allen O'Brien Memorial Lecture (with Tooby): The evolution of human reasoning “instincts”. San Francisco, CA, November 5, 1992.

Tagung experimentell arbeitender Psychologen. Plenary Address: Evolutionary psychology. Munster, Germany, April 5, 1993.

Evolution and the Human Sciences (London School of Economics). Plenary address: The evolution of domain-specific reasoning. London, June 25, 1993.

Human Behavior and Evolution Society. Plenary Address (with Tooby): Cognitive adaptations for threat, cooperation and war. Binghamton, NY, August 6, 1993.

McDonnell-Pew Symposium on Cognitive Neuroscience. Rancho Santa Fe, CA, May 28, 1994. Plenary address (with Tooby): Cognitive neuroscience of social reasoning.

American Psychological Association. Los Angeles, CA, August, 1994. Distinguished Scientific Award Address: The emergence of evolutionary psychology.

Origin and Evolution of Human Intelligence. Center for the Study of Evolution and the Origin of Life, UCLA, March 15, 1996. Public Address (with Tooby): The multimodular nature of human intelligence.

The Wellcome Centre for Medical Science / Ciba Foundation. Characterizing Human Psychological Adaptations. London, England, November 1, 1996. Public Address: The anatomy of human reasoning instincts.

British Psychological Society. Edinburgh, Scotland, April 3, 1997. Keynote address: Evolutionary Psychology.

1996-1997 Jacob Marschak Interdisciplinary Colloquium on Mathematics in the Behavioral Sciences. UCLA, May 23, 1997. Public Address (with Tooby): Adaptation and evolution of decision-making processes and human reasoning.

American Medical Women's Association. Santa Barbara Chapter, June 17, 1998. Evolutionary psychology.

American Psychological Association. San Francisco, CA, August 1998. *G. Stanley Hall Lecture*: Evolutionary psychology.

Chilean Engineering Institute / Chilean Academy of Sciences. Santiago, Chile, October, 2001. *Neuvos Paradigmas a Comienzos del Tercer Milenio* (New Paradigms at the Beginning of the Third Millennium). Keynote address (with Tooby): "Evolutionary psychology: A new model for the social sciences".

Darden Graduate School of Business Administration, University of Virginia. Charlottesville, VA, April 20, 2002. Olsson Center for Applied Ethics, Biennial Ruffin Lectures: *Business, Ethics, and Science*. Ruffin Lecture: Breaking faith: The evolutionary psychology of moral reasoning and moral sentiments.

German Psychological Society (Kongress der Deutschen Gesellschaft für Psychologie), Humboldt University, Berlin, Germany, September 22-26, 2002. Keynote address – *The Wolfgang Köhler Memorial Lecture*: Cognitive adaptations for social exchange.

Rice University, Scientia Lecture. Houston, Texas, February 18, 2003. Scientia: an Institute for the History of Science and Culture. (Series topic: Evolutionary biology as paradigm science). Cognitive adaptations for social exchange.

American Neuropsychiatric Association. Bal Harbour, Florida. February 22, 2004. Evolutionary Psychology: Cognition, Emotion, and Adaptive Specializations. (Symposium on *Cognition, Emotion and the Interactive Brain.*)

The Psychology and Biology of Morality, Dartmouth. Hanover, NH, May 23, 2004. The evolutionary psychology of moral reasoning and moral sentiments.

Women Leaders in Science and Mathematics, Vassar College. Poughkeepsie, NY, February 17, 2005. Evolutionary psychology and the human mind.

Carol G. Simon Lecturer, John Dewey Honors Program, University of Vermont. Burlington, VT, April 13-14, 2005. April 13: Cognitive adaptations for social exchange. April 14: Can race be erased? Coalitional psychology and social categorization.

Evolutionary Psychology Colloquium Series, Purdue University. West Lafayette, IN. April 29, 2005. Cognitive adaptations for social exchange.

Human Behavior and Evolution Society. Plenary Address (with Tooby): The Functional Architecture of Human Motivation. Austin, Texas, June 3, 2005.

Western Psychological Association. Invited address: Can race be erased? The evolutionary psychology of coalitional alliances and social categorization. Palm Springs, CA, April 28, 2006.

XI Brazilian Symposium on Research and Scientific Exchange in Psychology. Plenary address: Can race be erased? The evolutionary psychology of coalitional alliances and social categorization. Florianopolis (Santa Catarina), Brazil. May 16, 2006.

Symposium on Cultural and Adaptive Bases of Human Sociality (*Hokkaido University Center for the Study of the Ecological Foundations of the Mind*). Keynote address: Cognitive adaptations for social exchange. Tokyo, Japan. September 9, 2006.

Transhumanism and Human Nature, Templeton Foundation. Templeton Fellow, Public address: Are we already transhuman?: Evolutionary psychology and human nature. Arizona State University, Tempe, AZ, October 10, 2006.

2007 Martin F. Fritz Lecture, Department of Psychology, Iowa State University. Public address: Cognitive adaptations for social exchange. April 3, 2007.

Human Mind, Human Kind: Interdisciplinary Conference on Human Characteristics (University of Aarhus, Aarhus, Denmark). Keynote address: Cognitive adaptations for social exchange. August 16, 2007.

Celebrating 200 Years of Darwin, Rutgers University. (Rutgers Dept of Psychology and Undergraduate Education Program, New Brunswick, New Jersey). Darwin address: Evolutionary psychology and Darwin's dream (with Tooby). February 9, 2009.

Darwin's Intellectual Legacy to the 21st Century. Fundación Ciencia y Evolución (Foundation for Science and Evolution), Santiago, Chile. Plenary address: Evolutionary Psychology. September 7, 2009.

Zurich-Minds. Zurich, Switzerland (Sept 16, 2010). Evolutionary psychology and human nature (Cosmides & Tooby)

Sixth Annual NIH Director's Pioneer Award Symposium, National Institutes of Health, Bethesda, MD (Sept 30-Oct 1, 2010). The architecture of human motivation: A computational and evolutionary functional approach. (Cosmides & Tooby, with Andy Delton, Aaron Sell, Julian Lim, Daniel Sznycer, Tess Robertson, & Debra Lieberman)

Yale University Department of Psychology, Donald W. Taylor Memorial Colloquium. New Haven, CT, March 23, 2011. The architecture of motivation: A computational and evolutionary-functional approach. (Cosmides & Tooby).

5th Tinbergen Institute Conference. The nature of preferences and decision-making. Amsterdam, Netherlands (Sept 24-25, 2010). Cognitive adaptations for social exchange.

Counterintelligence Division Behavioral Analysis Program, Federal Bureau of Investigation. Quantico, Virginia (August 25, 2010). Gaining trust and cooperation: New insights from evolutionary psychology.

Edge Master Class 2011: The science of human nature. Napa, CA (July 15-17). The architecture of human motivation.

Research Society on Alcoholism. San Francisco, CA (June 26, 2012). Plenary Address: The architecture of human motivation: An evolutionary and computational approach.

Mont Pelerin Society and Universidad San Francisco de Quito. San Cristobal, Galapagos Islands, Ecuador (June 25, 2013). *Evolution, the Human Sciences, and Liberty*. Plenary Address: Reciprocity and the Welfare of Others.

Human Behavior and Evolution Society. Miami, Florida (July 20, 2013). Keynote address: Evolutionary psychology: Back to the future. (Tooby & Cosmides)

Centro de Estudios Públicos (Center for the Study of Public Policy). Santiago, Chile. (August 7, 2013). Public address: Why don't people appreciate the invisible hand?: Reciprocity and the welfare of others.

First Chilean and Latin-American Meeting on Evolutionary Psychology, Santiago de Chile. November 21, 2014. Keynote address: Can race be “erased”? Evolutionary psychology, alliance detection, and culture. (Cosmides, Tooby)

Reason Foundation. Reason Weekend, Santa Barbara, CA. March 13, 2015. Public address: Evolutionary psychology in the modern world: Appetites, illusions, and what works. (Cosmides, Tooby)

Colloquia and Conference Papers (*selected*)

Human Behavior & Evolution Society, 28th Annual Meeting, Vancouver, Canada. June 29-July 1, 2016.

- (a) Modeling cultural evolution requires evolutionary psychology (Cosmides & Tooby)
- (b) Can a multi-modular mind make consistent moral judgments? (Guzmán, Barbata, Sznycer, Cosmides)
- (c) Evolved psychology distinctly tracks willingness and ability to protect. Poster. (Arai, Barlev, Cosmides, Tooby)

Society for Personality and Social Psychology, San Diego, CA. January 30, 2016. *Symposium: Big questions in evolutionary science and what they mean for social-personality psychology.*

Talk title: Psychologists will answer the big questions for evolutionary theorists.

<https://osf.io/asn2h/>

Imagination Institute Psychology Retreat, Philadelphia, PA. November 20-22, 2015. Workshop participant. Organized by Martin Seligman, University of Pennsylvania.

Morality: Cognitive and Evolutionary Origins, Santiago, Chile. July 29-August 1, 2015. What questions do people ask in moral psychology?

Adapted Mind-Adapted Body: The Evolution of Human Behavior and its Neuroendocrine Regulation. “Ettore Majorana” Centre for Scientific Culture, Erice, Sicily, Italy. June 18-22, 2015. The architecture of motivation: An evolutionary and computational approach.

Human Behavior & Evolution Society, 27th Annual Meeting, Columbia, MO. May 27-30, 2015.

- (a) The nonsocial and social evolution of causal construal. (Tooby & Cosmides).
- (b) Adjustment of sanctioning effort among punisher in a public goods game. (Kim, Tooby, Cosmides)
- (c) Cortisol and the evolved design of anger and guilt. (Robertson, Delton, Cosmides, Tooby)
- (d) The logic of variation in social antagonism. (Sznycer, Tooby, Cosmides)

Liberty, Violence, and Social Orders. New Orleans, LA. April 16-19, 2015. Liberty Fund Workshop participant.

Evolutionary Psychology Preconference, Society for Personality and Social Psychology. Long Beach, CA. February 26, 2015. Can race be “erased”? Evolutionary psychology, alliance detection, and culture. (Cosmides, Tooby)

Instituto de Ecología y Biodiversidad (Institute for Ecology and Biodiversity), University of Chile. November 17, 2014. Cognitive adaptations for social exchange.

Center for Behavior, Evolution, and Culture, UCLA. October 27, 2014. Erasing race in California and Brazil: Racial categorization varies systematically across seven Brazilian states. (Cosmides, Tooby)

Centro de Investigación en Complejidad Social (Center for Research on Social Complexity), Facultad de Gobierno, Universidad del Desarrollo, Santiago, Chile. August 20, 2014. Evolutionary psychology and the design of human reasoning: Cognitive adaptations for social exchange.

Facultad de Humanidades, Universidad de Santiago de Chile. August 19, 2014. Why don't people appreciate the invisible hand?: Reciprocity and the welfare of others.

Centro de Investigación en Complejidad Social (Center for Research on Social Complexity), Universidad del Desarrollo, Santiago, Chile. August 18, 2014. Graduate workshop: Methods in evolutionary psychology.

Centro de Investigación Avanzada en Educación (Center for Advanced Research on Education), Universidad de Chile, Santiago, Chile. August 14, 2014. Cognitive adaptations for social exchange.

Human Behavior & Evolution Society, Natal, Brazil. July 30-August 2, 2014.

- (1) Erasing race in Brazil: Racial categorization varies systematically with patterns of social alliance across seven Brazilian states. (Cosmides, Yamamoto, Pietraszewski, Cosentino, Seidl-de-Moura)
- (2) Interpersonal foundations of economic redistribution: The roles of compassion and envy. (Lopez Seal, Sznycer, Lim, Sell, Tooby, Cosmides, Halperin, Shalvi, Porat)
- (3) Inputs of shame. (Sznycer, Tooby, Cosmides)
- (4) Predatory rationality, program parameterization, and variation in fitness regimes. (Tooby, Sznycer, Cosmides)

Central European University Summer School, Budapest, Hungary. June 23-30, 2014. Topic: Morality: Evolutionary Origins and Cognitive Mechanisms. Class 1: The architecture of human motivation (Cosmides, Tooby). Class 2: Against morality (Tooby, Cosmides).

Winter School on Evolutionary Psychology, Santiago, Chile. August 5-13, 2013. (Six lectures, 2.5 hours each). Universidad del Desarrollo (Facultad de Gobierno) & Fundación Ciencia y Evolucion. (Faculty of Government, University of Development and Science and Evolution Foundation).

Human Behavior and Evolution Society, Miami, Florida (July 17-20, 2013).

- (1) Punishment and the evolution of group cooperation in the absence of higher-order levels of selection. (Delton, Krasnow, Cosmides, Tooby)
- (2) Conditional punishment depends not only on how it affects free riders but also how fellow cooperators act. (Kim, Tooby, Cosmides)
- (3) You'd better not treat ME that way! Third party punishment may not be what you thought. (Krasnow, Delton, Cosmides, Tooby)
- (4) Cognitive adaptations for the delivery of information: The case of spontaneous confession to a victim. (Sznycer, Schniter, Tooby, Cosmides)

Instituto Ecuatoriano de Economía Política (Ecuadorian Institute for Political Economy). Guayaquil, Ecuador. (June 22, 2013). International seminar on *Culture and Institutions: The Evolution of Ideas. In memoriam of James Buchanan*. Talk: "Evolved intuitions shape cultural transmission about public policy".

University of California, Irvine, Department of Ecology and Evolutionary Biology. Irvine, CA (April 26, 2013). Cognitive adaptations for social exchange.

Dartmouth College, Department of Psychological & Brain Sciences. Hanover, NH (February 22, 2013). The architecture of motivation.

Northeastern University, Department of Psychology. Boston, MA (February 21, 2013). The architecture of motivation.

Human Behavior & Evolution Society, Albuquerque, New Mexico (June 13-17, 2012).

- (1) The psychosemantics of free riding: Dissecting the architecture of a moral concept (Delton, Cosmides, Guemo, Robertson, Tooby)
- (2) Collective sanctioning of collective action (Kim, Tooby, Cosmides).
- (3) Race as coalitional byproduct: The state of the art (Pietraszewski, Cosmides, Tooby)
- (4) The context of rejection: Distinct motivations for social exclusion lead to distinct response patterns (Robertson, Delton, Cosmides, Tooby)
- (5) Cross-cultural differences and similarities in proneness to shame: An adaptationist and ecological approach (Sznycer, Takemura, Delton, Sato, Robertson, Cosmides, Tooby)

American Political Science Association, Seattle, Washington (Sept. 2011). The Risk Contract of War: Offense and Defense in the Adapted Mind. (Lopez, Cosmides, McDermott, Tooby).

Human Behavior & Evolution Society, Montpellier, France (June 29-July 3, 2011).

- (1) Who's one of us? Erasing race with social class (Cosmides, Altshteyn, Tooby)
- (2) Coalition first, beliefs second: what accounts for the content of political issues? (Tooby & Cosmides)
- (3) The more you value me, the more I value you: welfare tradeoff ratios, emotions and reciprocity. (Lim, Sznycer, Delton, Robertson, Cosmides & Tooby)
- (4) Burning down the house: Punishers just want to punish (Kim, Tooby & Cosmides)
- (5) Social exclusion as a cue to social value (Robertson, Delton, Sznycer, Tooby & Cosmides)

- (6) The grammar of disgrace: The psychology of shame is domain-specific and closely tracks the psychology of social valuation. (Sznycer, Tooby & Cosmides)
- (7) Obligated to contribute? The effects of excludability on obligations in collective action (Delton, Nemirow, Robertson, Cimino & Cosmides)
- (8) What second-order free rider problem? (Krasnow, Delton, Tooby & Cosmides)

Counterintelligence Division Behavioral Analysis Program, Federal Bureau of Investigation. Quantico, Virginia (August 25, 2010). Gaining trust and cooperation: New insights from evolutionary psychology.

Human Behavior & Evolution Society, University of Oregon, Eugene, OR (June 16-20, 2010)

- (1) Follow the Leader: Endorsement as a cue of political coalition (Curry, Petersen, Tooby, Cosmides).
- (2) Your life or mine? Reported welfare tradeoff ratios when the currency is survival (Kim, Tooby, Cosmides).
- (3) What are punishment and reputation for? Critical tests. (Krasnow, Pedersen, Tooby, Cosmides).
- (4) X-raying the soul: Cheater detection is designed to look for guilty minds (Cosmides, Barrett, Tooby).
- (5) Moral warfare: Group cooperation and the invention of the moral domain. (Tooby, Cosmides).
- (6) The ancestral logic of politics: Fighting ability and resource level shape attitudes about income distribution. (Sznycer, Petersen, Sell, Cosmides, Tooby).
- (7) A Psychological and Anthropometric Study of Social Support and Risk Reduction in Humans (Robertson, Delton, Tooby, Cosmides).

In the Light of Evolution IV: The Human Condition, National Academy of Sciences (Arthur M. Sackler Colloquium), December 10-12, 2009. Whence intelligence? (Cosmides & Tooby).

The International Society for Political Psychology, Dublin, Ireland, July 14-17, 2009. Why Deservingness? Evolved Emotions and Deservingness Judgments in Welfare Opinion. (Petersen, Tooby, Cosmides)

Summer Institute in Cognitive Neuroscience, University of California, Santa Barbara, June 22, 2009. Can race be erased? The evolutionary psychology of coalitional alliances and social categorization.

Human Behavior & Evolution Society. California State University, Fullerton, CA (May 27-31, 2009)

- (1) I will only know that our interaction was one-shot if I kill you: A cue theoretic approach to the architecture of cooperation (Tooby, Krasnow, Delton, Cosmides)
- (2) Regularities of the ancestral world exploitable for cooperation: Why I always remember a face (Krasnow, Delton, Tooby, Cosmides)
- (3) Combining ancestral cue structure with direct reciprocity explains one-shot cooperation. (Delton, Krasnow, Tooby, Cosmides)

- (4) The role of welfare tradeoff ratios in reciprocity (Lim, Sznycer, Delton, Robertson, Tooby, Cosmides)
- (5) Jealousy and the threat of being replaced: Friendship and the banker's paradox (Burkett, Cosmides, Tooby)
- (6) Mapping the "grammar" of anger-based arguments (Sell, Cosmides, Tooby)
- (7) The regulatory theory of shame (Sznycer, Tooby, Cosmides)

Rutgers University Center for Cognitive Science Colloquium, Rutgers University (Busch Campus), New Brunswick, NJ. February 10, 2009. The architecture of human motivation: An evolutionary and computational approach (with Tooby).

Endogenous Factors in Social Decision-making: Emotions, genetic influence, and beyond. Workshop, Center for Advanced Study in the Behavioral Sciences, Stanford, CA, December 11-13, 2008. (1) Can race be erased? Evolutionary psychology and coalitional alliances; (2) Outrage and coalitional psychology (with Tooby).

Human Behavior and Evolution Society. Kyoto, Japan (June 4-8, 2008).

- (1) Evolutionizing the study of conceptual knowledge (Krasnow, Truxaw, Cosmides, Tooby)
- (2) Adaptations for computing personality traits: co-evolved functions of episodic recall and summary representations (Cosmides, Klein, Tooby)
- (3) The welfare tradeoff system as an adaptation for integrated allocational decision-making (Tooby, Cosmides, Sell, Delton, Sznycer, Lim, Robertson)
- (4) An evolved internal regulatory variable for making welfare tradeoffs (Delton, Robertson, Sznycer, Lim, Cosmides, Tooby)
- (5) Emotions and the recalibration of welfare tradeoff ratios: gratitude as a case study (Lim, Sznycer, Delton, Robertson, Cosmides, Tooby)
- (6) Humans accurately estimate others' welfare tradeoff ratios (Sznycer, Lim, Delton, Robertson, Tooby, Cosmides)

Evolution, Culture, and Human Behavior: Perspectives from Different Disciplines. UC Irvine, May 10-11, 2008. Natural selection never sleeps: How coordinative selection builds species-typical design within a shifting matrix of transient and stable genetic variation (with Tooby).

66th Midwestern Political Science Association Annual National Conference. Chicago, IL, April 3-6, 2008. Politics in the evolved mind: Political parties and coalitional reasoning. (Petersen, Delton, Robertson, Tooby, Cosmides)

Institute for Humane Studies, Social Change Workshop. UC Berkeley, March 29, 2008. *Workshop theme: Behavior, Development, and Institutions.* Human nature and society: Using evolutionary psychology to understand institutions.

Southwest Economic Theory Conference, University of California, Santa Barbara. March 1, 2008. The architecture of kin detection: Internal regulatory variables and economic theory (with Tooby).

Evolution, Cognition, and Culture Project (Templeton Foundation). Johns Hopkins University, November 30, 2007. *Theme: The Moral Circle*. November 30, 2007. How do we treat people within the moral circle?

Human Behavior and Evolution Society, College of William & Mary, Williamsburg, VA, May 30-June 3, 2007.

- (1) Do humans have an evolved “Theory of Group Mind”? (Tooby & Cosmides)
- (2) Recalibrational emotions and welfare trade-off ratios: Cooperation in anger, guilt, gratitude, pride and shame. (Sznycer, Gibson Price, Tooby, Cosmides)
- (3) Is “Accent” a dedicated dimension of agent representation? (Pietraszewski, Schwartz, Cosmides, Tooby)
- (4) Violent Yells Dissected: Physical Strength is Revealed in the Voice and Enhanced during Anger. (Sell, Tooby, Cosmides)
- (5) Regulation of Resource Division by Coalitional Status (Ermer, Cosmides, Tooby)
- (6) Welfare Tradeoff Ratios and Social Support (Poster). (Sznycer, Gibson Price, Tooby, Cosmides)

Iowa State University, Department of Psychology. (i) The architecture of human motivation: A computational and evolutionary-functional approach. (ii) Can race be erased? Evolutionary psychology and coalitional alliances. Ames, Iowa, April 2, 2007.

Arizona State University, Psychology Department Colloquium. Can race be erased? Evolutionary psychology and coalitional alliances. Tempe, AZ, October 12, 2006.

Transhumanism and Human Nature Colloquium Templeton Foundation. Arizona State University, Tempe, AZ. Cognitive adaptations for social exchange: A case study in examining human nature. October 9, 2006.

Second Annual NIH Director’s Pioneer Award Symposium. National Institutes of Health, Bethesda, MD. Evolution, Computation, and Human Motivation. September 19, 2006.

Kyoto University, Graduate School of Human and Environmental Studies. Colloquium: Can race be erased? Evolutionary psychology and coalitional alliances. Kyoto, Japan, September 5, 2006.

Institute for Humane Studies, Social Change Workshop. Stanford University, Stanford, CA, June 25, 2006. *Theme: Human Nature and Social Change*. Lecture #1: Human nature and society: Using evolutionary psychology to understand institutions. Lecture #2: The evolutionary psychology of coalitions and collective action.

Human Behavior and Evolution Society, University of Pennsylvania, Philadelphia, PA, June 7-11, 2006. Papers presented:

- (1) The role of “outrages” in the evolved psychology of intergroup conflict. (with Tooby & Thrall)
- (2) Anger expressions dissected: Why does his face look like that? (with Sell & Tooby).

- (3) Free riders and incompetents: Psychologically distinct categories. (with Delton, Robertson, & Tooby)
- (4) 'Erasing race' with cooperation: Tracking down the dynamics of social alliance representations. (with Pietraszewski & Tooby)
- (5) Fractionating the visual architecture for natural category recognition using the 'attentional blink' paradigm. (with New & Tooby)

State University of São Paulo: Psychology Colloquium. São Paulo, Brazil. Cognitive adaptations for social exchange. May 15, 2006.

Federal University of Rio de Janeiro: Psychology Colloquium. Rio de Janeiro, Brazil. Cognitive adaptations for social exchange. May 12, 2006.

Harvard University: Psychology Colloquium. Cambridge, MA, February 8, 2006. Can race be erased? The evolutionary psychology of coalitional alliances and social categorization.

Institute for Humane Studies, Social Change Workshop. University of Virginia, Charlottesville, VA, June 19, 2005. *Theme: Human Nature and Social Institutions.* Lecture #1: Human nature and society: Using evolutionary psychology to understand institutions. Lecture #2: Human nature and social change: The evolutionary psychology of coalitions and collective action.

Human Behavior and Evolution Society, University of Texas, Austin, TX, June 1-5, 2005. Papers presented:

- (1) Character counts: Character information regulates trust in economic games (with Krasnow & Tooby)
- (2) Are computational adaptations for reasoning about social exchange and precautions neurally as well as functionally distinct? An fMRI study (with Ermer, Tooby, Guerin, & Miller)
- (3) Physical strength predicts entitlement, anger, and attitudes toward aggression in men. (with Sell & Tooby)

Workshop in Political Theory and Policy Analysis, Indiana University. Bloomington, IN. April 28, 2005. Can race be erased? Evolutionary psychology, coalitional alliances, and categorization.

Reason Foundation. Laguna Niguel, CA. April 1, 2005. Human nature and social change: The evolutionary psychology of coalitions and collective action (with Tooby).

Olin School of Business, Washington University in St. Louis. St. Louis, MO, April 15, 2004. *Organizational Behavior Workshop.* Evolutionary psychology and organizational behavior.

Heuristics and the Law, Dalhem Conference, Max Plank Society. June 6-11, 2004. Evolved moral sentiments and the law. (Working group: *The role of heuristics in making law*).

Kavli Institute for Theoretical Physics. University of California, Santa Barbara. October 29, 2003. Coalitional psychology and social categorization (with Tooby).

Human Behavior and Evolution Society, University of Nebraska, Lincoln, Nebraska, June 4-8, 2003. Papers presented:

- (4) Elements of a Darwinian theory of Lamarckian inheritance (with Tooby)
- (5) The asymmetric war of attrition and human anger (with Sell & Tooby)
- (6) Evidence for domain-specificity of trait attribution: Replication and extension (with Burkett & Kirkpatrick)

Society for Personality and Social Psychology, Evolutionary Psychology Preconference. Los Angeles, CA, February 6, 2003. Can race be erased? Coalitional computation and social categorization. (with Tooby and Kurzban)

German Psychological Society (Kongress der Deutschen Gesellschaft für Psychologie), Humboldt University, Berlin, Germany, September 22-26, 2002. Panel discussant: Evolutionary psychology: A revolutionary paradigm?

Minary 2002, Person Construal, Dartmouth College, New Hampshire, August 8-11. Paper presented: Can race be erased? Coalitional computation and social categorization.

Human Behavior and Evolution Society, Rutgers University, New Jersey, June 19-23, 2002. Papers presented:

- (1) Are there cognitive adaptations for learning about one's own personality: Neuropsychological evidence for specialized learning, storage, and retrieval systems. (with Klein & Tooby)
- (2) The evolution of collective action: An adaptationist dissection. (with Tooby)

Institute for Humane Studies Social Change Workshop for Graduate Students, University of Virginia, Charlottesville, VA., June 15-21, 2002. Human Nature and Social Change. Paper presented: The evolutionary psychology of coalitions and collective action

Biological Bases of Behavior: Adaptations and Mechanisms, National Autonomous University of Mexico and Autonomous University of Tlaxcala (Bases Biológicas de la Conducta: Adaptaciones y Mecanismos, Universidad Nacional Autónoma de México and Universidad Autónoma de Tlaxcala), Tlaxcala, Mexico, May 16-18, 2002. Paper presented: Cognitive adaptations for social exchange.

Human Behavior and Evolution Society, University College London, London, UK, June 13-17, 2001. Papers presented:

- (1) Decisions and the evolution of multiple memory systems: Using personality judgments to test the scope hypothesis (with Klein, Tooby, & Chance)
- (2) Why attribute personalities to persons? The regulation of social reasoning by information about behavior in evolutionary games (with Tooby & Sell)
- (3) Does it pay to interfere? An investigation of whether individuals are sensitive to the different costs associated with inbreeding within the family (with Lieberman & Tooby)

Knowledge, Social Change, and Economic Performance. Core member. Workshops 1-3. October, 2000 (Airlie Center, VA), December 2000 (Washington University, St. Louis), February 2001 (Stanford University, CA). Organized by Douglass North (Nobel laureate in Economics), the Mercatus Center (Arlington, VA), and the Stanford KNEXUS project.

Human Behavior and Evolution Society, Amherst, MA, June 7-11, 2000. Papers presented:
(1) Social exchange: Converging evidence for special design (with Tooby);
(2) Resolving the debate on innate ideas (with Tooby);
(3) In search of cues governing kin recognition and incest avoidance (with Lieberman & Tooby).

Imagination and the Adapted Mind: The Prehistory and Future of Poetry, Fiction, and Related Arts. UCSB, August 24-29, 1999. Paper presented: The evolution of decoupled cognition.

Human Behavior and Evolution Society, Salt Lake City, UT, June 2-6, 1999. Papers presented:
(1) Character counts: Cheater detection is relaxed for honest individuals (with Tooby, Montaldi, & Thrall);
(2) Art, imagination, and the adapted mind: Toward a theory of aesthetics (with Tooby).

Working Group on Evolution and Rationality. Santa Barbara, CA, January 15-17, 1999 (Organizer: Stephen Stich). Ecological rationality and the multimodular mind (with Tooby).

Marriage, Morality and Emotions – Updating Edward Westermarck, Helsinki, Finland, November 19-22, 1998. A closer look at the Westermarck hypothesis: An evolutionary analysis of the mechanisms of incest avoidance. (with Lieberman and Tooby; delivered by Lieberman)

MacArthur Workshop on Evolution and Economics: Strong Reciprocity. Amherst, MA, October 16-18, 1998. (Organizers: Herb Gintis & Sam Bowles, Dept. of Economics, University of Massachusetts, Amherst.) Deep engagement, individuality, and the banker's paradox (with Tooby).

McDonnell-Pew Summer Institute for Cognitive Neuroscience, Squaw Creek, CA, July 1998. Paper presented: The cognitive neuroscience of social reasoning.

Human Behavior and Evolution Society, Davis, CA, July, 1998. Papers presented:
(1) The evolution of cognitive adaptations for metarepresentation, Part I (with Tooby);
(2) The evolution of cognitive adaptations for metarepresentation, Part II (with Tooby).

Institute for Theoretical Physics. University of California, Santa Barbara, May 20, 1998. Has natural selection shaped how humans reason? (with Tooby).

Human Behavior and Evolution Society, Tucson, AZ, June, 1997. Papers presented:
(1) Beyond kin selection and reciprocation: Other selection pressures for adaptations for altruism (with Tooby);

- (2) A computational theory of communication (with Tooby);
- (3) Cooperation and punishment in groups: Economic trade-offs (with Rutherford, Kurzban, & Tooby).

Cognitive Science Society, San Francisco, CA, July 1997. Stone, V. E., Baron-Cohen, S., Cosmides, L., Tooby, J. & Knight, R. T. (1997). Selective impairment of social inference abilities following orbitofrontal cortex damage. *Proceedings of the Nineteenth Annual Conference of the Cognitive Science Society*, M. G. Shafto & P. Langley (Eds.), London: Lawrence Erlbaum, p. 1062.

British Psychological Society. Edinburgh, Scotland, April, 1997. Paper presented (with Tooby): The logic of threat.

Tenth Annual Vancouver Cognitive Science Conference, Simon Fraser University, Vancouver, Canada, February, 1997. Topic: *Metarepresentations*. Paper presented (with Tooby): Consider the source: the evolution of cognitive adaptations for metarepresentation.

Ciba Foundation, London, England, October, 1996. Symposium #208: *Characterizing human psychological adaptations*. Papers presented (with Tooby):

- (1) Dissecting the computational architecture of social inference mechanisms.
- (2) Groups in mind: The evolution of cognitive adaptations for coalitions and status.

Cambridge University, Zangwill Club Lecture, Department of Experimental Psychology, Cambridge, England, October 1996. Cognitive adaptations for social exchange.

XXVI International Congress of Psychology, Montreal, Canada. Symposium: *Reasoning and Rationality* (Gigerenzer). Paper presented (with Tooby): Ecological rationality in a multimodular mind.

Cognitive Science Society, San Diego, CA, July, 1996. Paper presented (with Tooby): Ecological rationality: a new approach to human reasoning.

Human Behavior and Evolution Society, Evanston, IL, June, 1996. Papers presented:

- (1) Selective impairment of cheater detection: Neurological evidence for adaptive specialization (with Stone and Tooby);
- (2) Adaptive sex differences in reasoning about self defense (with Rutherford and Tooby);
- (3) Retrieval cues in social categorization: Content and context effects (with Kurzban and Tooby);
- (4) By accident, or by design (with Fiddick and Tooby).

Workshop on Applied Economics Series, University of Arizona, December 11, 1995. Paper presented (with Tooby): Evolutionary psychology: Making economics an natural science.

Human Behavior and Evolution Society, Santa Barbara, CA, June, 1995. Papers Presented:

- (1) The Evolution of Memory, Modularity, and Information Integrity (with Tooby);
- (2) Episodic Memory, Theory of Mind, and their Breakdown (with Tooby);

- (3) Are There Really Separate Reasoning Mechanisms for Social Contracts and Precautions? (with Fiddick and Tooby);
- (4) Testing for Universality: Reasoning Adaptations among the Shiwiar of Amazonia (with Sugiyama and Tooby);
- (5) Detecting Coalitions: Evolutionary Psychology and Social Categorization (with Kurzban and Tooby).

Royal Society/British Academy Discussion Meeting, *Evolution of Social Behaviour Patterns in Primates and Man*, London, April 1995. Paper presented (with Tooby): Evolutionary psychology, reasoning instincts, and culture.

Evolution, Memory, and Consciousness, Center for Neuroscience, UC Davis, March 1995. Paper presented (with Tooby): Mind, memory, and adaptive function.

Political Economy Lecture Series, Department of Economics, Harvard University, February 1995. Paper presented (with Tooby): Evolutionary psychology: Making economics a natural science.

Institutional Analysis Workshop, Department of Economics, UC Berkeley, October 1994. Paper presented (with Tooby): Are humans good intuitive statisticians after all?

Second International Conference on Sociobiology and Primatology. Harvard University, Cambridge, MA, October 1994. Paper presented: The evolution of reasoning instincts.

Max Planck Society, Presidential Committee Colloquium on Ethology/Anthropology, Heidelberg, Germany, August, 1994. Paper presented: The emergence of evolutionary psychology.

McDonnell-Pew Summer Institute for Cognitive Neuroscience, Davis, CA, July 1994. Paper presented: The evolution of reasoning instincts.

Human Behavior and Evolution Society, Ann Arbor, MI, June, 1994. Papers Presented:

- (1) Universal Darwinism and the perennially elusive cancer cure (with Tooby);
- (2) Prime time for Darwin: Converging lines of evidence for domain-specific reasoning modules (with Fiddick and Tooby)

American Economic Association. Boston, MA, January 1994. Symposium: Invisible Hand Theories. Paper Presented (with Tooby): Evolutionary psychology and the invisible hand.

Human Behavior and Evolution Society. Binghamton, NY, August, 1993. Papers presented:

- (1) What can you think about in a frequentist way? (with Brase & Tooby);
- (2) Psychological adaptations in women for assessing a man's willingness to invest in offspring (with La Cerra & Tooby).

Summer Institute for Cognitive Neuroscience. Olympic Valley, CA, July 1993. Paper presented: Evolution of domain-specific reasoning systems.

Darwinian Perspectives on Human Nature. Dept. of Zoology, Oxford University, England, June 1993. Paper presented (with Tooby): Pathogens and combinatorial explosion as selection pressures on human cognition.

New Approaches to Human Development: Diverse methods, populations, and settings. UCSB, June 1993. Paper presented (with Tooby and Sugiyama): Cognitive science in the rainforest: The search for universal human psychology.

Human Behavior and Evolution Society. Albuquerque, NM, July 1992. Papers presented:
(1) Statistical reasoning in a multimodular mind. Part 1: An evolutionary approach to the study of judgment under uncertainty (with Tooby);
(2) Statistical reasoning in a multimodular mind. Part 2: Experiments.

Annual Meeting of the Cognitive Neuroscience Institute. Rutherford, CA, May 1992. Paper presented: Cognitive adaptations: Social exchange and intuitive statistics.

Society for Philosophy and Psychology. San Francisco, CA, June 1991. Symposium: *The roots of social cognition* (Jackendoff). Paper presented: The logic of social exchange versus the logic of logic.

American Association for the Advancement of Science. Washington, D.C., February 1991. Symposium (Pontius): *Evolution of cognitive functions in ecological-cultural context*. Paper presented: Evolutionary psychology of social exchange.

Biological foundations of culture. Zentrum fur interdisziplinare Forschung, Universitat Bielefeld, West Germany, November 1990. Paper presented (with Tooby): Normative logics versus adaptive logics.

Cultural knowledge and domain specificity. Ann Arbor, MI, October 1990. Paper presented (with Tooby): Origins of domain specificity: The evolution of functional organization.

Animal Behavior Society. Binghamton, NY, June 1990. Symposium: *Theoretical and empirical studies of cooperative behavior* (D.S. Wilson). Paper presented: Evolved cognitive specializations in humans for reasoning about social exchange.

Human Behavior and Evolution Society. Los Angeles, CA, August 1990. Paper presented: Is the mind frequentist?

Society of Experimental Social Psychology. Santa Monica, CA, October 1989. Symposium: *Macro and Micro Studies of Deceit* (Ekman). Paper presented: Detecting cheaters in situations of social exchange.

American Psychological Association. New Orleans, LA, August 1989. Symposium: *Evolutionary Psychology: New Directions*. Paper presented: Evolutionary social cognition: Reasoning about reciprocation.

Human Behavior and Evolution Society. Evanston, IL, August 1989. Papers presented:
(1) The logic of threat (with Tooby);
(2) Are there different kinds of cooperation and separate Darwinian algorithms for each? (with Tooby).

Evolutionary Psychology and Psychiatry Conference. Ann Arbor, Michigan, October 1988. Co-chaired session on Cognitive Psychology and Artificial Intelligence. Papers presented:
(1) Domain specificity in human reasoning;
(2) From adaptation to mechanism: The role of computational theories (with Tooby).

XXIV International Congress of Psychology. Sydney, Australia, August, 1988. Symposium: *Has animal behavior got anything to do with human behavior?* (Staddon). Paper presented (with Tooby): Adaptation versus phylogeny: The role of animal psychology in the study of human behavior.

Eighteenth Annual Symposium of the Jean Piaget Society. Philadelphia, June 1988. Paper presented: Domain general or domain specific? An evolutionary approach to cognitive psychology (with Tooby).

Annual Evolution and Human Behavior Meetings. University of Michigan, April 1988.
(1) Paper presented: Evolution and Cognition: Has natural selection shaped how humans reason about social exchange? (with Tooby);
(2) Poster presented: The evolution of war and its cognitive foundations (with Tooby).

Evolved Constraints on Cultural Evolution. UCLA, May 1986. Paper presented: Evolutionary psychology and the generation of culture, Part II. Case study: A computational theory of social exchange.

First International Conference on Sociobiology and Primatology. Harvard University, November 1984. Paper presented: The cognitive basis of human reciprocity.

Invited talks at: Dartmouth (5/85), Stanford (11/85), Duke (2/86), UCLA (5/87), UC Santa Barbara (12/87), MIT (2/88), U. Chicago (3/88), Michigan (4/88), Stanford (1/89, 2/89), MIT (3/89), UC Irvine (5/89), U. New Mexico (9/89), CASBS (10/89), UCSD (2/90), U. Virginia (2/90), UC Berkeley (3/90; 10/94), Stanford Medical School (4/90), UCSB (5/90), U. Salzburg, Austria (11/90); Max Planck Institute, Munich, Germany (11/90); UCSB (1/91); MIT (2/91); U. Oregon (4/91); U.C. Santa Cruz (4/91); Zentrum fur interdisziplinare Forschung, Bielefeld, Germany (11/91) U. Arizona (9/92); UCSB (10/92); UC Davis (5/94); Harvard (2/95); London School of Economics (4/95); U. of Cambridge (10/96); UCSB Cognitive Science (4/97); UCSB Dept. of Biology (5/97); UCSB Institute for Theoretical Physics (5/98); UCLA Close Relationships Interest Group (3/99); USC Law School (4/99); Indiana University Psychology & Center for the Integrative Study of Animal Behavior (4/00); Max Planck Institute for Human Development, Berlin (6/01); Rice University Psychology Dept (2/17/03); UCLA Culture, Brain, & Development program (3/05); Harvard Anthropology Dept (4/17/05); UCSB Cognitive & Perceptual Sciences (4/06).

Consulting: MacArthur Foundation Project on Mental Illness and the Law, headed by John Monahan, Professor of Psychology and Law, School of Law, University of Virginia. Worked on tests to assess whether individuals with mental illness are capable of giving informed consent. (1990)

Reviewing

Journals: *Psychological Review, Cognition, Psychological Science, Behavioral and Brain Sciences, Journal of Personality and Social Psychology, Journal of Experimental Social Psychology, Current Directions in Psychological Science, JEP: General, Social Cognition, Psychological Bulletin, Journal of Cognitive Neuroscience, Child Development, Personality and Social Psychology Bulletin, Ethology and Sociobiology, Current Anthropology, and others.*
Grants: *National Science Foundation, National Sciences and Engineering Research Council of Canada, Ciba Foundation Symposia.*

Other research experience

National Institute of Mental Health (Poolesville, MD)

Laboratory of Brain Evolution & Behavior, NIH Animal Center, under supervision of P.D. MacLean. Conducted research to ascertain effects of chemically-induced decortication on behavior of infant rats. Summer 1977.

National Heart & Lung Institute (Bethesda, MD)

Laboratory of Chemical Pharmacology, NIH, under supervision of J.R. Mitchell. Conducted research to ascertain biochemical pathways whereby overdoses of two common analgesics, phenacetin & acetaminophen (Tylenol), cause liver & kidney necrosis. Summers 1975, 1974.

Roswell Park Memorial Institute (Buffalo, NY)

Research Participation Program in Science, under supervision of C. Dave. Conducted research investigating role of polyamine spermidine in cancerous cell growth. Summer 1973.

Teaching Experience

UCSB: *Psychology 1; Evolution and Cognition; Introduction to Cognitive Development; Cognitive Development* (Graduate seminar); *Advanced Topics in Evolutionary Psychology* (Graduate seminar, held weekly fall, winter & spring quarters every year); graduate seminars on various topics (e.g., reasoning & rationality; consciousness and computation; cognitive science and religious ideas). **Stanford:** *Evolutionary Psychology Seminar.*